

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100220\
 Data File : VV018624.D
 Acq On : 02 Oct 2020 14:37
 Operator : SY/MD
 Sample : L4171-05ME
 Misc : 6.12g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y7ME

Quant Time: Oct 03 01:33:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 03 00:50:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	314707	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	309787	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168215	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	83491	45.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.48%
7) Chloroethane-d5	1.58	69	76023	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.64%
11) 1,1-Dichloroethene-d2	2.10	63	141120	37.53	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.06%
21) 2-Butanone-d5	3.93	46	84894	61.66	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	61.66%
24) Chloroform-d	4.37	84	168367	42.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.38%
26) 1,2-Dichloroethane-d4	5.05	65	119694	47.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.48%
32) Benzene-d6	5.07	84	341302	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.09	67	106615	44.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.94%
41) Toluene-d8	7.34	98	321682	43.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.16%
43) trans-1,3-Dichloropropene-	7.65	79	54247	42.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.70%
47) 2-Hexanone-d5	8.14	63	73933	82.10	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.10%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	130209	41.42	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	144747	44.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.48%

Target Compounds

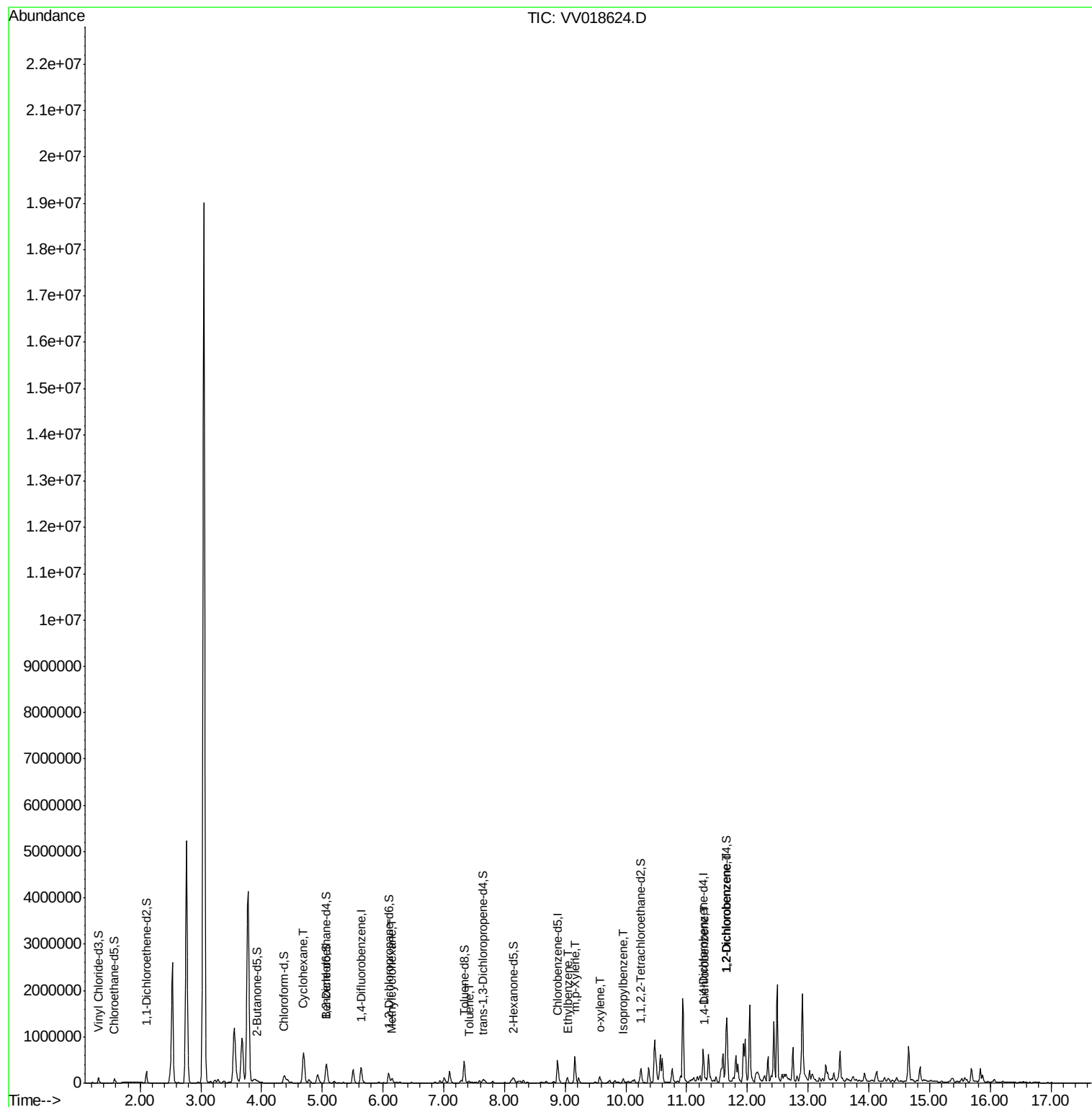
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.69	56	310707	87.939	ug/L	94
35) Methylcyclohexane	6.15	83	41287	11.583	ug/L	94
42) Toluene	7.41	91	36664	3.724	ug/L	99
52) Ethylbenzene	9.04	91	86237	7.843	ug/L	96
53) m,p-Xylene	9.16	106	165317	38.905	ug/L	99
54) o-xylene	9.57	106	37456	9.310	ug/L	99
56) Isopropylbenzene	9.95	105	60707	5.627	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	6887	1.229	ug/L #	73
65) 1,2-Dichlorobenzene	11.67	146	8543	1.586	ug/L #	85

