

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018749.D
 Acq On : 07 Oct 2020 23:44
 Operator : SY/MD
 Sample : L4239-18 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 06:42:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 02:46:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	352123	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	285121	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	140785	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70607	34.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.38%
7) Chloroethane-d5	1.58	69	65029	38.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.16%
11) 1,1-Dichloroethene-d2	2.12	63	119254	28.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.68%#
21) 2-Butanone-d5	3.92	46	129593	84.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.13%
24) Chloroform-d	4.38	84	179527	40.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.40%
26) 1,2-Dichloroethane-d4	5.06	65	125957	44.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.86%
32) Benzene-d6	5.07	84	360585	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.86%
36) 1,2-Dichloropropane-d6	6.09	67	113374	51.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.90%
41) Toluene-d8	7.34	98	266242	39.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.38%#
43) trans-1,3-Dichloropropene-	7.64	79	46803	39.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.40%
47) 2-Hexanone-d5	8.11	63	55302	66.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	66.72%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	103465	35.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	71.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	115883	42.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

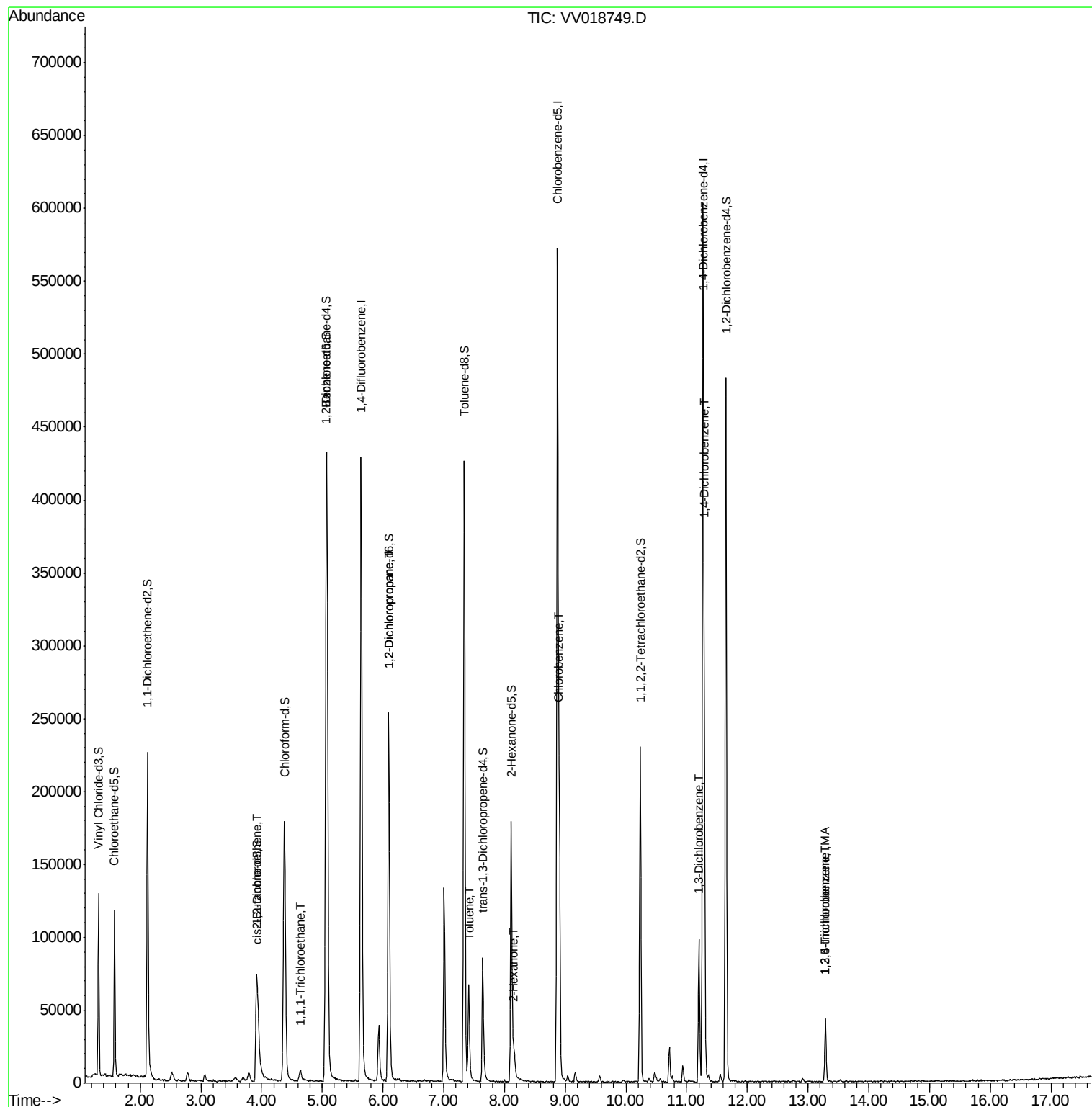
					Ovalue
20) cis-1,2-Dichloroethene	3.94	96	2864	1.071 ug/L	91
30) 1,1,1-Trichloroethane	4.64	97	5161	1.458 ug/L #	67
37) 1,2-Dichloropropane	6.09	63	13864	6.451 ug/L #	85
42) Toluene	7.41	91	47466	5.238 ug/L	99
48) 2-Hexanone	8.16	43	9235	4.268 ug/L #	41
51) Chlorobenzene	8.90	112	100349	16.370 ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	37371	8.202 ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	70063	14.933 ug/L	98
67) 1,3,5-Trichlorobenzene	13.29	180	11706	3.709 ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	11706	3.986 ug/L	96

