

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093020\
 Data File : VV018569.D
 Acq On : 30 Sep 2020 15:05
 Operator : SY/MD
 Sample : L4109-18DL 10X
 Misc : 5.92g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y9DL

Quant Time: Oct 01 08:39:09 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	334246	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	334450	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	184978	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69774	35.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.18%
7) Chloroethane-d5	1.58	69	71311	44.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.12	63	125487	31.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.84%
21) 2-Butanone-d5	3.92	46	131829	90.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.16%
24) Chloroform-d	4.37	84	173003	40.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.62%
26) 1,2-Dichloroethane-d4	5.05	65	121739	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.48%
32) Benzene-d6	5.07	84	341428	40.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.60%
36) 1,2-Dichloropropane-d6	6.09	67	106481	41.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.20%
41) Toluene-d8	7.34	98	315737	39.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.24%#
43) trans-1,3-Dichloropropene-	7.64	79	54425	39.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.72%
47) 2-Hexanone-d5	8.11	63	83305	85.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.68%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	146287	43.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.22%
64) 1,2-Dichlorobenzene-d4	11.65	152	154085	43.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.62%

Target Compounds

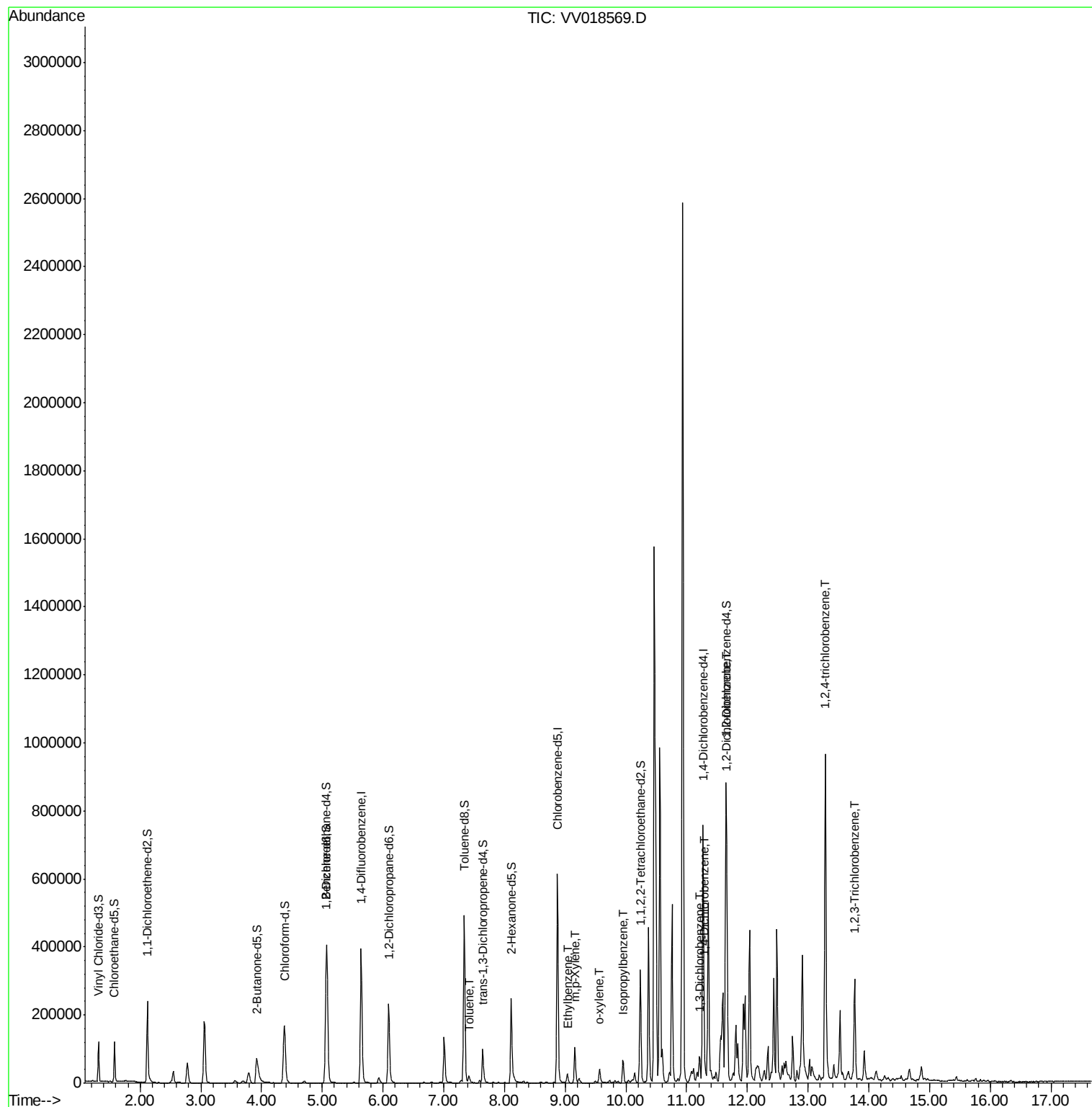
					Ovalue
42) Toluene	7.41	91	15145	1.425 ug/L	98
52) Ethylbenzene	9.04	91	18373	1.548 ug/L	99
53) m,p-Xylene	9.16	106	29661	6.466 ug/L	97
54) o-xylene	9.57	106	10632	2.448 ug/L	94
56) Isopropylbenzene	9.95	105	42398	3.640 ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	5818	0.972 ug/L #	88
63) 1,4-Dichlorobenzene	11.30	146	15406	2.499 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	10836	1.830 ug/L #	87
68) 1,2,4-trichlorobenzene	13.28	180	271055	70.245 ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	89206	23.029 ug/L	98