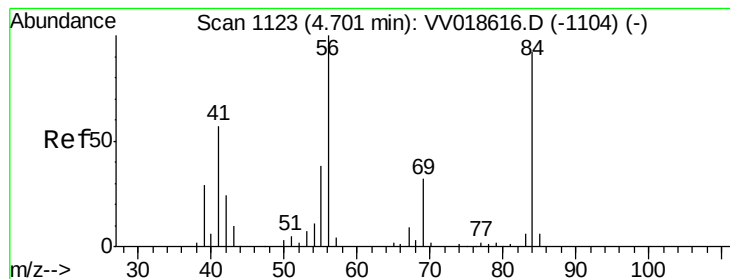
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Oct 03 00:50:30 2020
Response via : Initial Calibration





#29

Cyclohexane

Concen: 87.939 ug/L

RT: 4.69 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VV018624.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_V

ClientSampleId :

BG3Y7ME

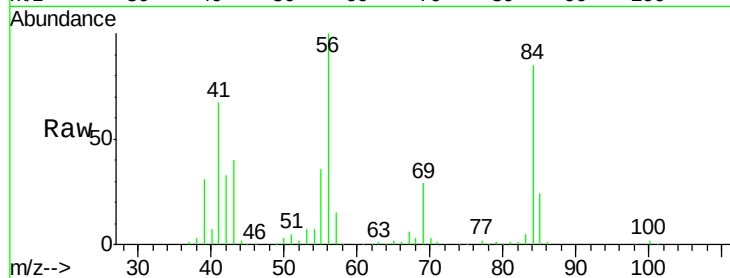
Tot Ion: 56 Resp: 310707

Ion Ratio Lower Upper

56 100

69 28.7 24.8 37.2

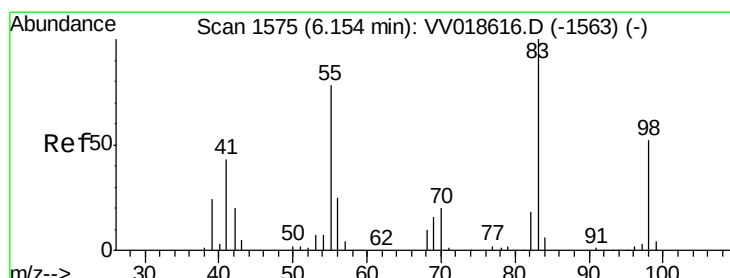
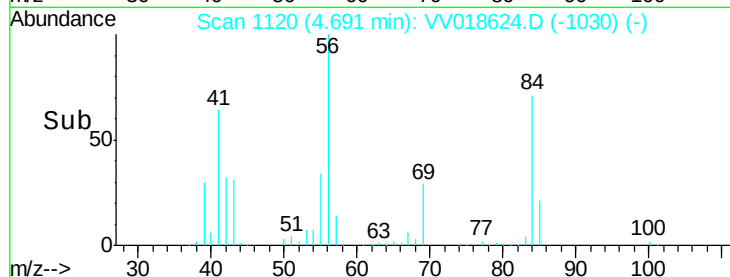
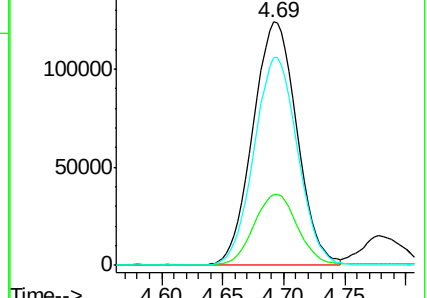
84 84.5 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VV018616.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018616.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018616.D (-1104) (-)



