

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
 Data File : VV013404.D
 Acq On : 29 Oct 2019 19:29
 Operator : SY/MD
 Sample : K5597-01
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD2

Quant Time: Oct 30 03:00:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 30 02:50:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	344861	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	368734	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	187391	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	167638	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.58	69	134757	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.13	63	206556	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	3.92	46	398753	53.44	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.88%
24) Chloroform-d	4.40	84	309684	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.08	65	166348	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.10	84	652775	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.12	67	205449	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.36	98	548896	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.66	79	66715	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.13	63	234750	49.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	124985	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	199979	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

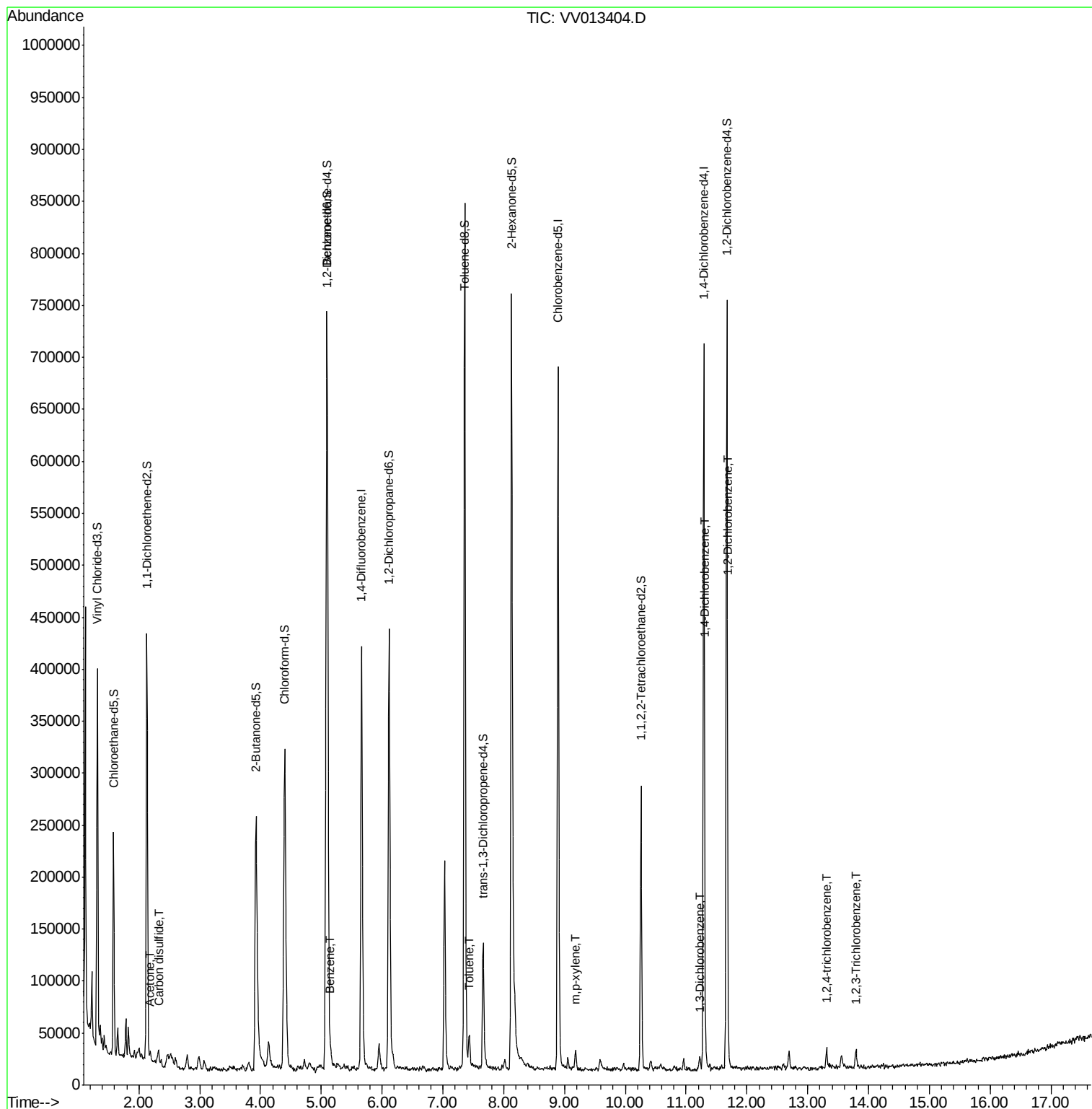
					Ovalue
13) Acetone	2.19	43	9438	2.589 ug/L	97
14) Carbon disulfide	2.32	76	14465	0.181 ug/L #	91
33) Benzene	5.15	78	13285	0.096 ug/L	100
42) Toluene	7.43	91	23269	0.162 ug/L	98
53) m,p-xylene	9.18	106	5526	0.098 ug/L	95
62) 1,3-Dichlorobenzene	11.23	146	5152	0.082 ug/L	94
63) 1,4-Dichlorobenzene	11.31	146	5800	0.092 ug/L	85
65) 1,2-Dichlorobenzene	11.69	146	4406	0.075 ug/L #	65
68) 1,2,4-trichlorobenzene	13.31	180	6321	0.161 ug/L	93
70) 1,2,3-Trichlorobenzene	13.79	180	5139	0.144 ug/L	91