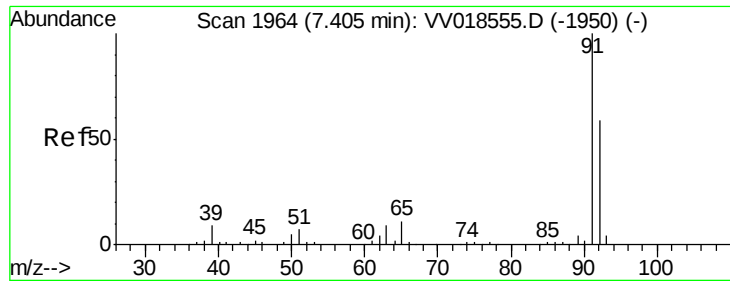
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 01 07:39:17 2020
Response via : Initial Calibration





#42

Toluene

Concen: 1.425 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018569.D

Acq: 30 Sep 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

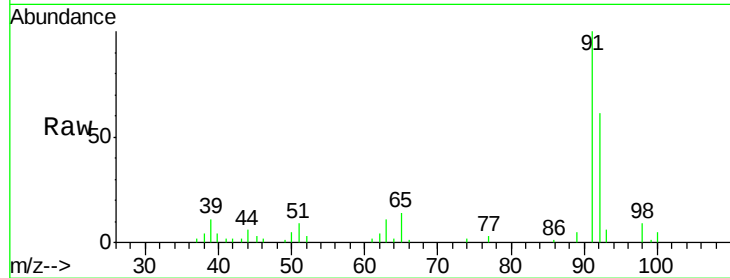
BG3Y9DL

Tot Ion: 91 Resp: 15145

Ion Ratio Lower Upper

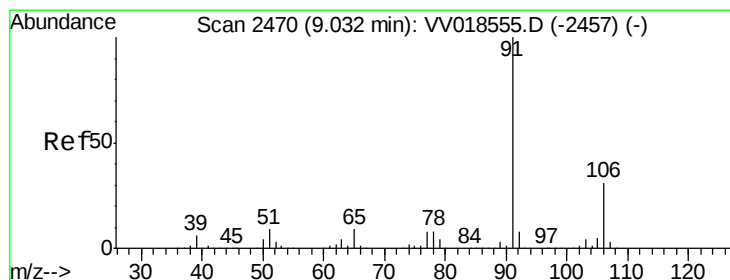
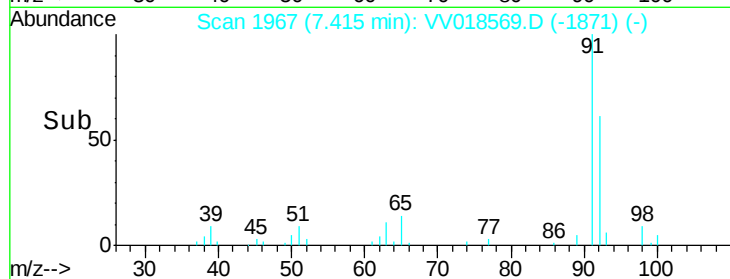
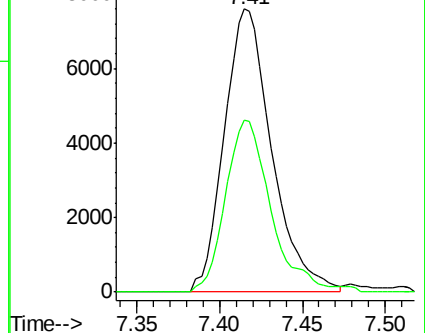