#35

Methylcyclohexane

Concen: 11.583 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018624.D

Acq: 02 Oct 2020 14:37

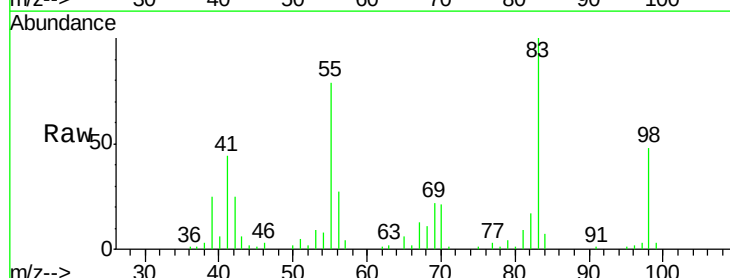
Tgt Ion: 83 Resp: 41287

Ion Ratio Lower Upper

83 100

55 81.7 60.1 90.1

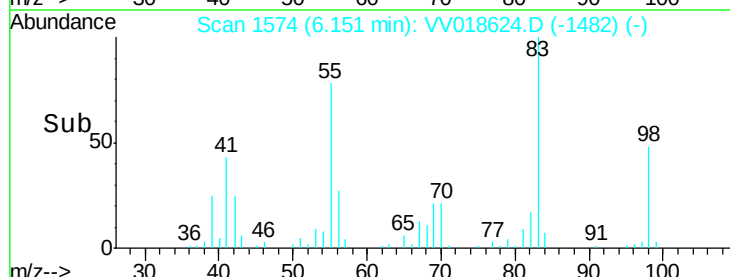
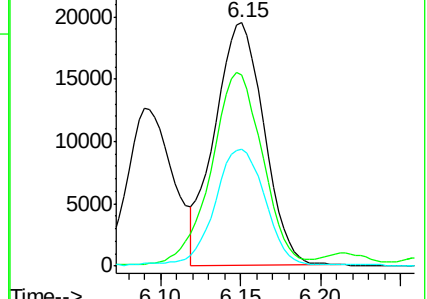
98 48.1 40.2 60.4

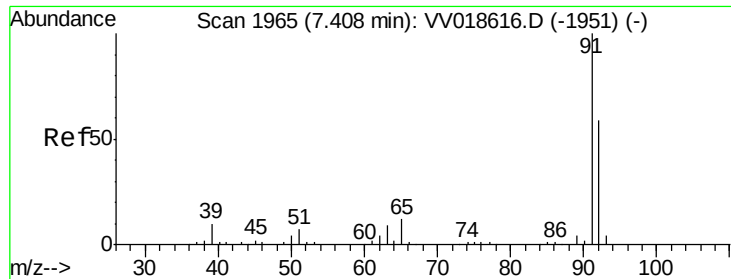


Abundance Ion 83.00 (82.70 to 83.70): VV018616.D (-1563) (-)

Ion 55.00 (54.70 to 55.70): VV018616.D (-1563) (-)

Ion 98.00 (97.70 to 98.70): VV018616.D (-1563) (-)





#42

Toluene

Concen: 3.724 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV018624.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_V

ClientSampleId :

