

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016099.D
 Acq On : 18 May 2020 14:19
 Operator : SY/MD
 Sample : L2655-03DL 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 04:48:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 04:04:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	329138	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	323692	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	153167	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	109097	45.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.92%
7) Chloroethane-d5	1.58	69	98610	46.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.66%
11) 1,1-Dichloroethene-d2	2.13	63	160146	35.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.36%
21) 2-Butanone-d5	3.93	46	141631	98.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.93%
24) Chloroform-d	4.38	84	199449	43.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.06	65	152234	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
32) Benzene-d6	5.08	84	419982	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.64%
36) 1,2-Dichloropropane-d6	6.10	67	133455	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.06%
41) Toluene-d8	7.34	98	387689	46.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.64	79	63423	45.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.08%
47) 2-Hexanone-d5	8.12	63	91261	99.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.83%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	160718	45.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	147419	48.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.34%

Target Compounds

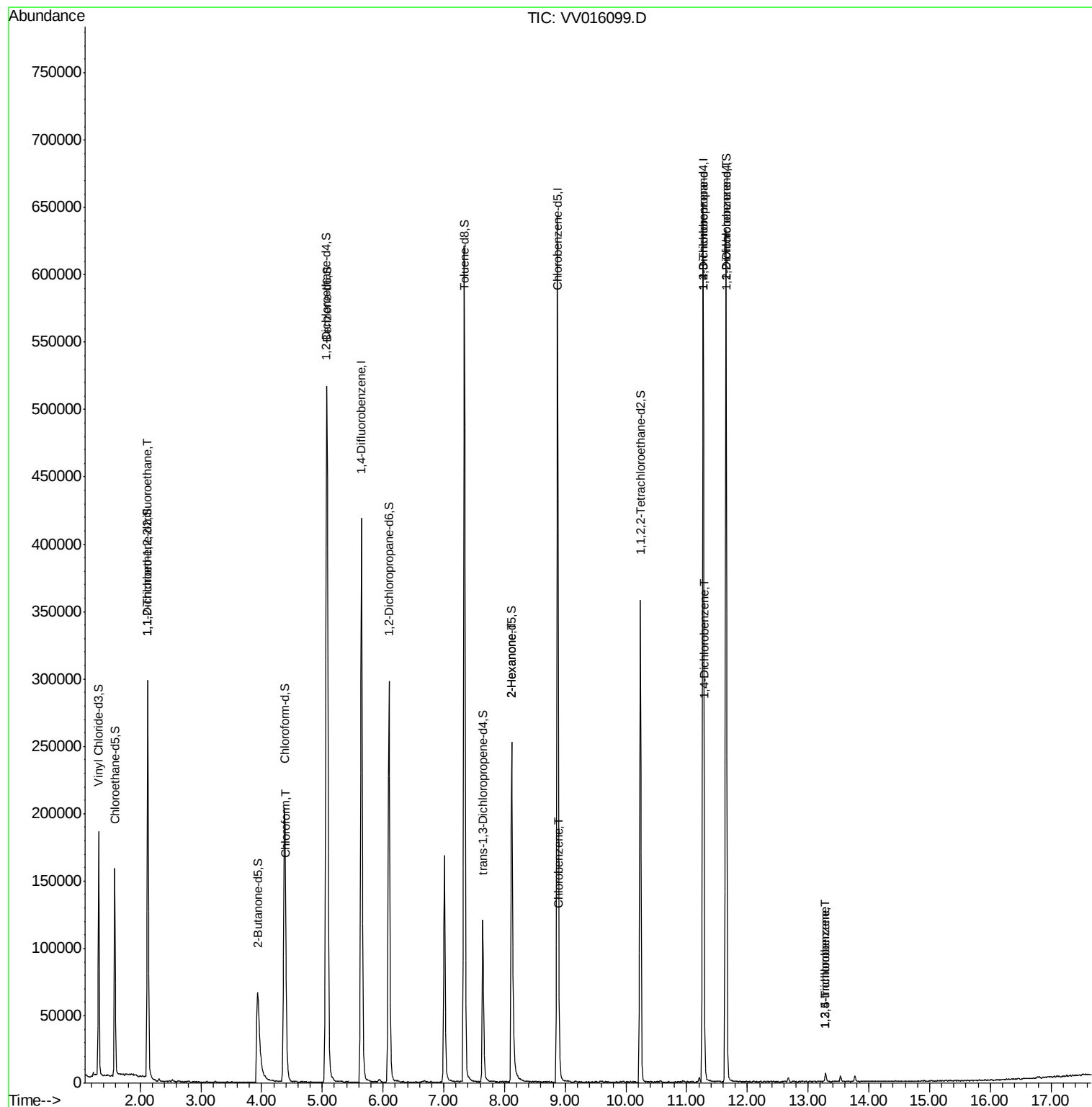
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1508	0.716	ug/L #	31
25) Chloroform	4.41	83	15862	3.459	ug/L	98
48) 2-Hexanone	8.12	43	13387	5.650	ug/L #	75
51) Chlorobenzene	8.91	112	5861	0.907	ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	20985	7.095	ug/L	91
63) 1,4-Dichlorobenzene	11.30	146	4031	0.829	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	4470	0.931	ug/L #	71
67) 1,3,5-Trichlorobenzene	13.29	180	1774	0.540	ug/L	92
68) 1,2,4-trichlorobenzene	13.29	180	1774	0.601	ug/L	92