91 100

92 60.9 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: 1.548 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018569.D

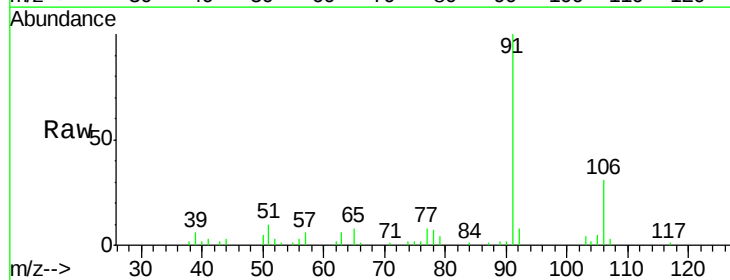
Acq: 30 Sep 2020 15:05

Tgt Ion: 91 Resp: 18373

Ion Ratio Lower Upper

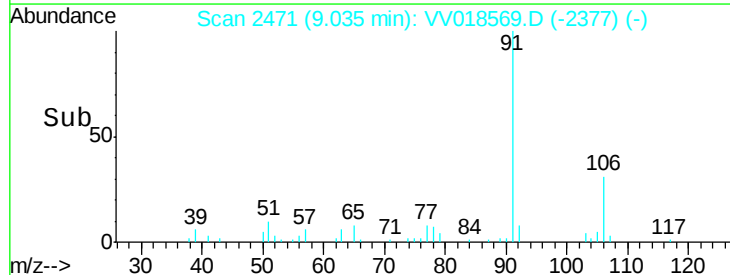
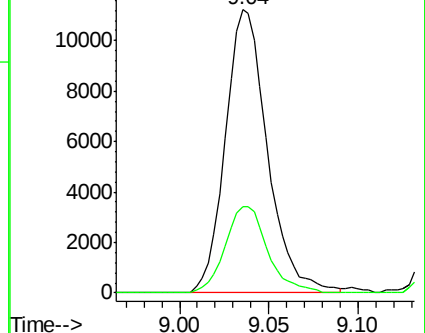
91 100

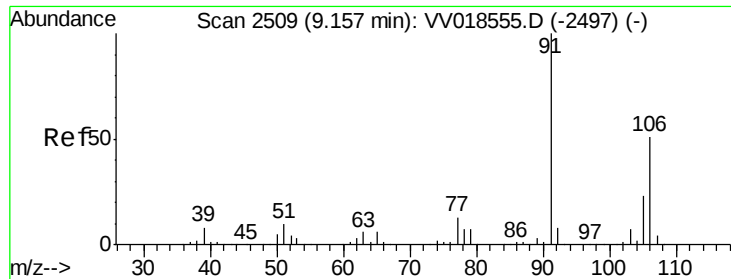
106 30.6 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 6.466 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018569.D