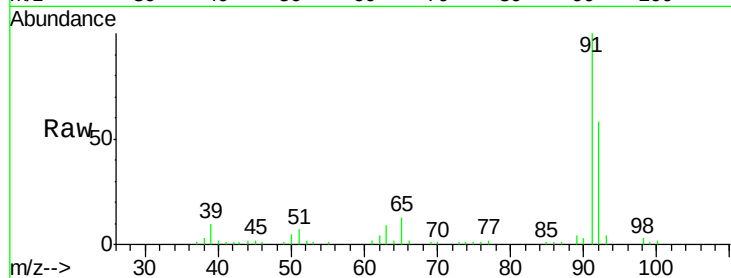
BG3Y7ME

Tot Ion: 91 Resp: 36664

Ion Ratio Lower Upper

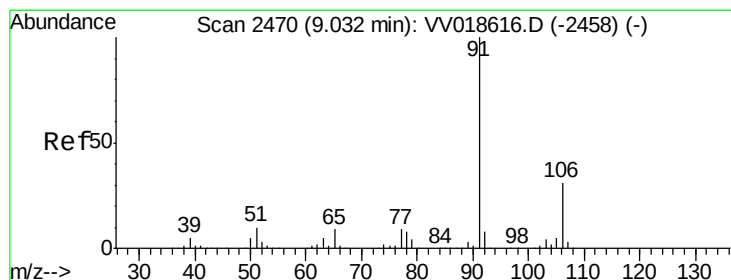
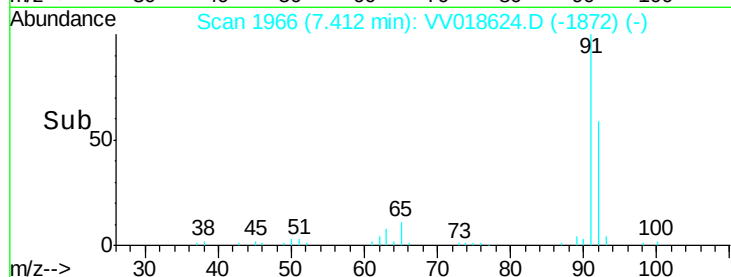
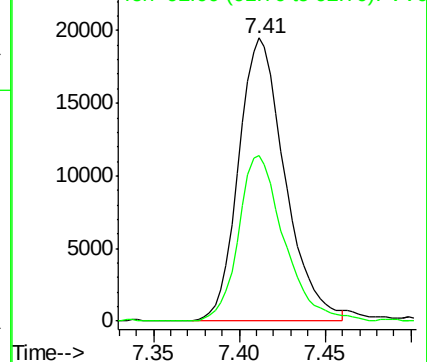
91 100

92 58.5 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: 7.843 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018624.D

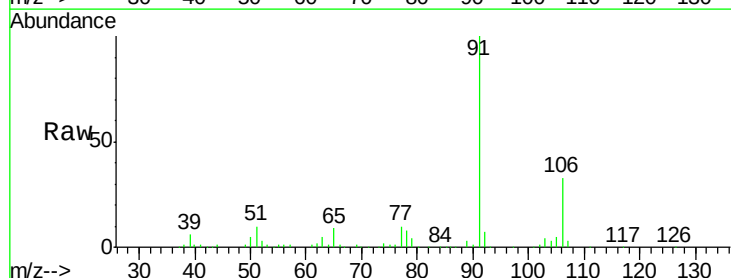
Acq: 02 Oct 2020 14:37

Tgt Ion: 91 Resp: 86237

Ion Ratio Lower Upper

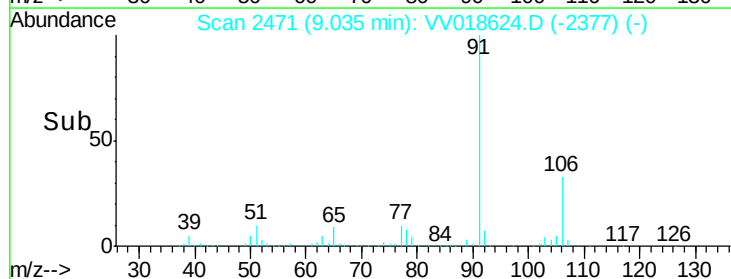
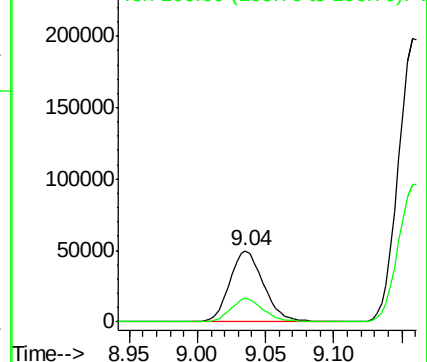
91 100

