

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121820\
 Data File : VV019709.D
 Acq On : 18 Dec 2020 18:56
 Operator : SY/MD
 Sample : L5101-05DL 400X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FX1DL

Quant Time: Dec 19 05:29:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 05:26:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	591244	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	555712	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	256870	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	176682	41.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.34%
7) Chloroethane-d5	1.57	69	153953	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.08%
11) 1,1-Dichloroethene-d2	2.11	63	266436	33.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.72%
21) 2-Butanone-d5	3.90	46	309428	134.28	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	134.28%#
24) Chloroform-d	4.35	84	351919	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
26) 1,2-Dichloroethane-d4	5.04	65	248876	49.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.68%
32) Benzene-d6	5.05	84	704821	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.10%
36) 1,2-Dichloropropane-d6	6.07	67	230161	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.14%
41) Toluene-d8	7.32	98	609084	45.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.28%
43) trans-1,3-Dichloropropene-	7.62	79	109346	41.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.82%
47) 2-Hexanone-d5	8.09	63	209045	114.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.72%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	293884	46.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.63	152	234402	48.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.64%

Target Compounds

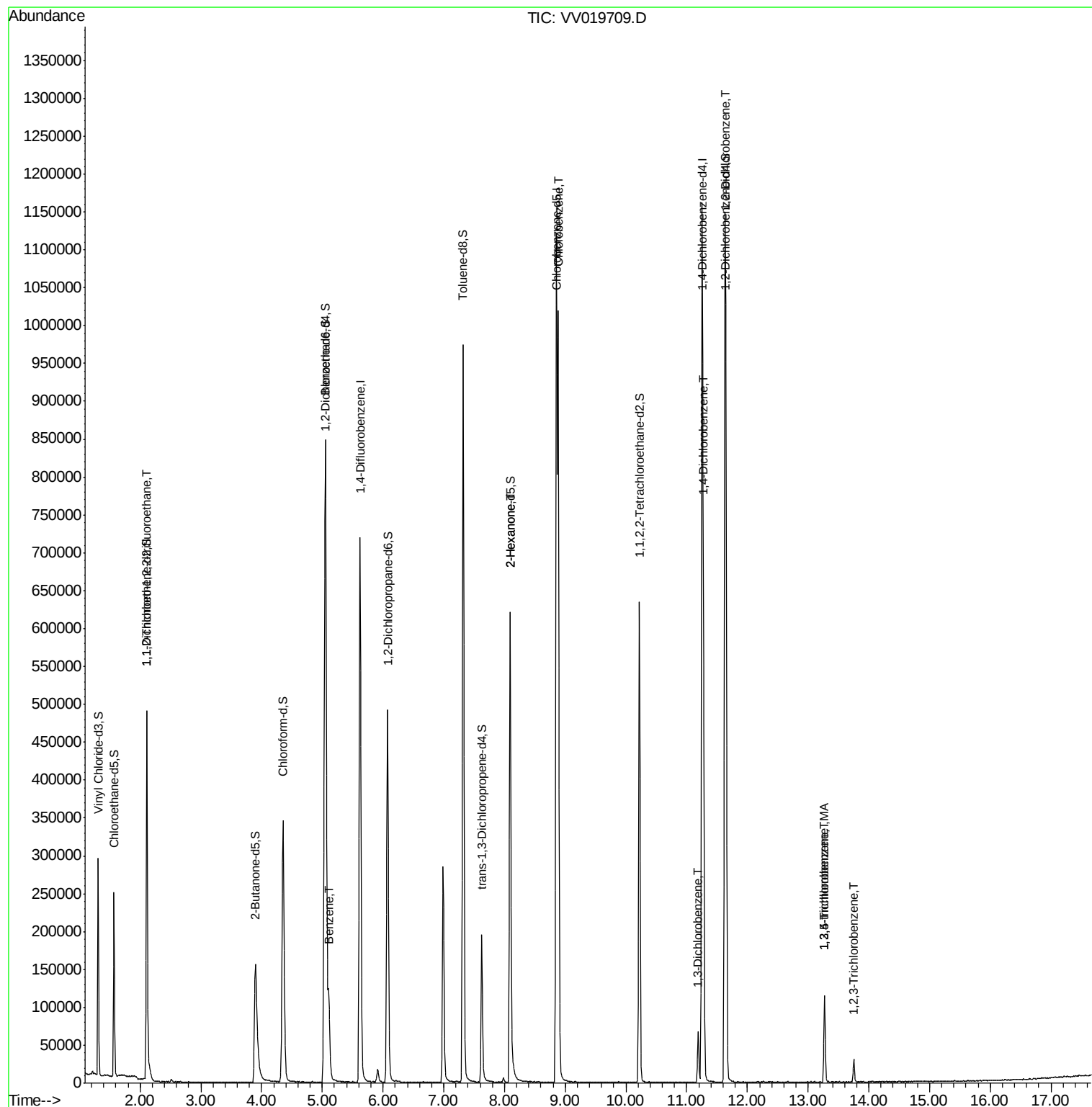
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	2386	0.695	ug/L #	25
33) Benzene	5.11	78	121187	7.462	ug/L	100
48) 2-Hexanone	8.09	43	27172	5.852	ug/L #	71
51) Chlorobenzene	8.88	112	481075	44.003	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	25294	3.209	ug/L	97
63) 1,4-Dichlorobenzene	11.28	146	182072	22.815	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	232329	29.834	ug/L	99
67) 1,3,5-Trichlorobenzene	13.27	180	31230	5.609	ug/L	96
68) 1,2,4-trichlorobenzene	13.27	180	31230	5.999	ug/L	96
70) 1,2,3-Trichlorobenzene	13.75	180	7861	1.545	ug/L	98