Acq: 30 Sep 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

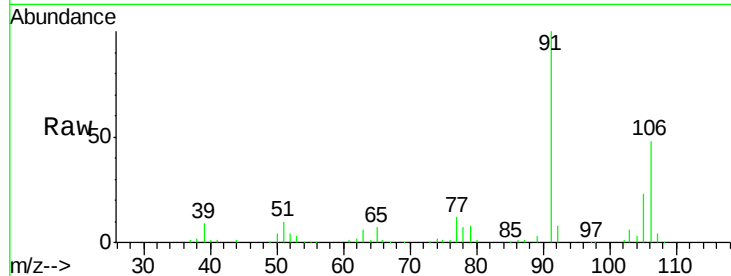
BG3Y9DL

Tot Ion:106 Resp: 29661

Ion Ratio Lower Upper

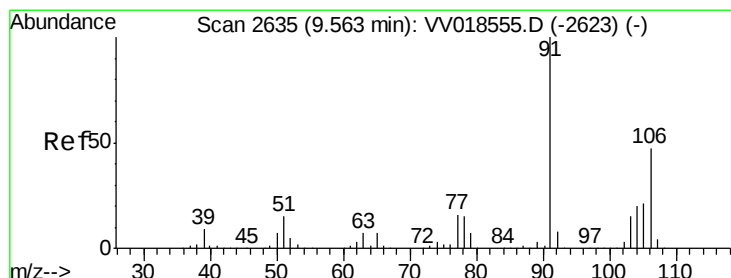
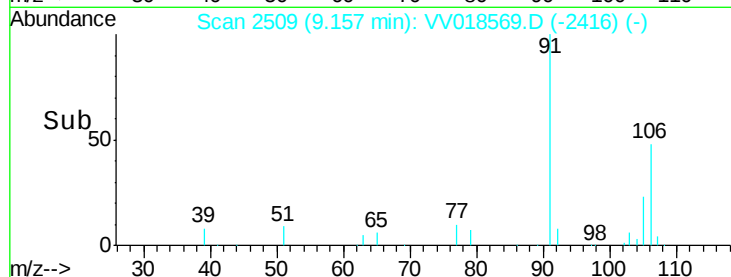
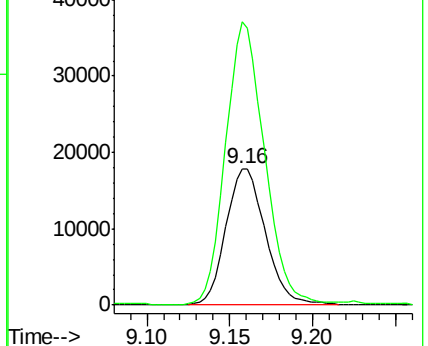
106 100

91 207.6 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 2.448 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018569.D