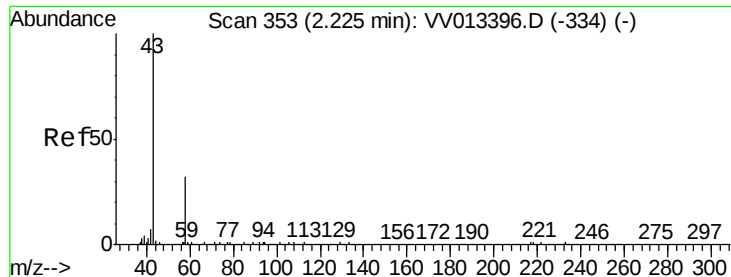
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.589 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV013404.D

Acq: 29 Oct 2019 19:29

Instrument :

MSVOA_V

ClientSampleId :

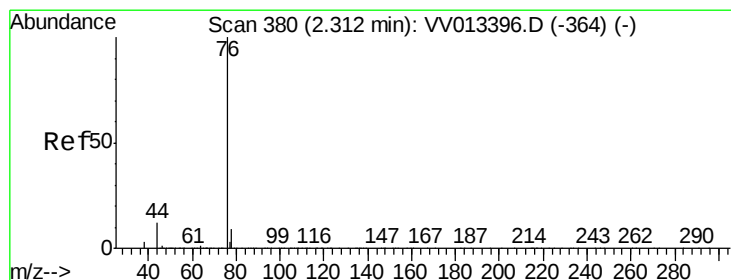
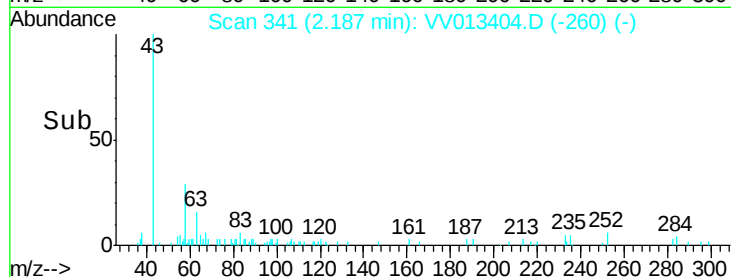
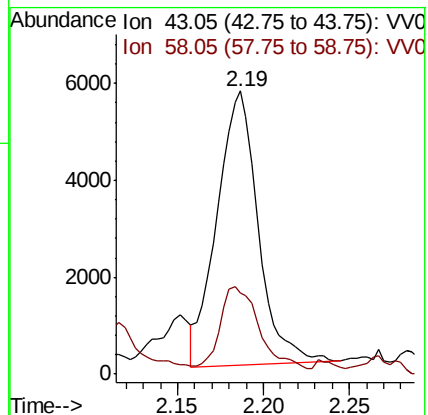
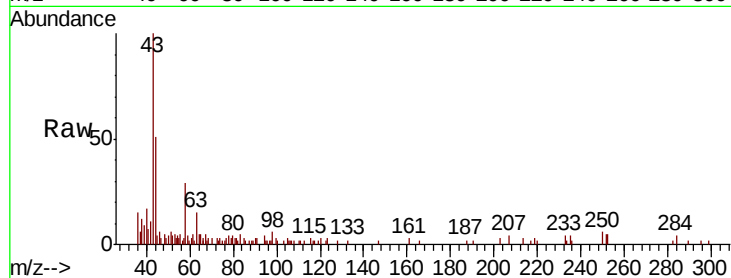
GAQD2