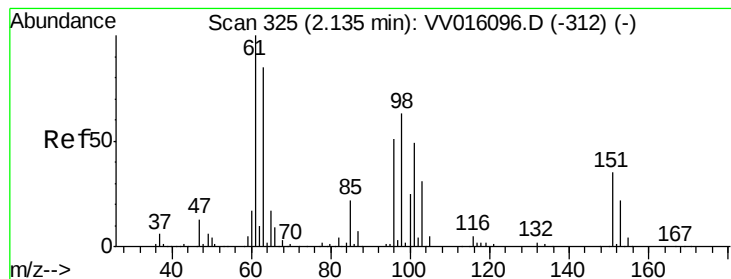
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue May 19 04:04:01 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.716 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016099.D

Acq: 18 May 2020 14:19

Instrument :

MSVOA_V

ClientSampleId :

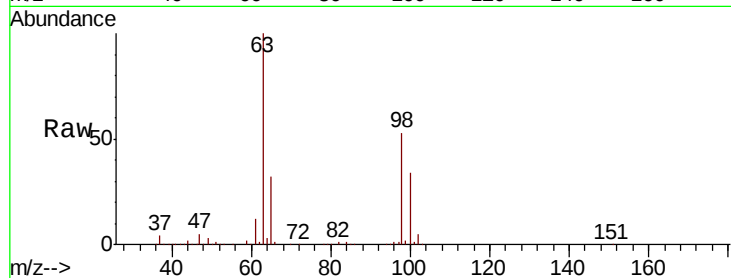
Tot Ion:101 Resp: 1508

Ion Ratio Lower Upper

101 100

85 9.7 36.2 54.4#

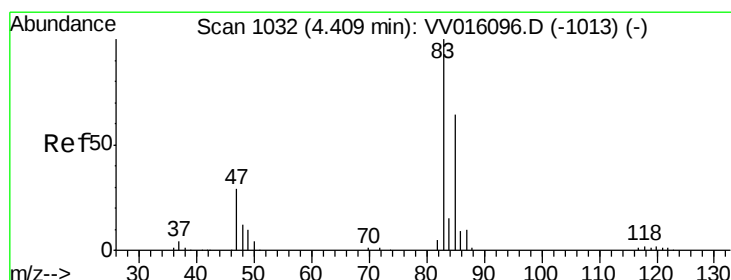
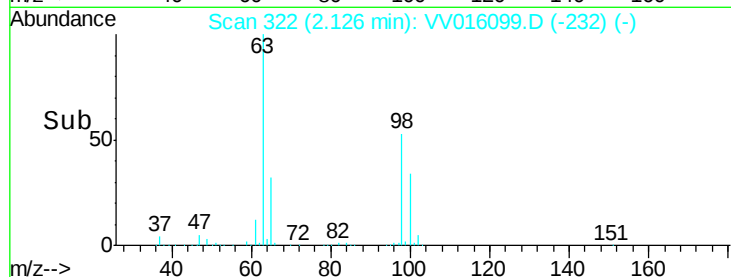