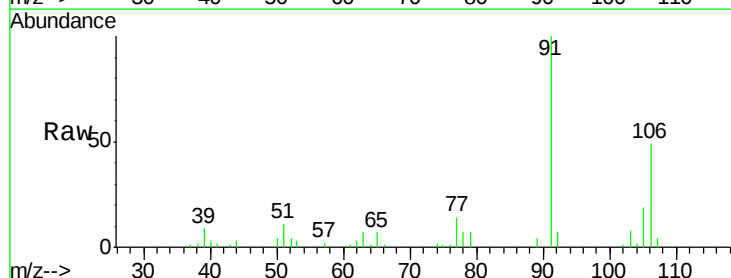
Acq: 30 Sep 2020 15:05

Tgt Ion:106 Resp: 10632

Ion Ratio Lower Upper

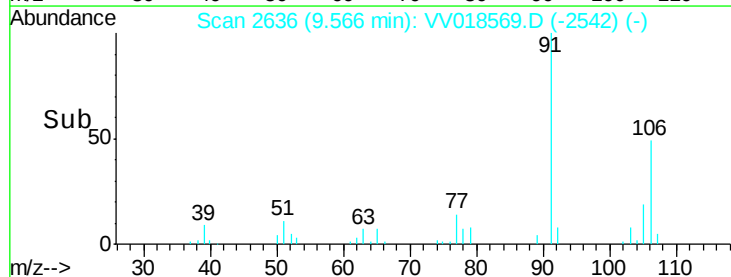
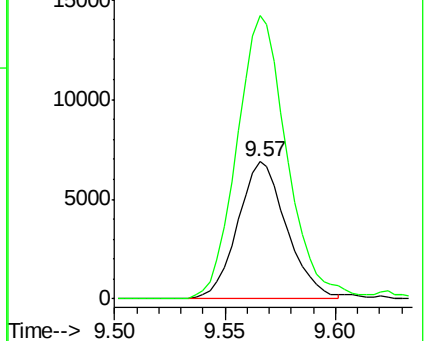
106 100

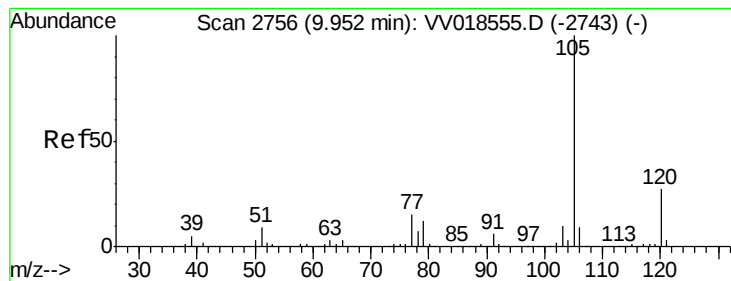
91 206.2 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 3.640 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018569.D

Acq: 30 Sep 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

BG3Y9DL

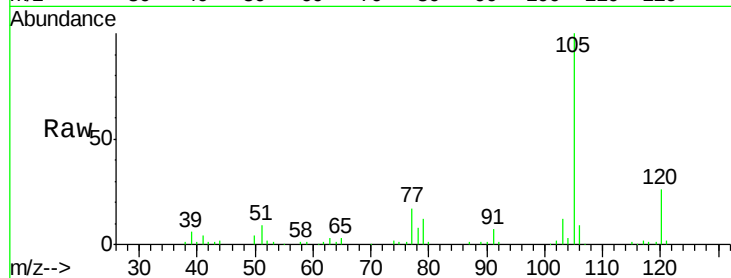
Tot Ion:105 Resp: 42398

Ion Ratio Lower Upper

105 100

120 25.7 21.5 32.3

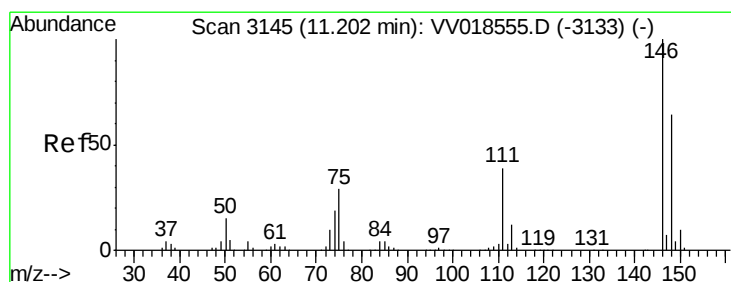
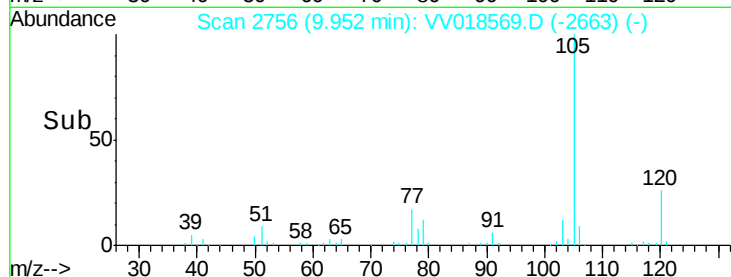
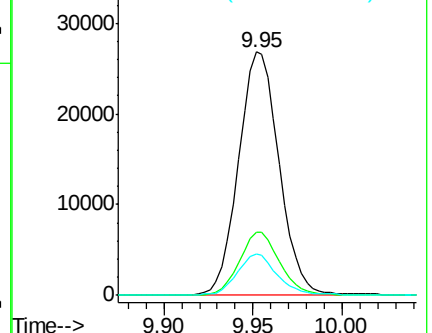
77 16.7 12.2 18.2