Tot Ion: 43 Resp: 9438

Ion Ratio Lower Upper

43 100

58 27.8 0.0 59.0



#14

Carbon disulfide

Concen: 0.181 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV013404.D

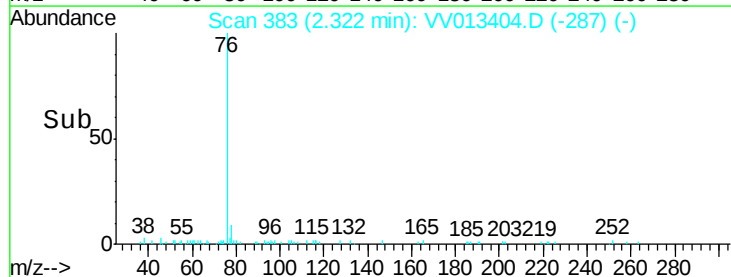
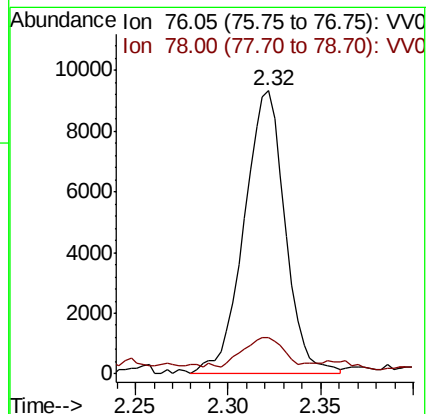
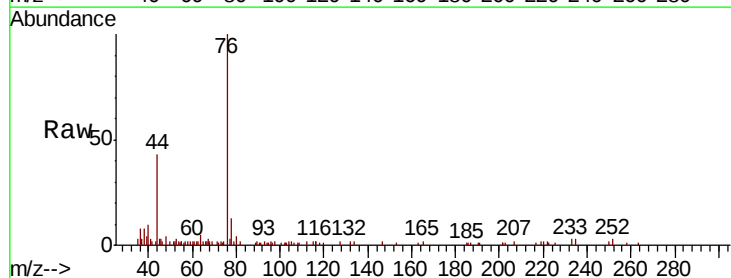
Acq: 29 Oct 2019 19:29

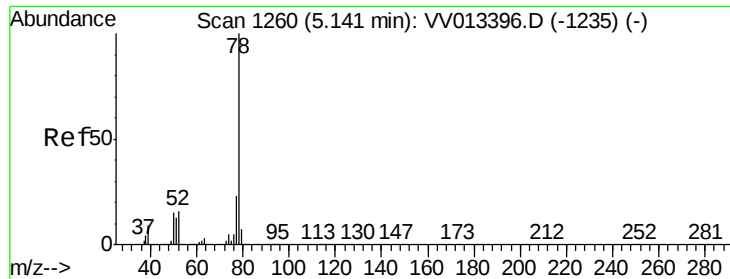
Tgt Ion: 76 Resp: 14465

Ion Ratio Lower Upper

76 100

78 12.7 7.5 11.3#





#33

Benzene

Concen: 0.096 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV013404.D

Acq: 29 Oct 2019 19:29

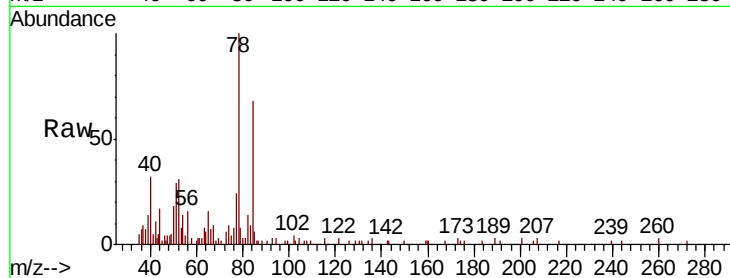
Instrument :