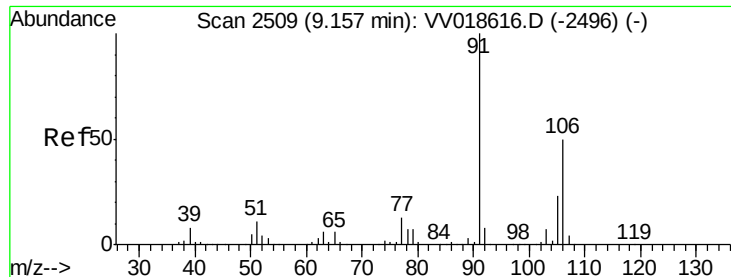
106 33.4 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 38.905 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018624.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_V

ClientSampleId :

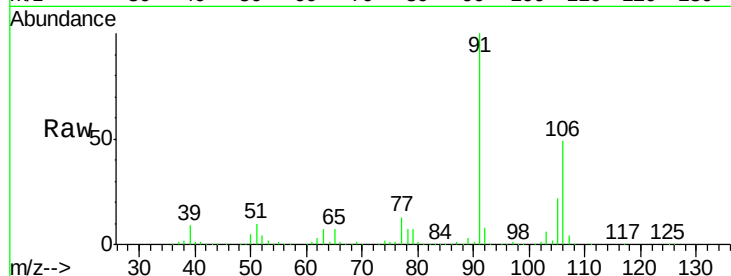
BG3Y7ME

Tot Ion:106 Resp: 165317

Ion Ratio Lower Upper

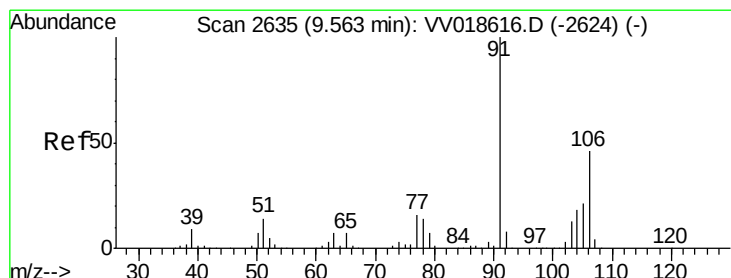
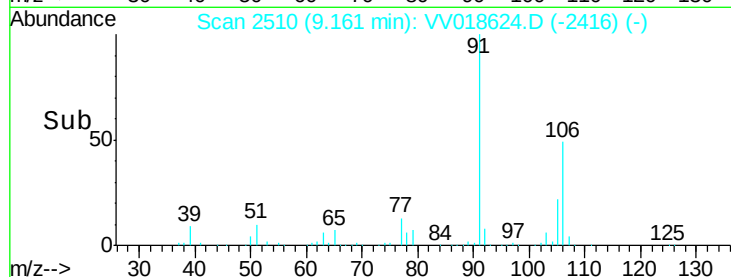
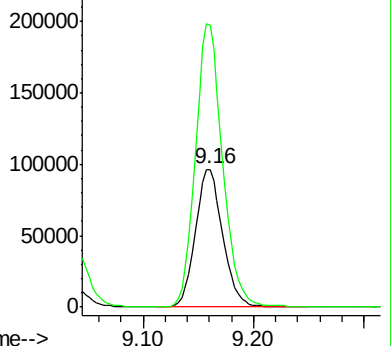
106 100

91 204.7 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 9.310 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.01 min