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



#62

1,3-Dichlorobenzene

Concen: 0.972 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV018569.D

Acq: 30 Sep 2020 15:05

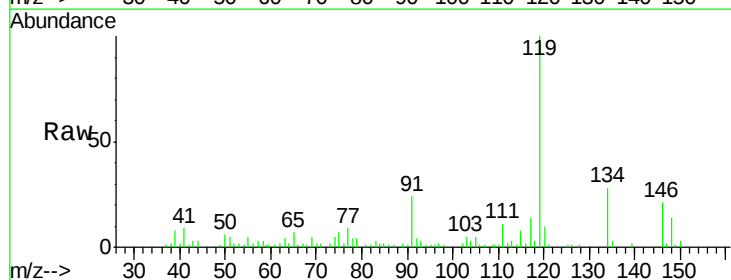
Tgt Ion:146 Resp: 5818

Ion Ratio Lower Upper

146 100

111 52.1 26.8 49.8#

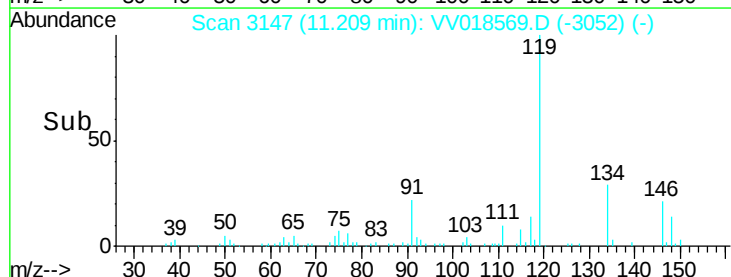
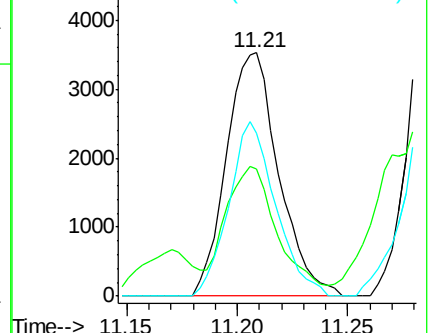
148 66.9 44.0 81.8

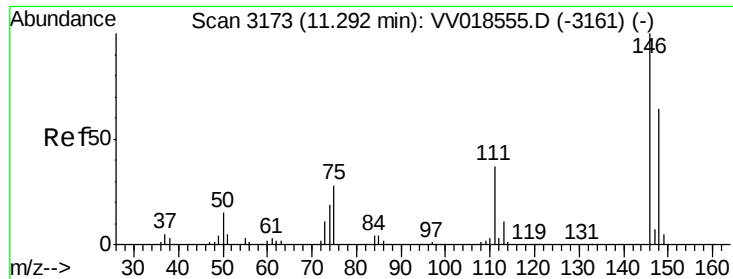


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 2.499 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018569.D