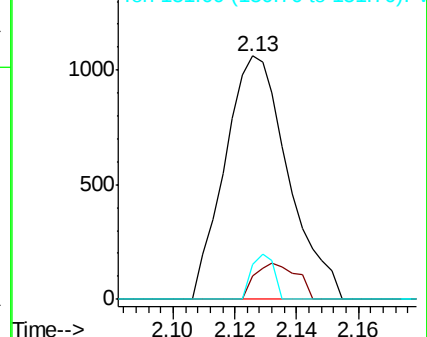
151 6.6 56.9 85.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 3.459 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV016099.D

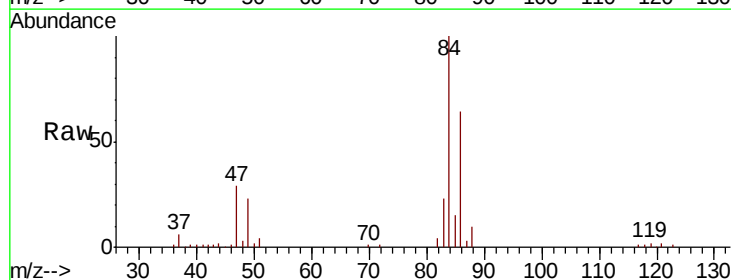
Acq: 18 May 2020 14:19

Tgt Ion: 83 Resp: 15862

Ion Ratio Lower Upper

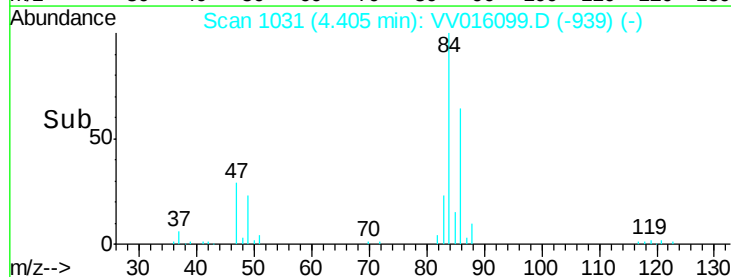
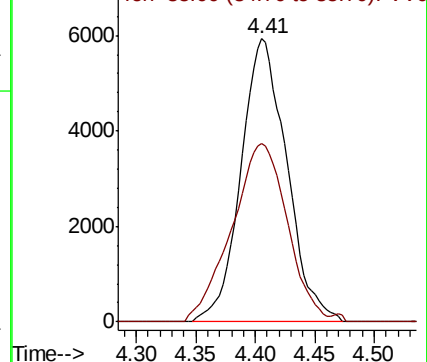
83 100

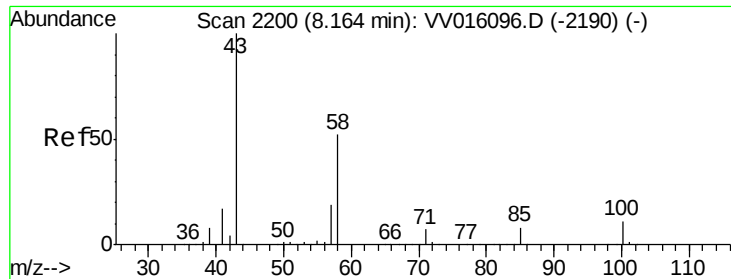
85 63.1 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