MSVOA_V

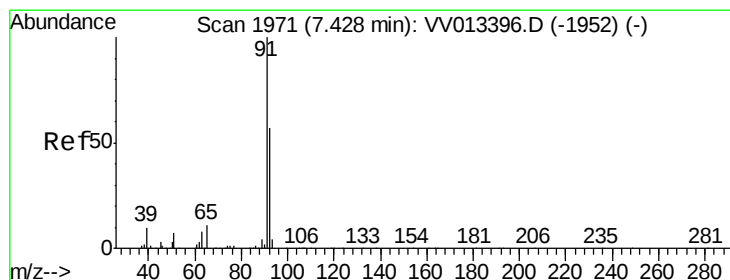
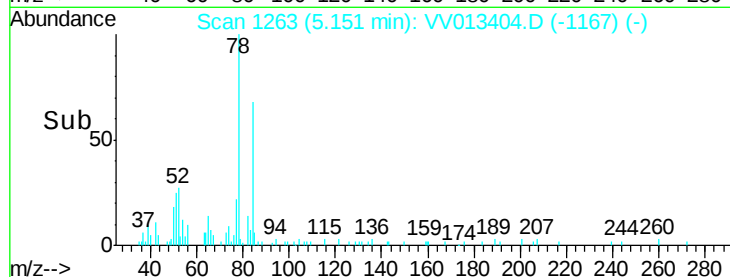
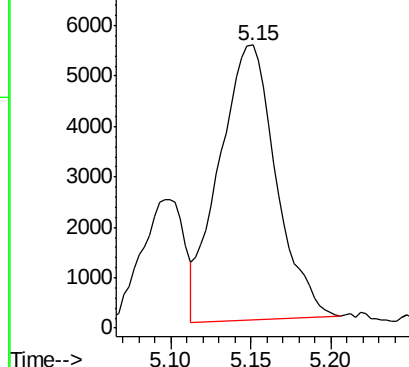
ClientSampleId :

GAQD2

Tgt Ion: 78 Resp: 13285



Abundance Ion 78.10 (77.80 to 78.80): VV0



#42

Toluene

Concen: 0.162 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013404.D

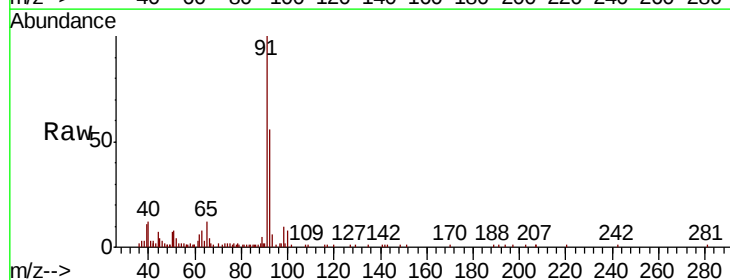
Acq: 29 Oct 2019 19:29

Tgt Ion: 91 Resp: 23269

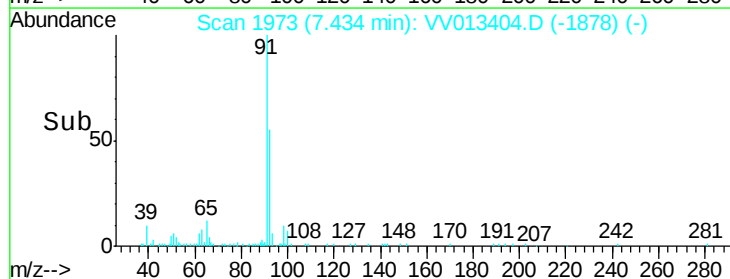
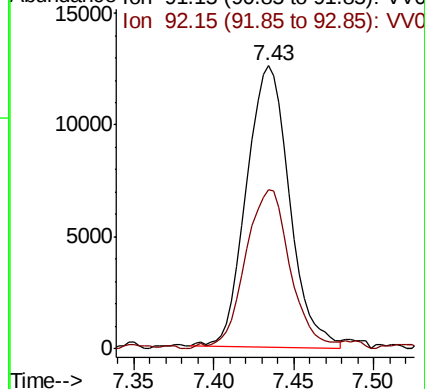
Ion Ratio Lower Upper