Acq: 30 Sep 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

BG3Y9DL

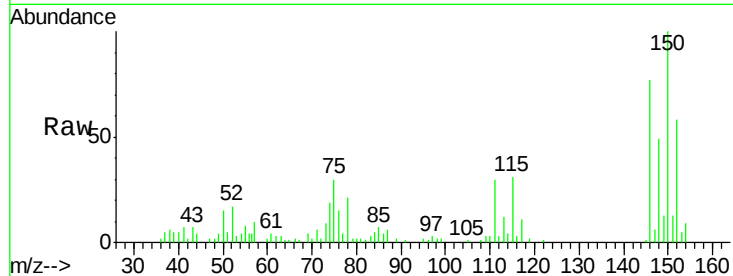
Tot Ion:146 Resp: 15406

Ion Ratio Lower Upper

146 100

111 38.8 26.2 48.6

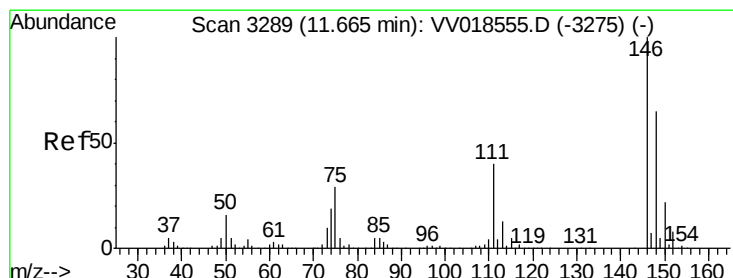
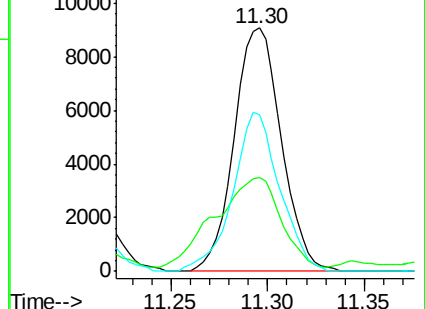
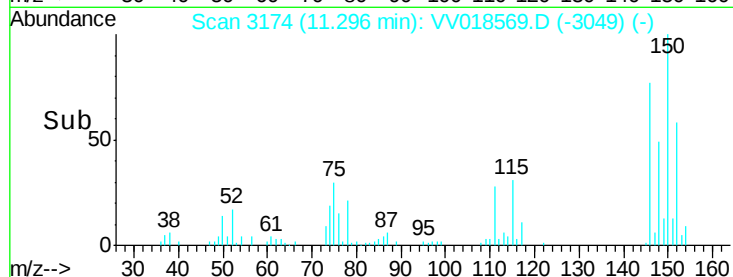
148 64.2 44.4 82.5



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: 1.830 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018569.D

Acq: 30 Sep 2020 15:05

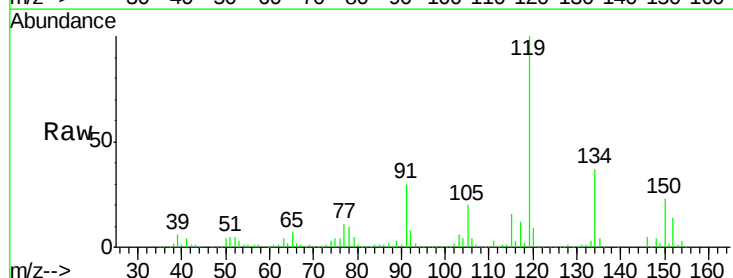
Tgt Ion:146 Resp: 10836

Ion Ratio Lower Upper

146 100

111 52.0 32.8 49.2#

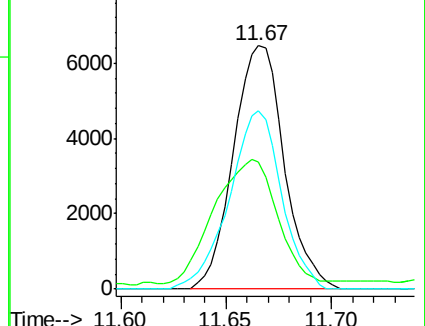
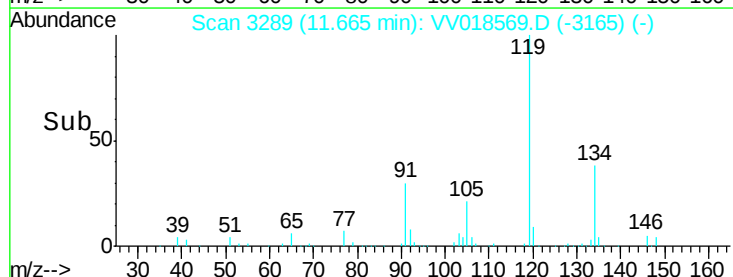
148 73.4 51.9 77.9