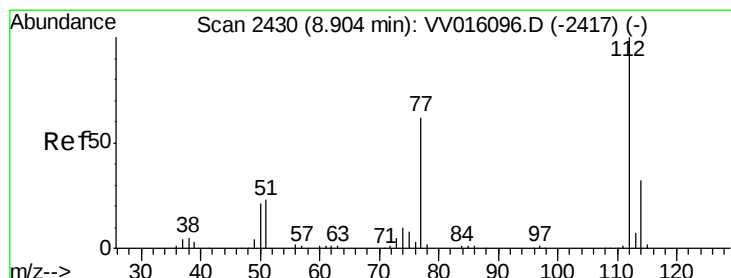
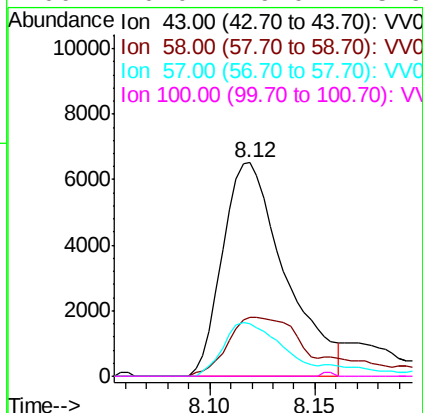
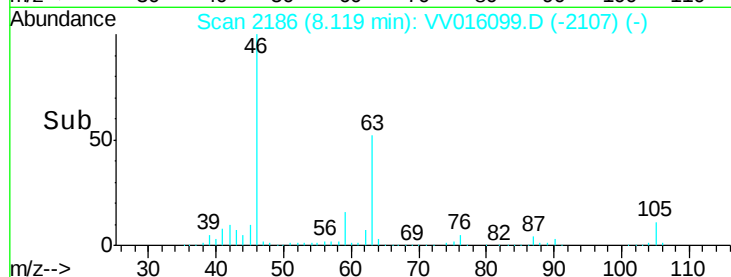
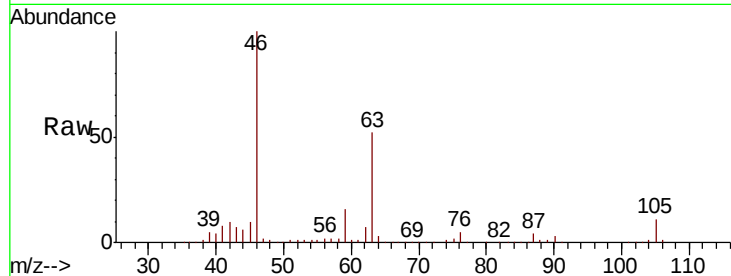




#48
2-Hexanone
Concen: 5.650 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV016099.D
Acq: 18 May 2020 14:19

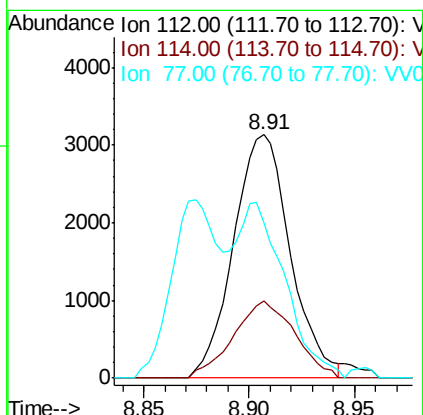
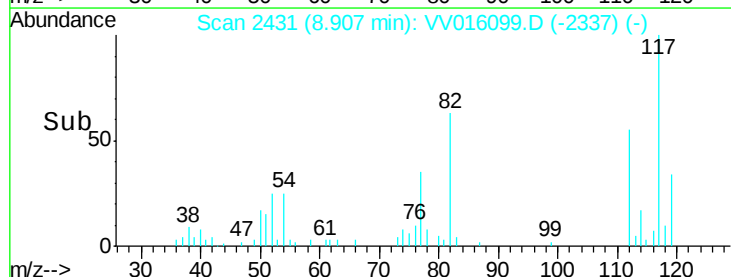
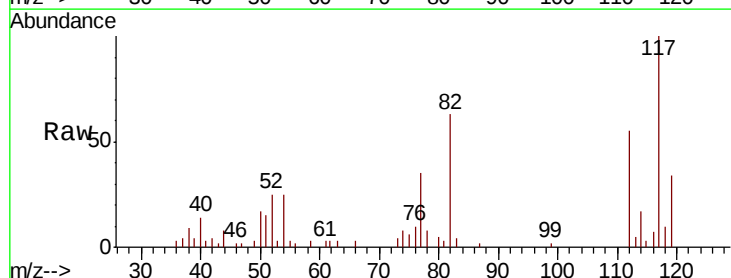
Instrument :
MSVOA_V
ClientSampleId :