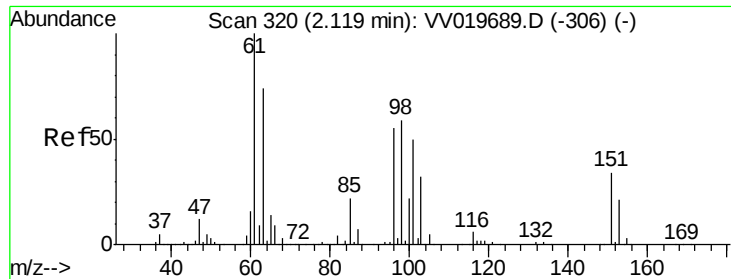
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.695 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.01 min

Lab File: VV019709.D

Acq: 18 Dec 2020 18:56

Instrument :

MSVOA_V

ClientSampleId :

C0FX1DL

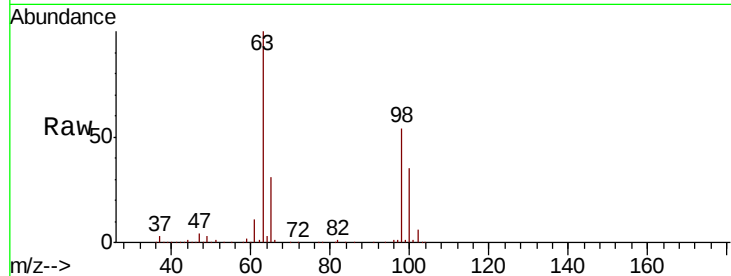
Tot Ion:101 Resp: 2386

Ion Ratio Lower Upper

101 100

85 5.4 35.0 52.4#

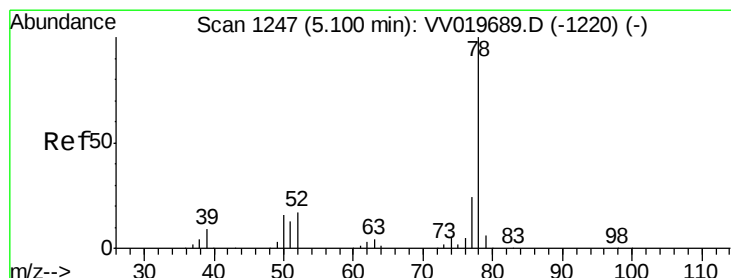
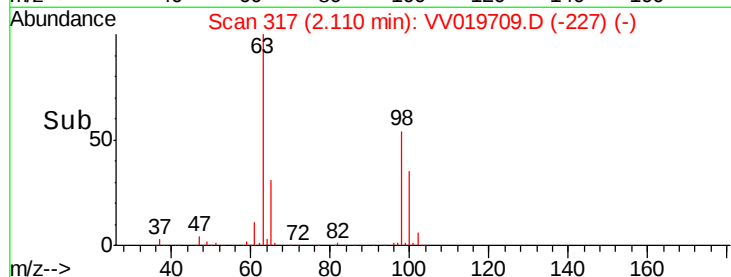
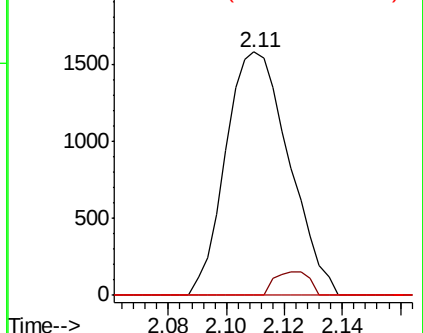
151 0.0 55.8 83.8#