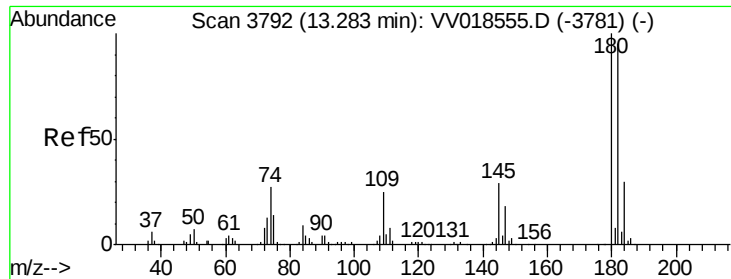


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

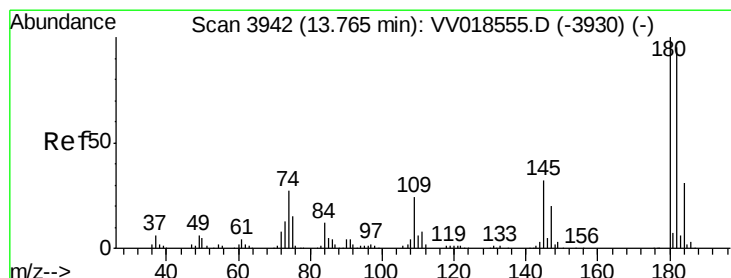
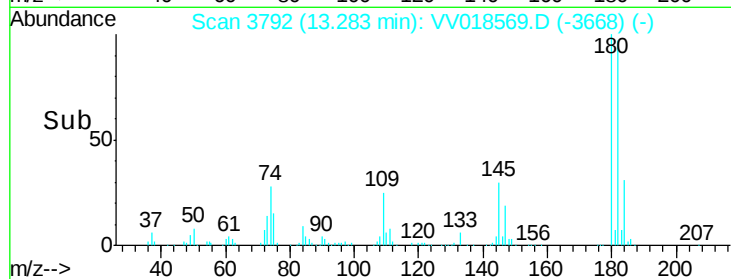
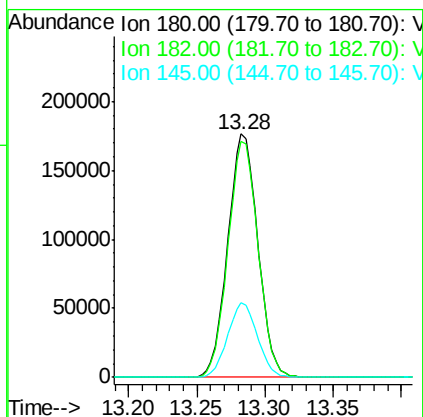
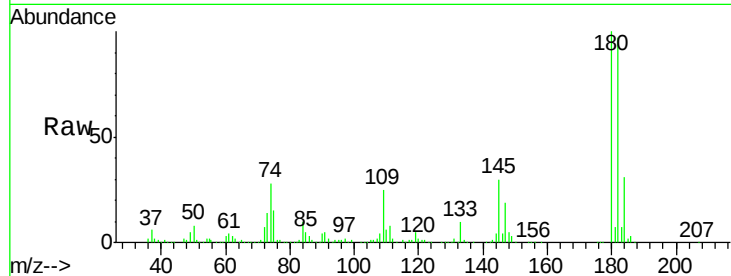




#68
 1,2,4-trichlorobenzene
 Concen: 70.245 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018569.D
 Acq: 30 Sep 2020 15:05

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y9DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.3	114.5
145	30.1	23.6	35.4



#70
 1,2,3-Trichlorobenzene
 Concen: 23.029 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018569.D
 Acq: 30 Sep 2020 15:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.1	115.7
145	33.5	25.1	37.7