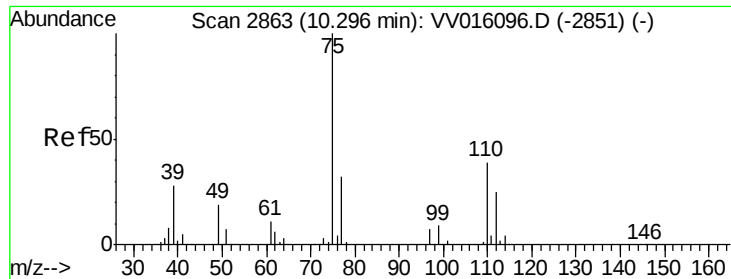
Tot Ion: 43 Resp: 13387
Ion Ratio Lower Upper
43 100
58 30.5 40.9 61.3#
57 23.4 15.0 22.4#
100 0.0 9.0 13.6#



#51
Chlorobenzene
Concen: 0.907 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VV016099.D
Acq: 18 May 2020 14:19

Tgt Ion: 112 Resp: 5861
Ion Ratio Lower Upper
112 100
114 31.6 22.5 41.9
77 64.0 50.4 75.6

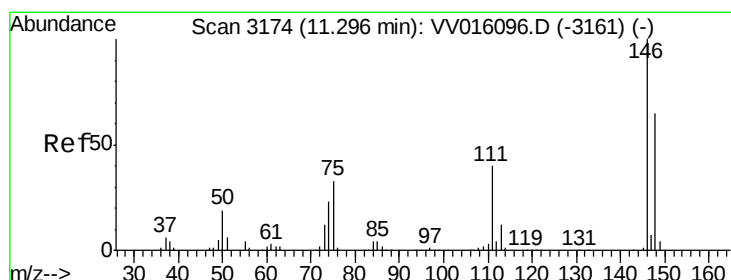
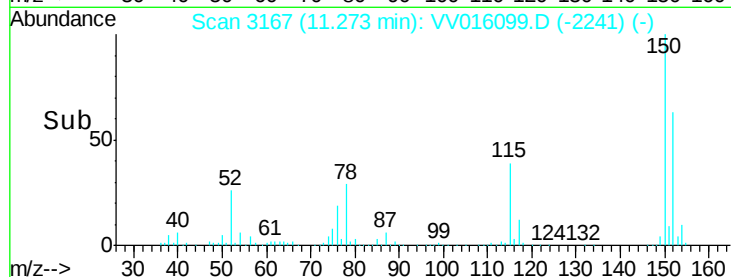
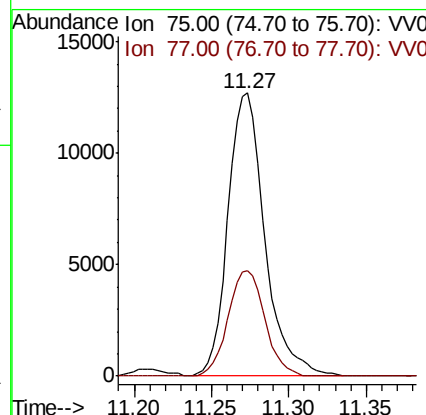
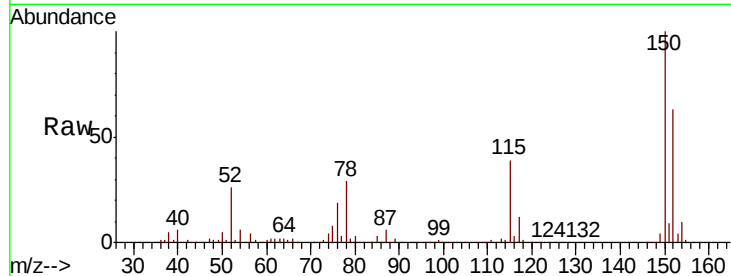