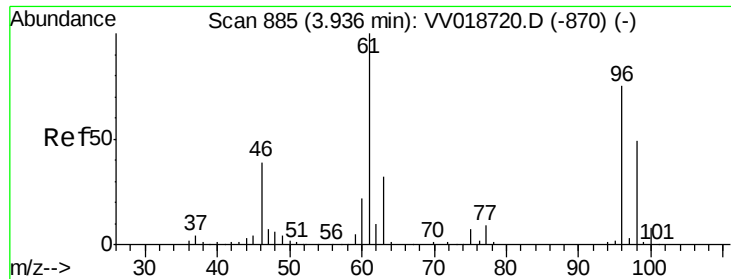
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration

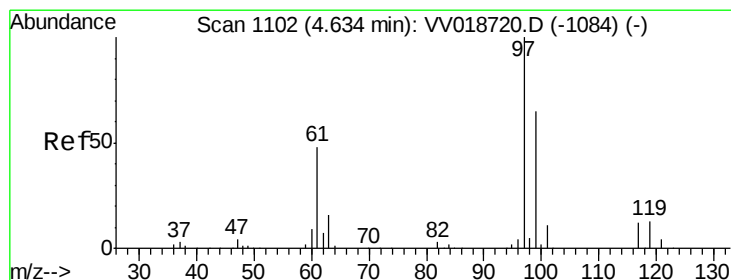
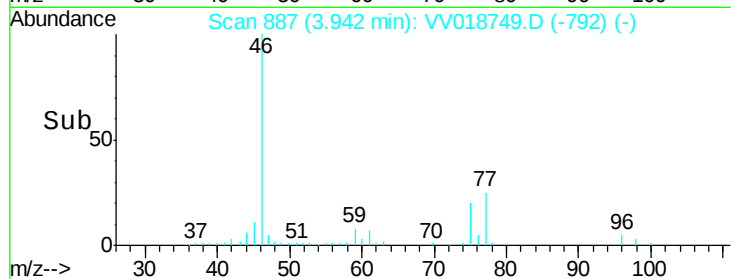
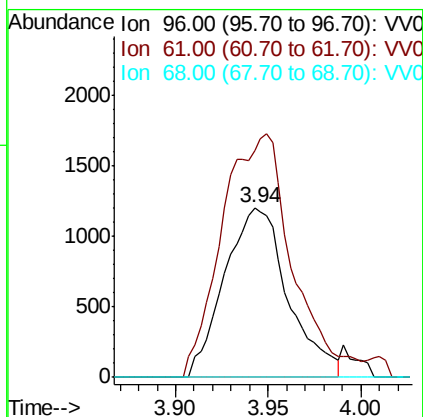
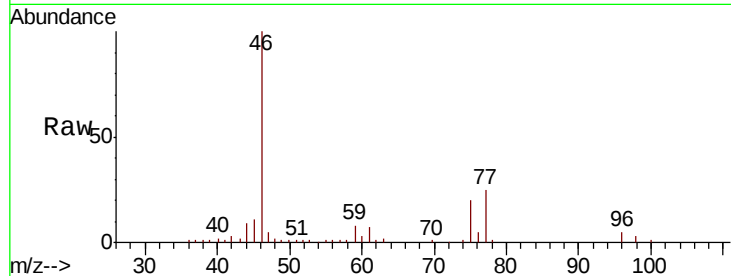