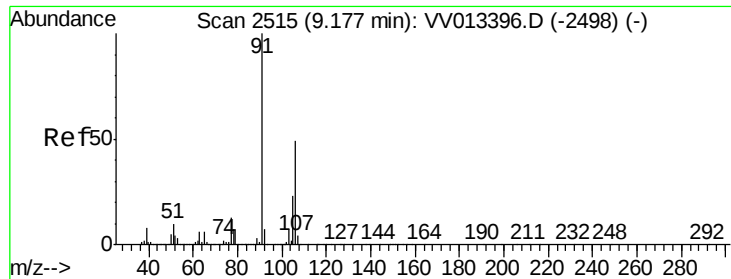
91 100

92 56.4 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV0





#53

m,p-xylene

Concen: 0.098 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013404.D

Acq: 29 Oct 2019 19:29

Instrument :

MSVOA_V

ClientSampleId :

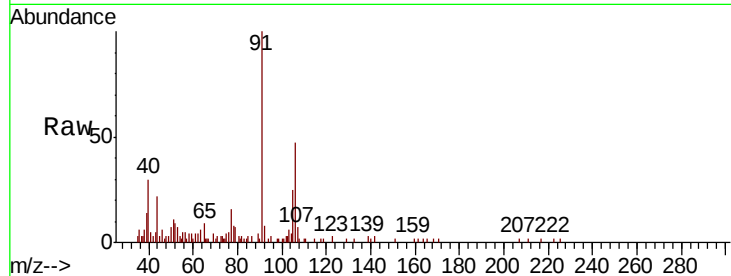
GAQD2

Tot Ion:106 Resp: 5526

Ion Ratio Lower Upper

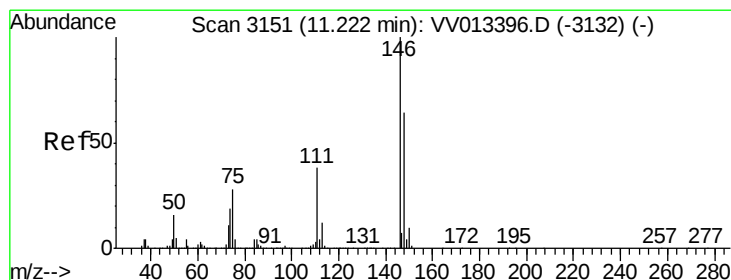
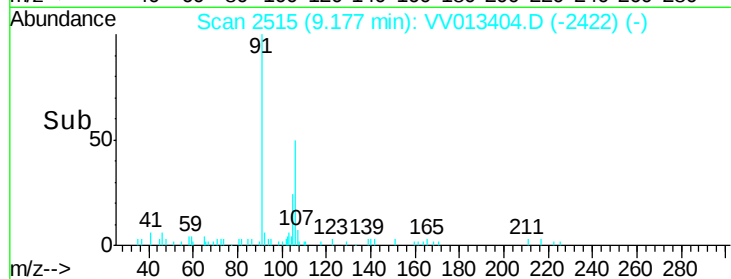
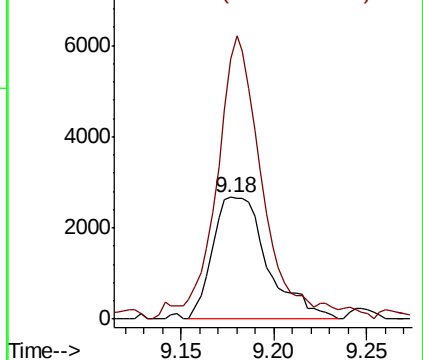
106 100