#59
 1,2,3-Trichloropropane
 Concen: 7.095 ug/L
 RT: 11.27 min Scan# 3167
 Delta R.T. 0.98 min
 Lab File: VV016099.D
 Acq: 18 May 2020 14:19

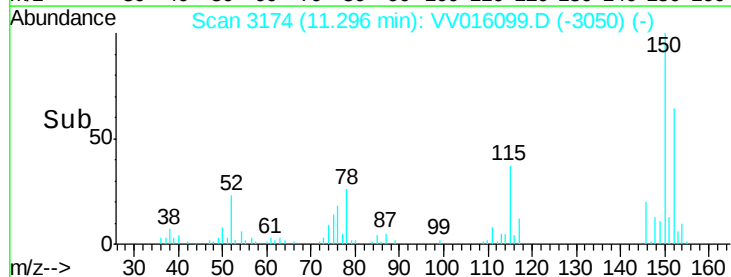
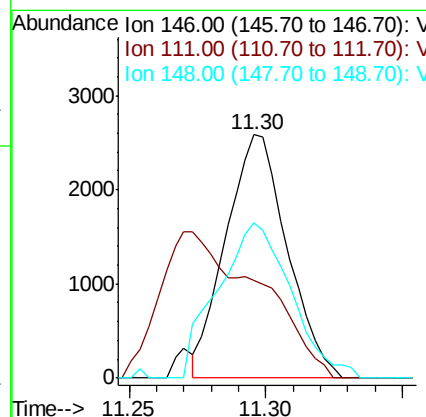
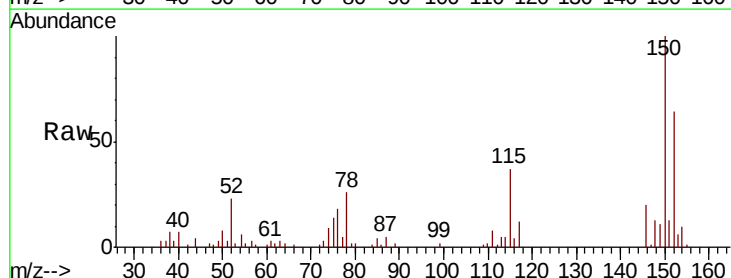
Instrument :
 MSVOA_V
 ClientSampleID :

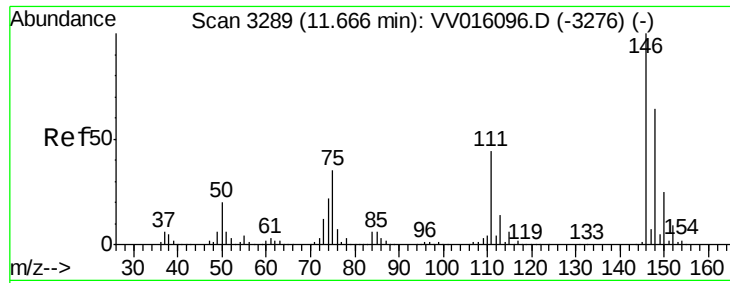
Tot Ion: 75 Resp: 20985
 Ion Ratio Lower Upper
 75 100
 77 37.0 25.5 38.3