#20
 cis-1,2-Dichloroethene
 Concen: 1.071 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV018749.D
 Acq: 07 Oct 2020 23:44

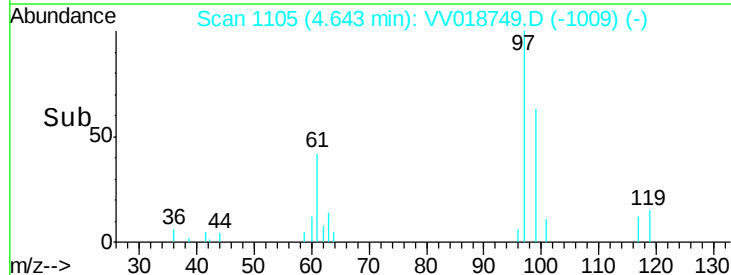
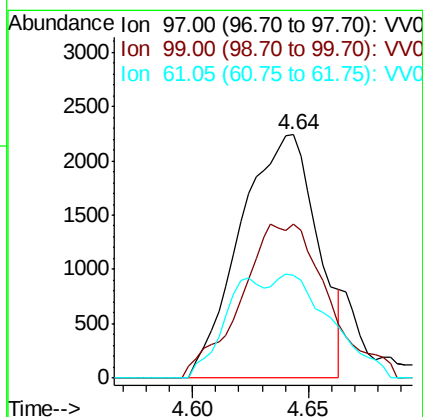
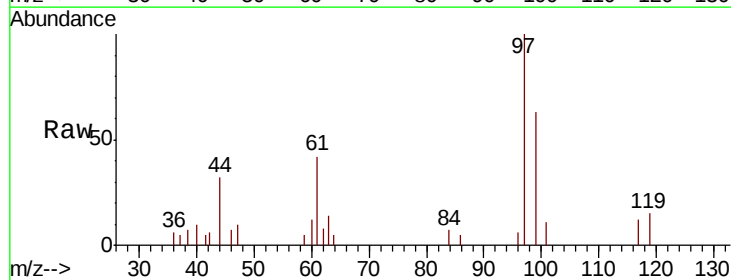
Instrument :
 MSVOA_V
 ClientSampled :

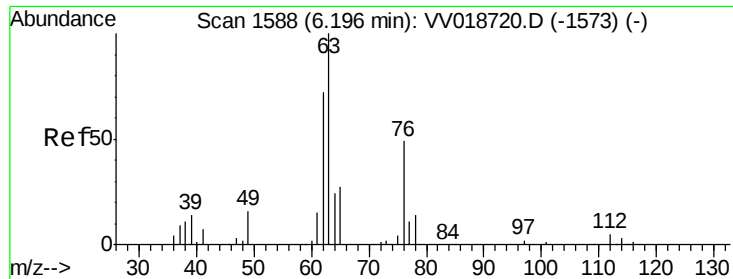
Tot Ion: 96 Resp: 2864
 Ion Ratio Lower Upper
 96 100
 61 133.7 86.8 161.2
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 1.458 ug/L
 RT: 4.64 min Scan# 1105
 Delta R.T. 0.01 min
 Lab File: VV018749.D
 Acq: 07 Oct 2020 23:44

Tgt Ion: 97 Resp: 5161
 Ion Ratio Lower Upper
 97 100
 99 38.6 51.4 77.0#
 61 21.6 33.9 50.9#