91 213.7 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#62

1,3-Dichlorobenzene

Concen: 0.082 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.01 min

Lab File: VV013404.D

Acq: 29 Oct 2019 19:29

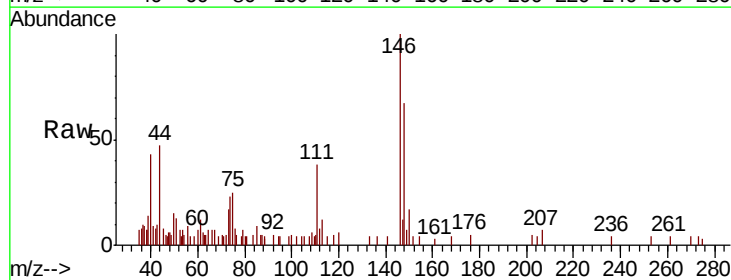
Tgt Ion:146 Resp: 5152

Ion Ratio Lower Upper

146 100

111 37.6 27.2 50.4

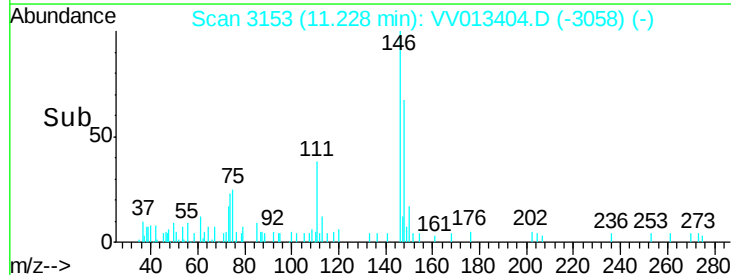
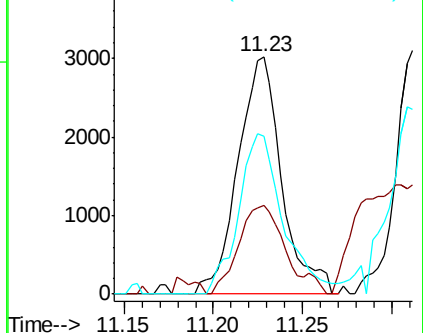
148 73.7 46.6 86.6