#63
 1,4-Dichlorobenzene
 Concen: 0.829 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016099.D
 Acq: 18 May 2020 14:19

Tgt Ion: 146 Resp: 4031
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.1 52.3
 148 63.5 45.7 84.9





#65

1,2-Dichlorobenzene

Concen: 0.931 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV016099.D

Acq: 18 May 2020 14:19

Instrument :

MSVOA_V

ClientSampleId :

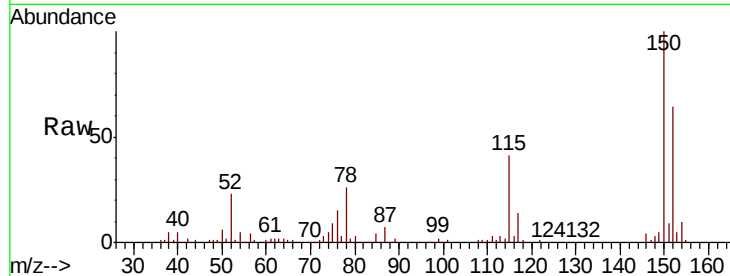
Tot Ion:146 Resp: 4470

Ion Ratio Lower Upper

146 100

111 72.4 35.2 52.8#

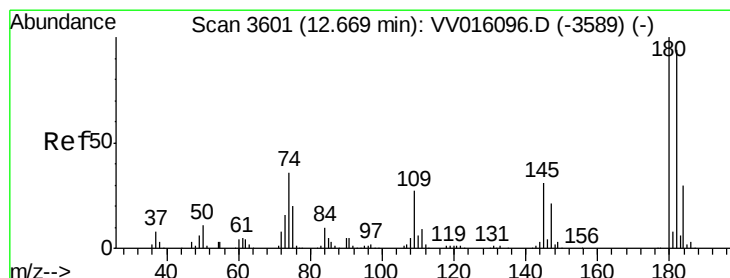
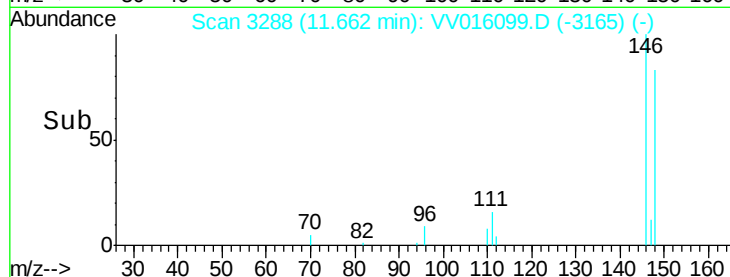
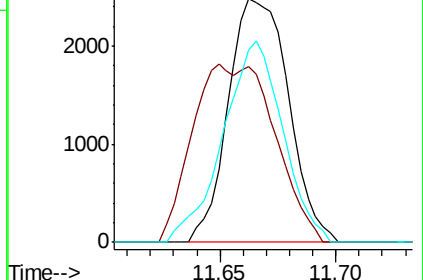
148 79.2 51.4 77.2#