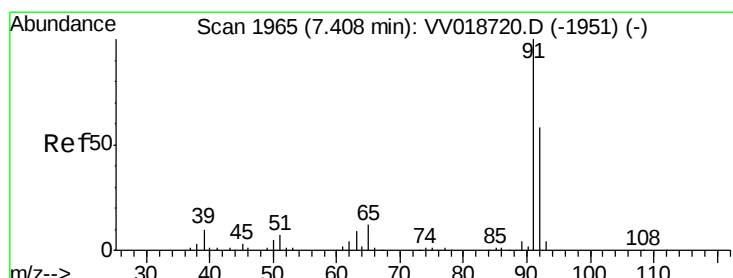
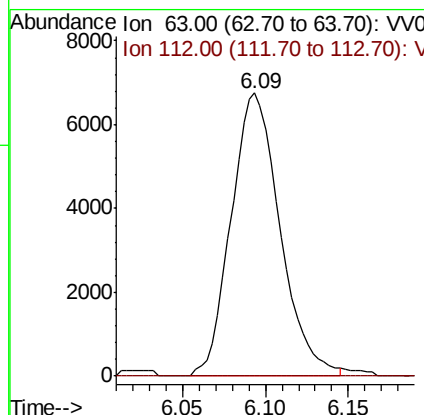
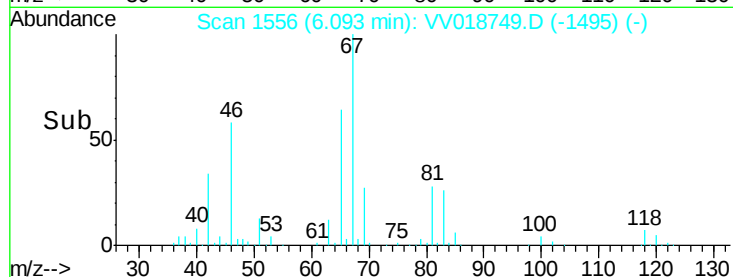
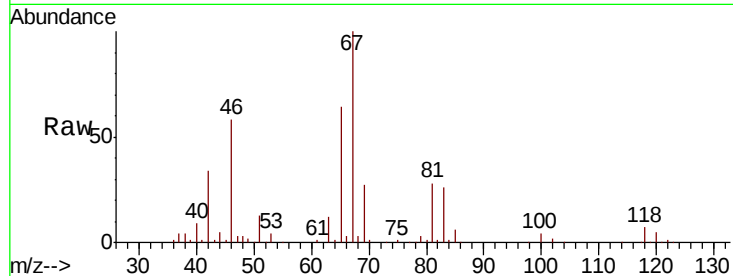




#37
 1,2-Dichloropropane
 Concen: 6.451 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018749.D
 Acq: 07 Oct 2020 23:44

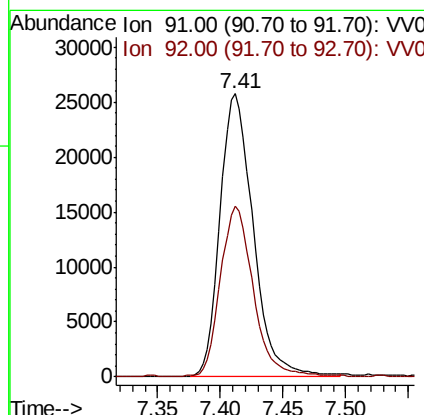
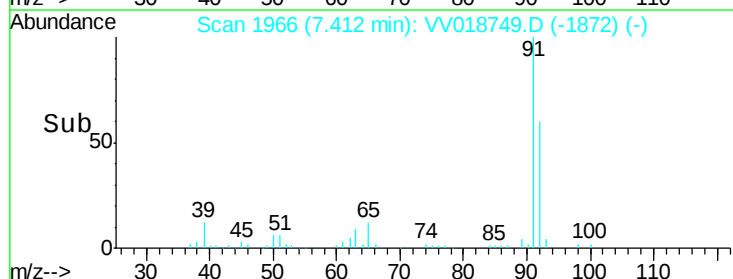
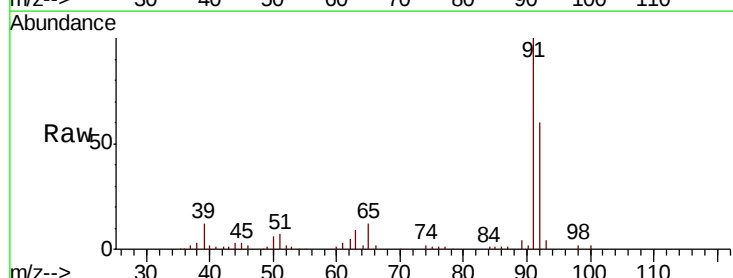
Instrument :
 MSVOA_V
 ClientSampleId :