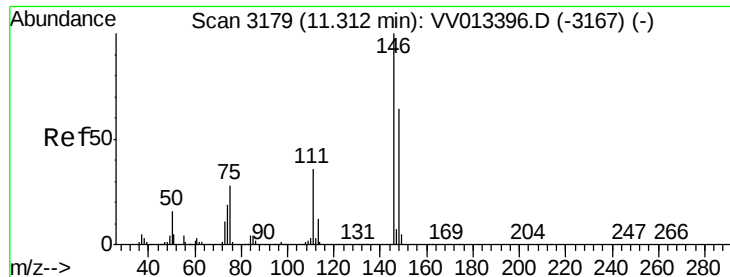


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

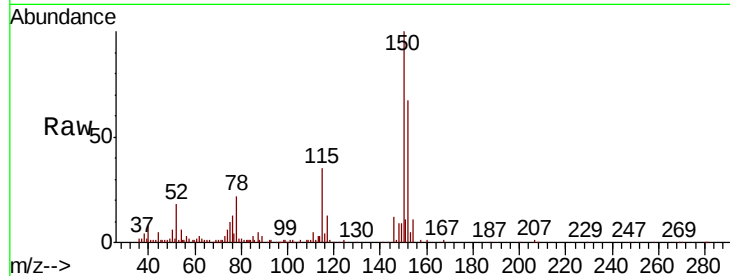




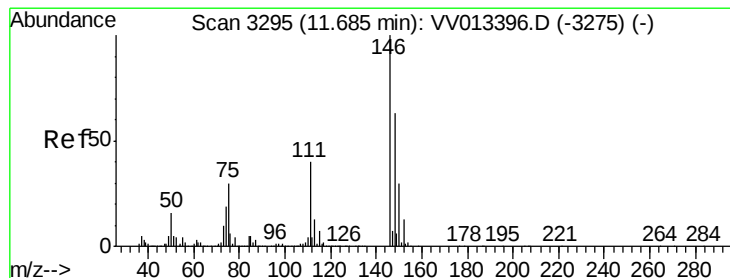
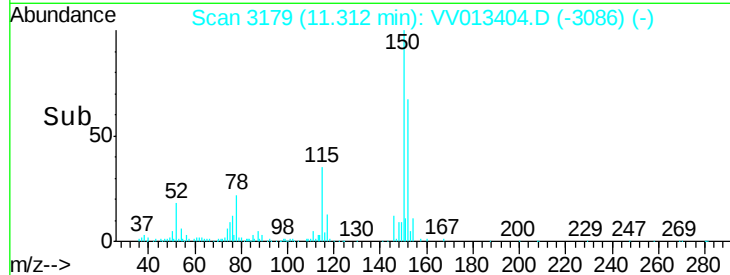
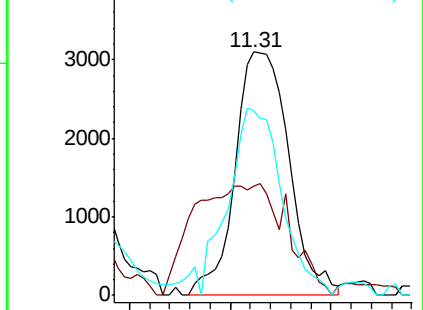
#63
 1,4-Dichlorobenzene
 Concen: 0.092 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV013404.D
 Acq: 29 Oct 2019 19:29

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD2

Tot Ion:146 Resp: 5800
 Ion Ratio Lower Upper
 146 100
 111 45.0 25.4 47.2
 148 75.7 44.9 83.5

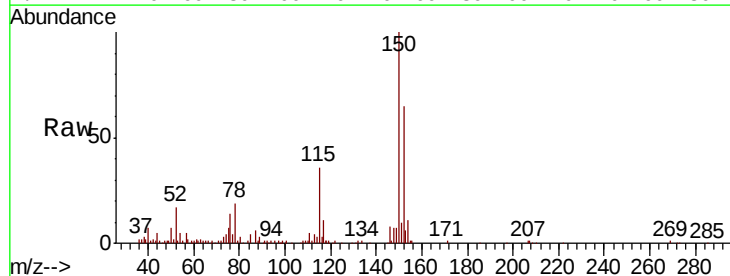


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

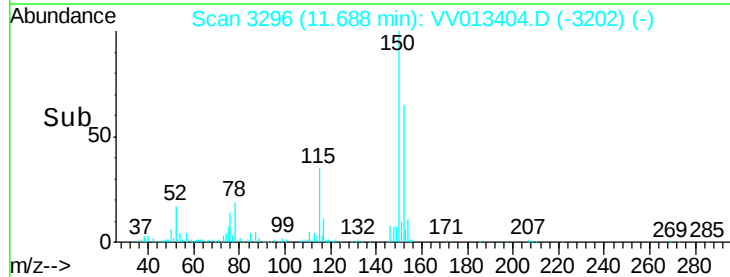
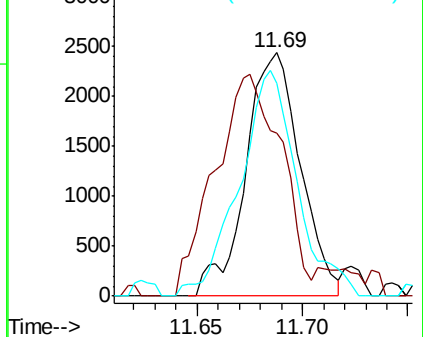