Lab File: VV018624.D

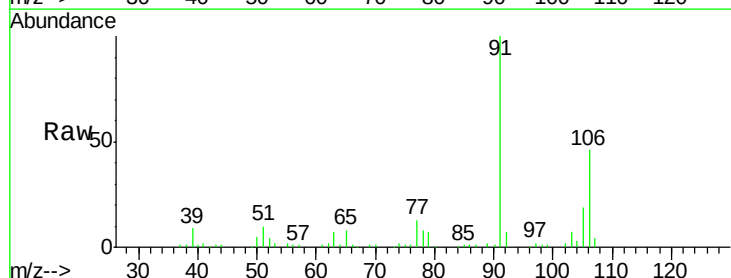
Acq: 02 Oct 2020 14:37

Tgt Ion:106 Resp: 37456

Ion Ratio Lower Upper

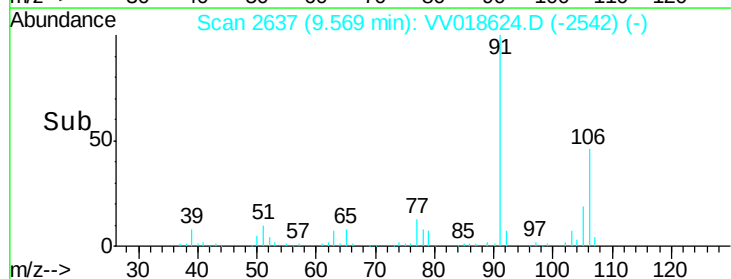
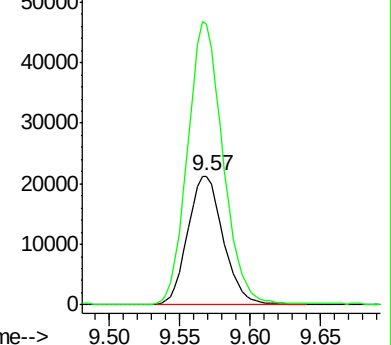
106 100

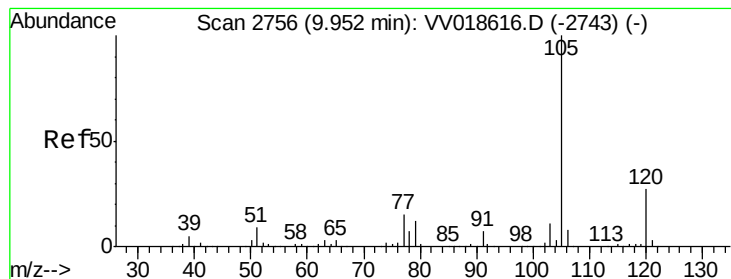
91 217.8 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 5.627 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018624.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_V

ClientSampleId :

BG3Y7ME

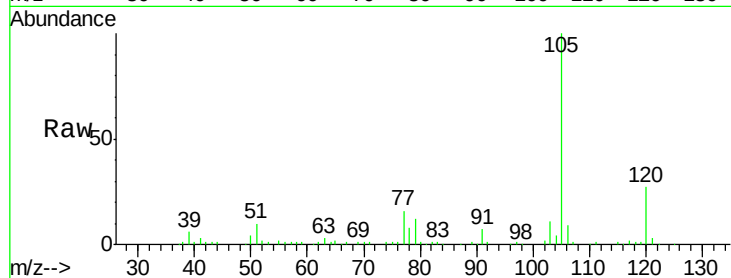
Tot Ion:105 Resp: 60707

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

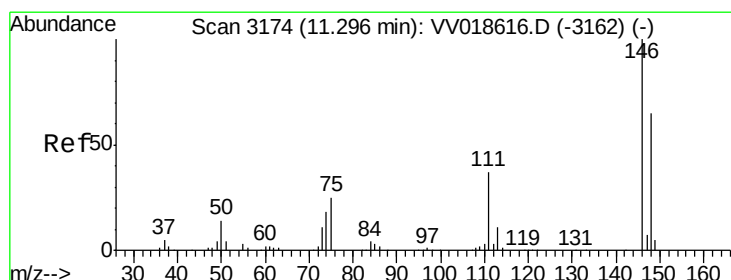
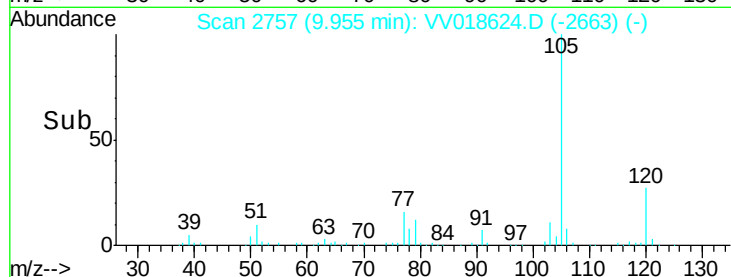
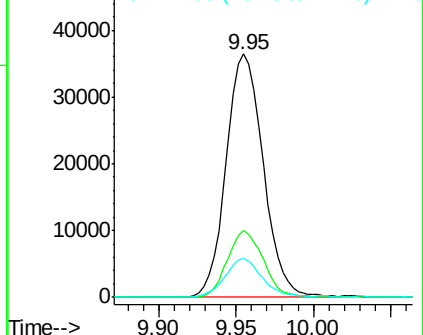
77 16.1 12.2 18.2