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



#33

Benzene

Concen: 7.462 ug/L

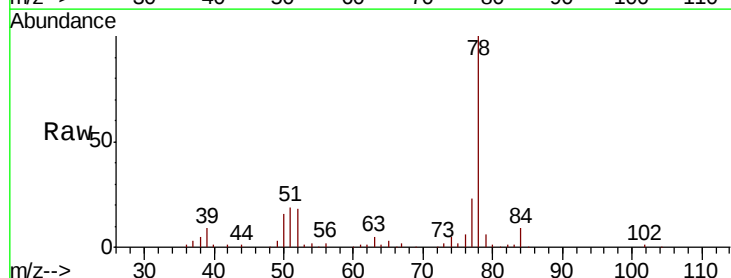
RT: 5.11 min Scan# 1249

Delta R.T. 0.01 min

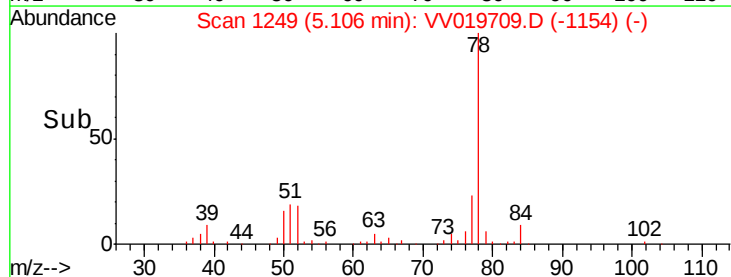
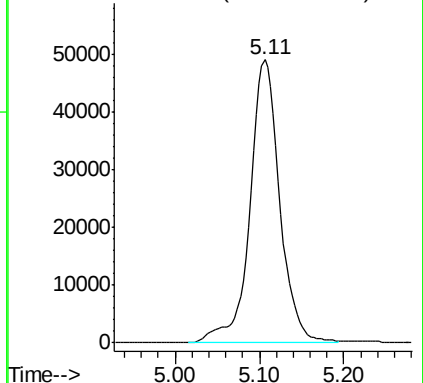
Lab File: VV019709.D

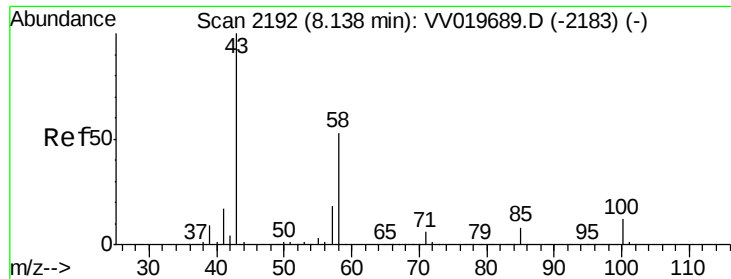
Acq: 18 Dec 2020 18:56

Tgt Ion: 78 Resp: 121187



Abundance Ion 78.00 (77.70 to 78.70): VV0

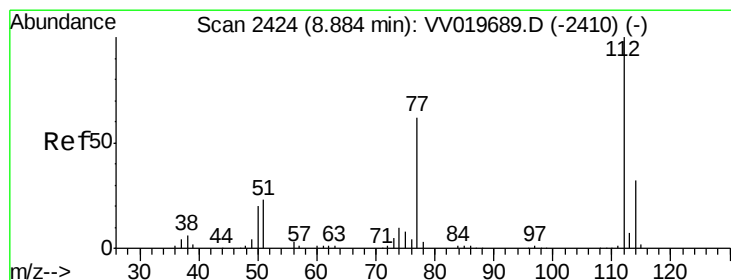
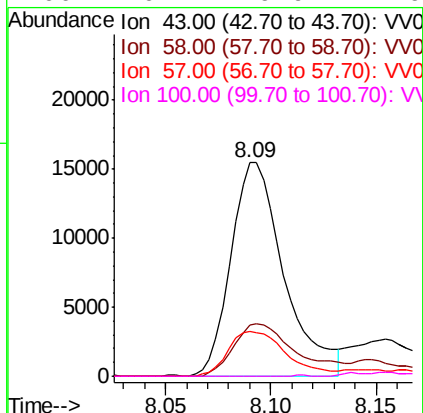
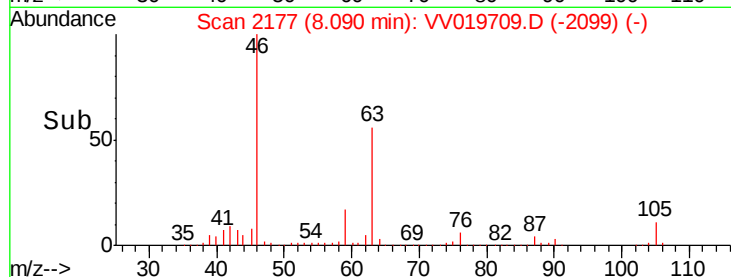
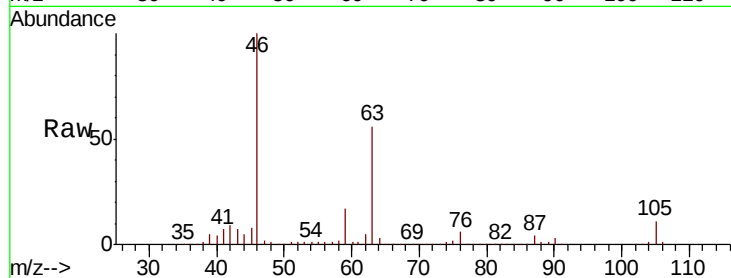