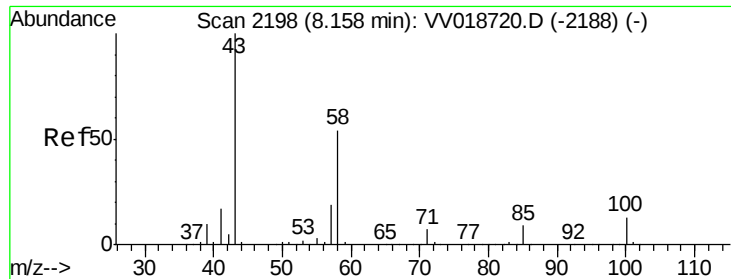
Tot Ion: 63 Resp: 13864
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.9 5.9#



#42
 Toluene
 Concen: 5.238 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV018749.D
 Acq: 07 Oct 2020 23:44

Tgt Ion: 91 Resp: 47466
 Ion Ratio Lower Upper
 91 100
 92 60.4 41.6 77.3

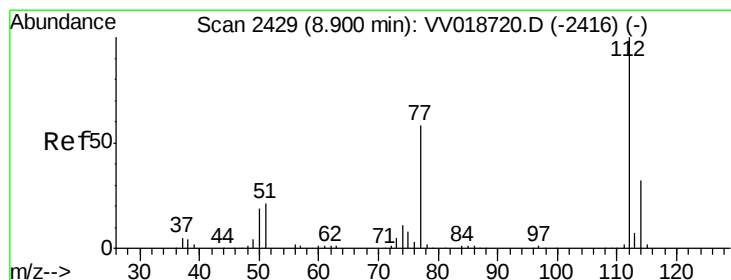
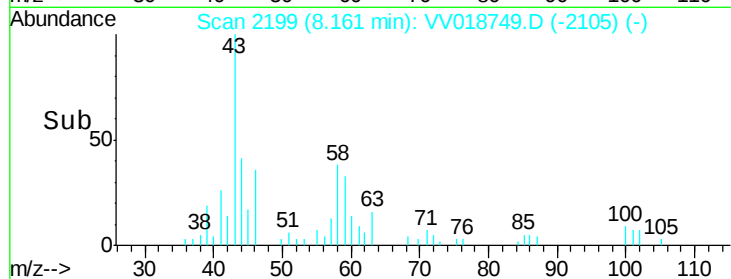
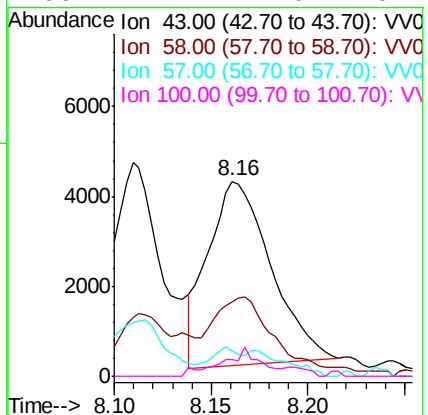
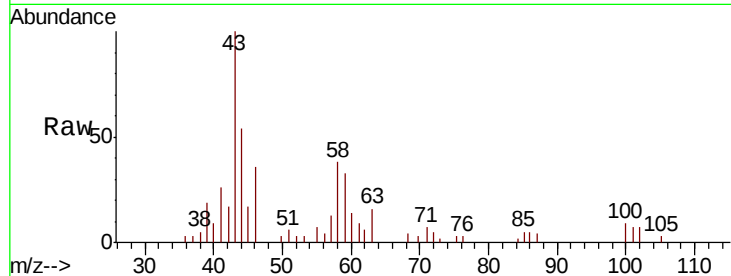




#48
2-Hexanone
Concen: 4.268 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018749.D
Acq: 07 Oct 2020 23:44