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: 1.229 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.00 min

Lab File: VV018624.D

Acq: 02 Oct 2020 14:37

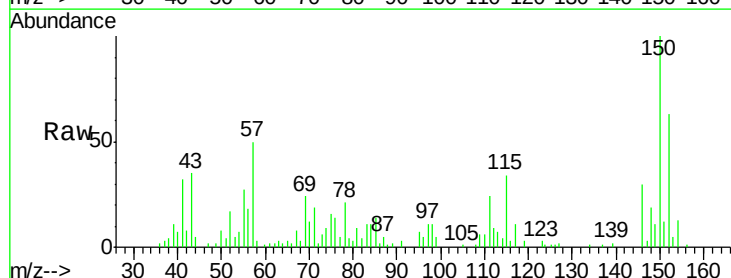
Tgt Ion:146 Resp: 6887

Ion Ratio Lower Upper

146 100

111 81.3 26.2 48.6#

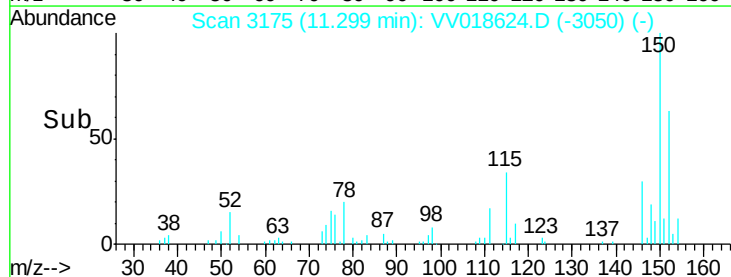
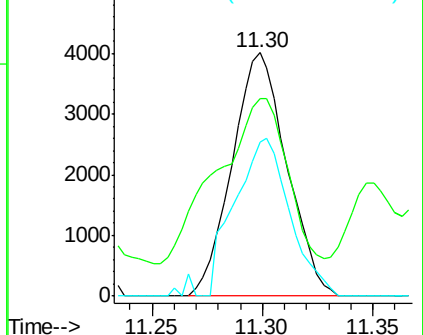
148 63.1 44.4 82.5

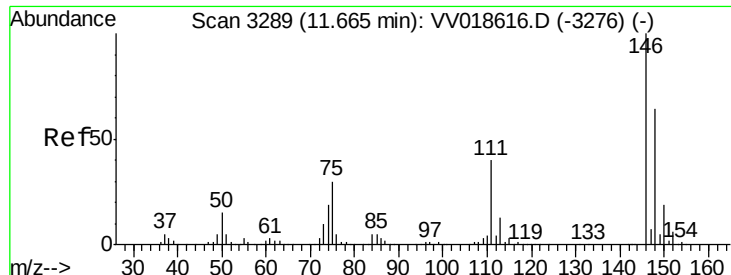


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

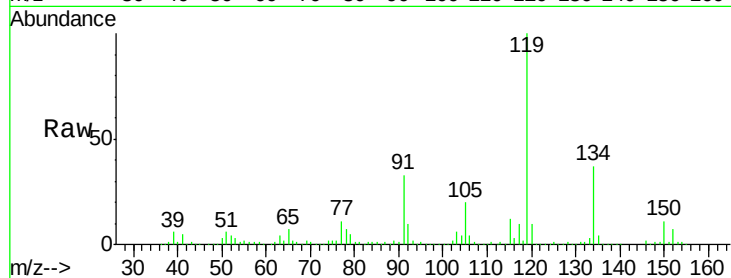




#65
 1,2-Dichlorobenzene
 Concen: 1.586 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV018624.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Y7ME

Tot Ion	Ratio	Lower	Upper
146	100		
111	62.9	32.8	49.2#
148	66.9	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