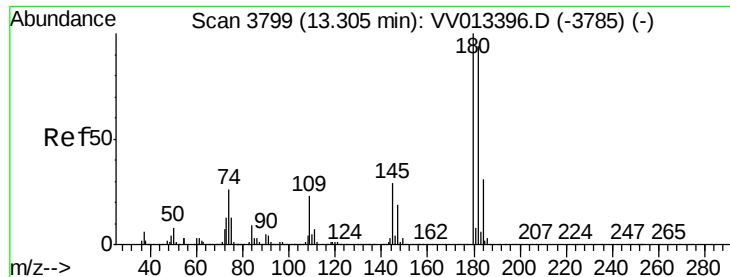
#65
 1,2-Dichlorobenzene
 Concen: 0.075 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013404.D
 Acq: 29 Oct 2019 19:29

Tgt Ion:146 Resp: 4406
 Ion Ratio Lower Upper
 146 100
 111 67.0 31.9 47.9#
 148 87.6 51.3 76.9#



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

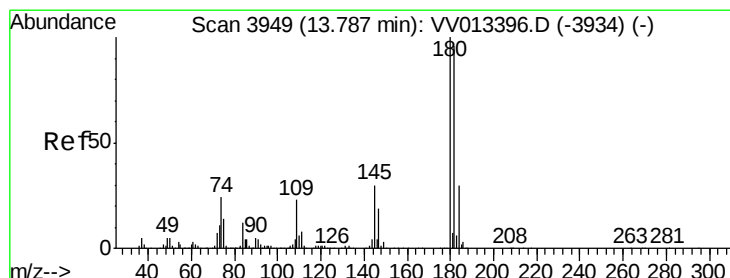
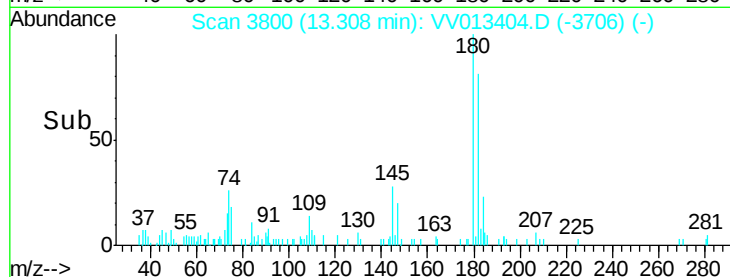
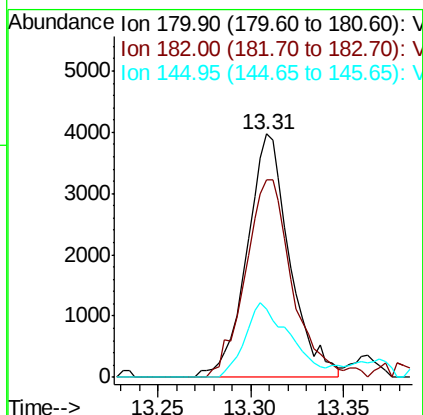
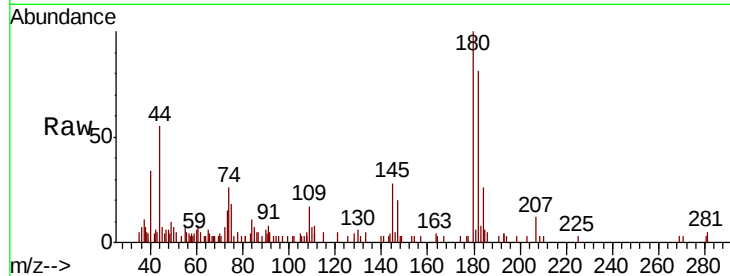




#68
 1,2,4-trichlorobenzene
 Concen: 0.161 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013404.D
 Acq: 29 Oct 2019 19:29

Instrument :
 MSVOA_V
 ClientSampled :
 GAQD2

Tot Ion:180 Resp: 6321
 Ion Ratio Lower Upper
 180 100
 182 88.7 76.2 114.4
 145 32.2 22.5 33.7



#70
 1,2,3-Trichlorobenzene
 Concen: 0.144 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.01 min
 Lab File: VV013404.D
 Acq: 29 Oct 2019 19:29

Tgt Ion:180 Resp: 5139
 Ion Ratio Lower Upper
 180 100
 182 103.5 75.7 113.5
 145 33.8 24.1 36.1