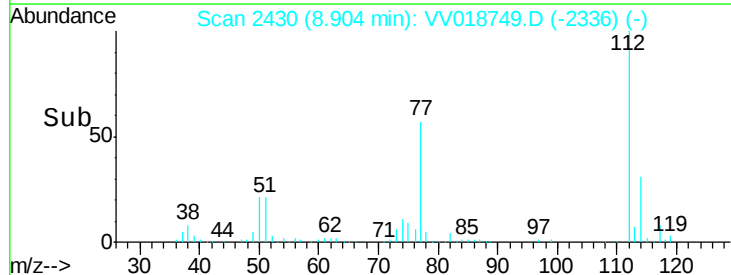
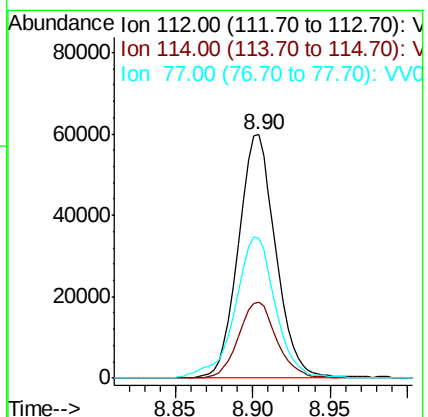
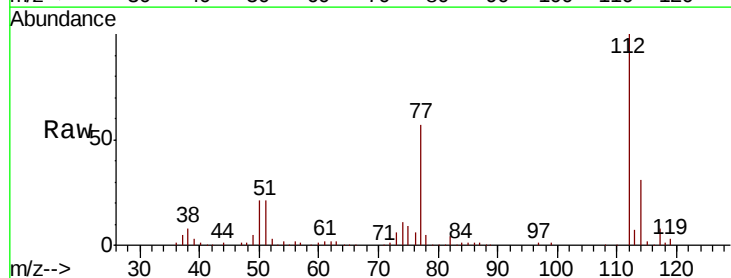
Instrument :
MSVOA_V
ClientSampleId :

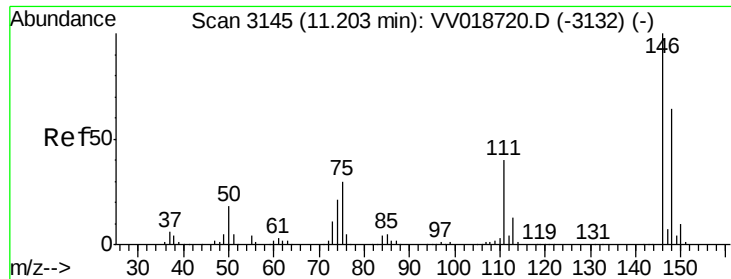
Tot Ion: 43 Resp: 9235
Ion Ratio Lower Upper
43 100
58 0.0 45.1 67.7#
57 6.0 15.7 23.5#
100 4.1 11.0 16.4#



#51
Chlorobenzene
Concen: 16.370 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018749.D
Acq: 07 Oct 2020 23:44

Tgt Ion: 112 Resp: 100349
Ion Ratio Lower Upper
112 100
114 31.4 22.4 41.6
77 57.3 44.8 67.2





#62

1,3-Dichlorobenzene

Concen: 8.202 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018749.D

Acq: 07 Oct 2020 23:44

Instrument :

MSVOA_V

ClientSampleId :