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



#67

1,3,5-Trichlorobenzene

Concen: 0.540 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.62 min

Lab File: VV016099.D

Acq: 18 May 2020 14:19

Tgt Ion:180 Resp: 1774

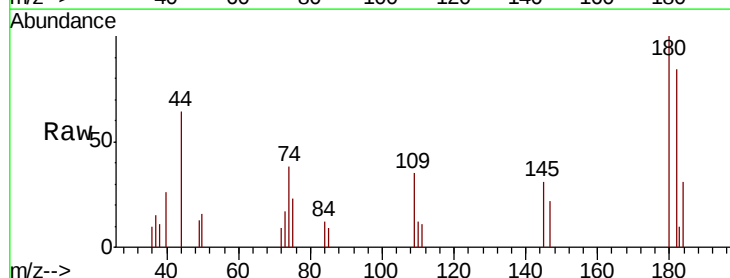
Ion Ratio Lower Upper

180 100

182 104.5 75.8 113.6

184 33.4 24.3 36.5

145 33.9 25.0 37.6

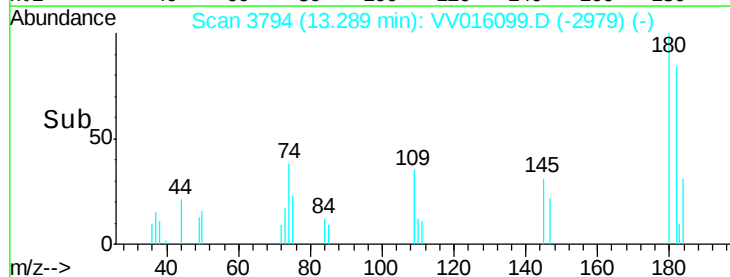
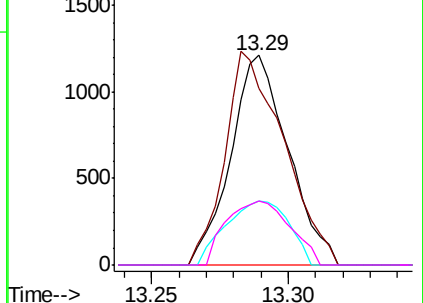


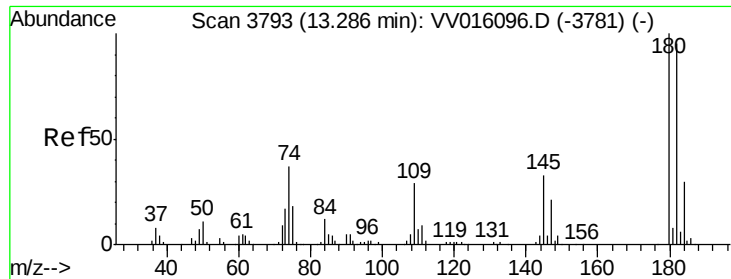
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V





#68

1,2,4-trichlorobenzene

Concen: 0.601 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.00 min

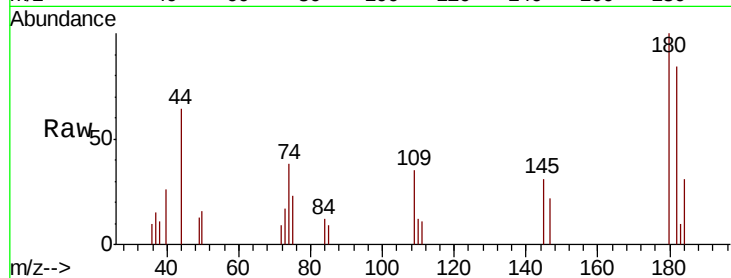
Lab File: VV016099.D

Acq: 18 May 2020 14:19

Instrument :

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ClientSampleId :



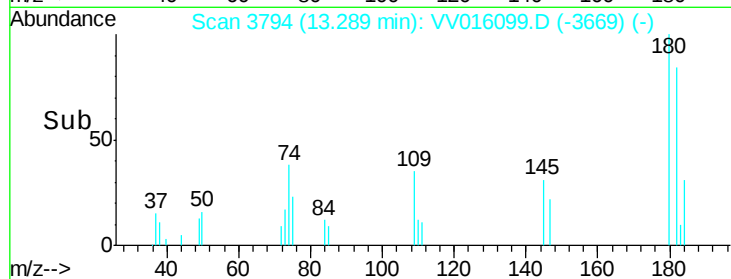
Tot Ion:180 Resp: 1774

Ion Ratio Lower Upper

180 100

182 104.5 76.2 114.4

145 33.9 26.2 39.2



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