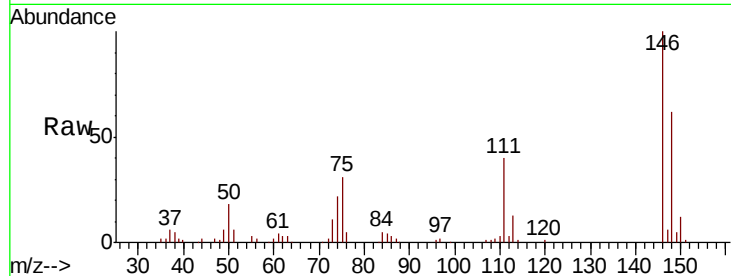
Tot Ion:146 Resp: 37371

Ion Ratio Lower Upper

146 100

111 40.0 26.8 49.8

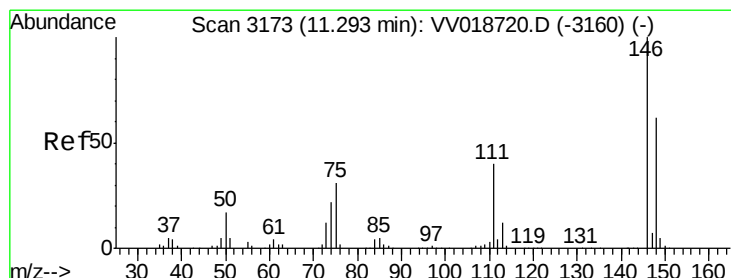
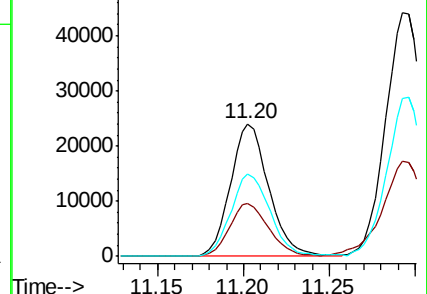
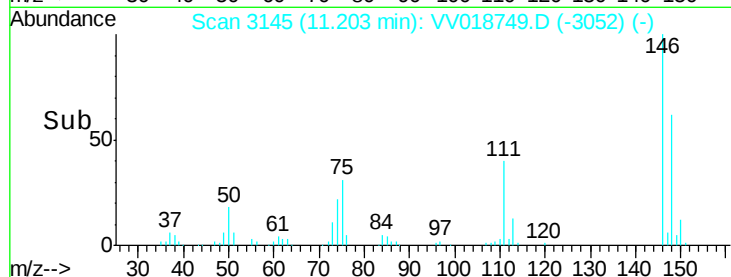
148 62.2 44.0 81.8



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: 14.933 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018749.D

Acq: 07 Oct 2020 23:44

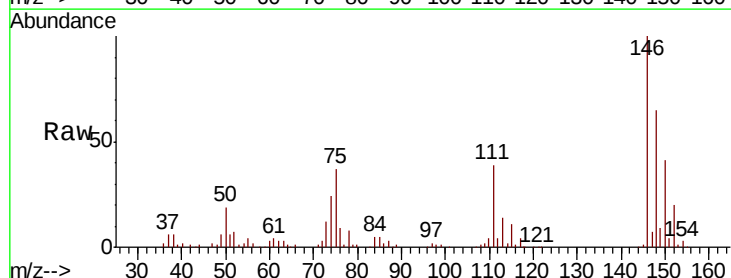
Tgt Ion:146 Resp: 70063

Ion Ratio Lower Upper

146 100

111 38.9 26.2 48.6

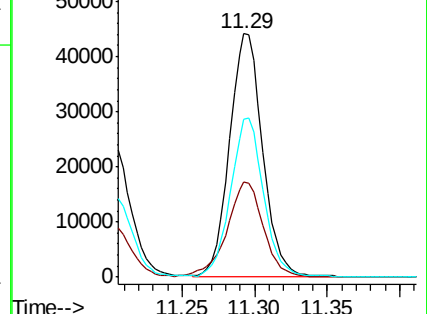
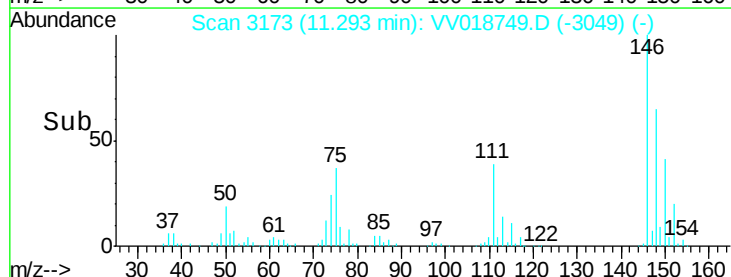
148 64.8 44.4 82.5

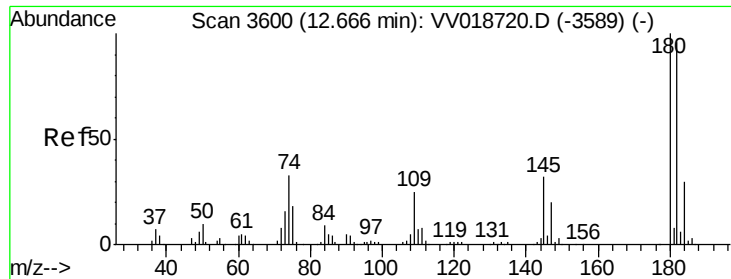


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

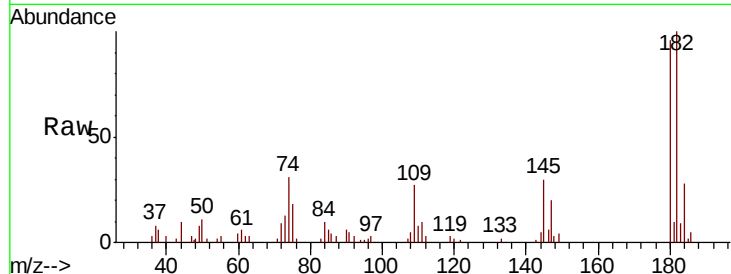




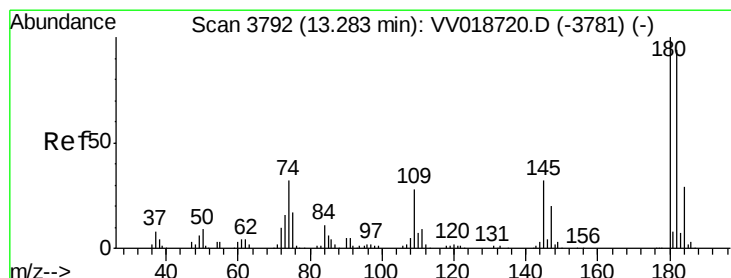
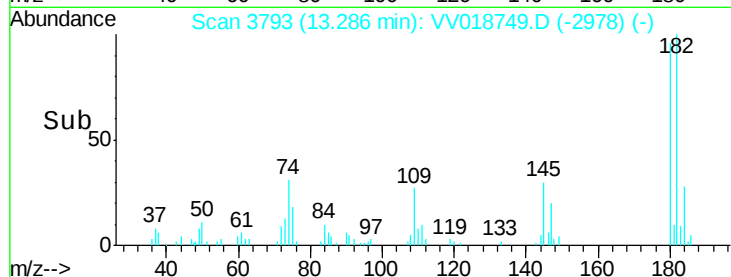
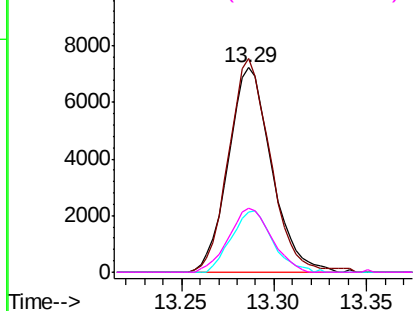
#67
 1,3,5-Trichlorobenzene
 Concen: 3.709 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV018749.D
 Acq: 07 Oct 2020 23:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 11706
 Ion Ratio Lower Upper
 180 100
 182 100.0 77.1 115.7
 184 28.4 24.3 36.5
 145 30.9 22.9 34.3

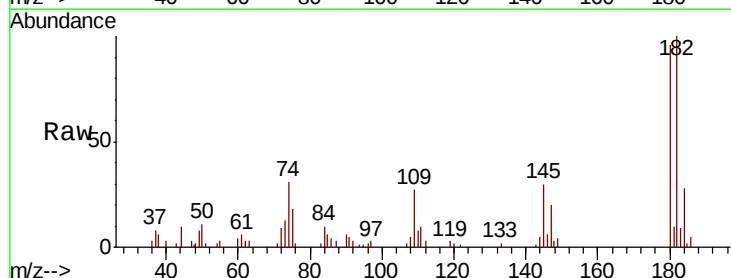


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.986 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018749.D
 Acq: 07 Oct 2020 23:44

Tgt Ion:180 Resp: 11706
 Ion Ratio Lower Upper
 180 100
 182 100.0 76.3 114.5
 145 30.9 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