#48
2-Hexanone
Concen: 5.852 ug/L
RT: 8.09 min Scan# 2177
Delta R.T. -0.05 min
Lab File: VV019709.D
Acq: 18 Dec 2020 18:56

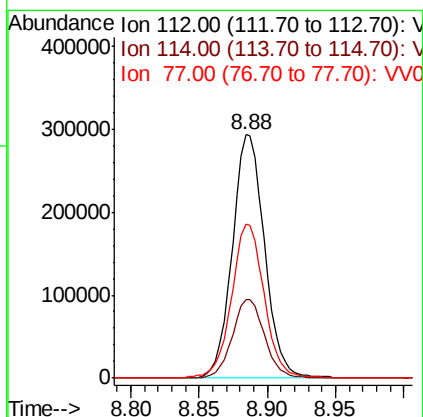
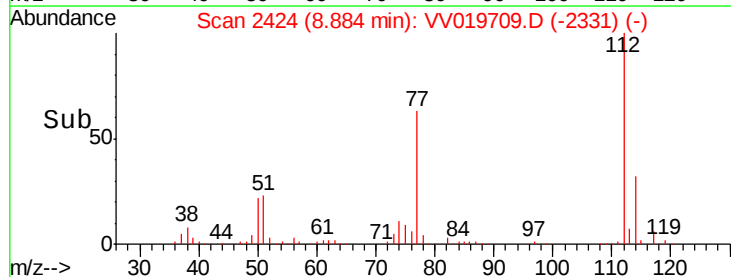
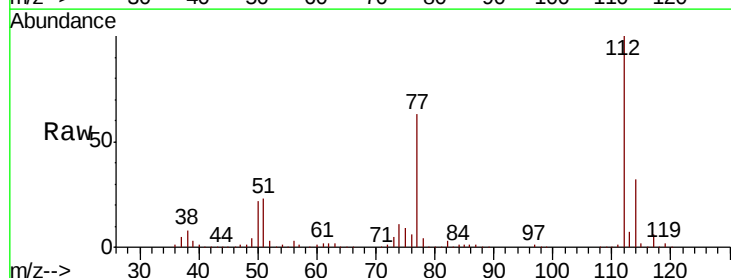
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ClientSampleId :
C0FX1DL

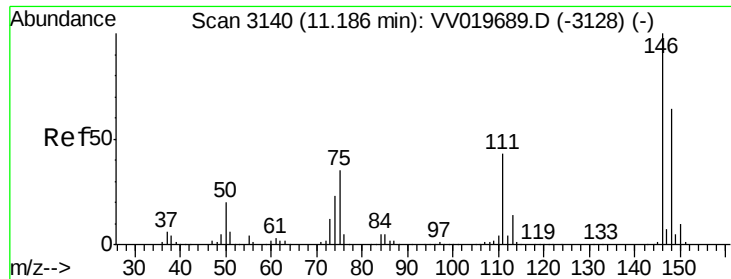
Tot Ion: 43 Resp: 27172
Ion Ratio Lower Upper
43 100
58 29.1 44.4 66.6#
57 23.0 15.7 23.5
100 0.1 9.9 14.9#



#51
Chlorobenzene
Concen: 44.003 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019709.D
Acq: 18 Dec 2020 18:56

Tgt Ion: 112 Resp: 481075
Ion Ratio Lower Upper
112 100
114 32.5 22.2 41.2
77 63.3 50.6 75.8





#62

1,3-Dichlorobenzene

Concen: 3.209 ug/L

RT: 11.19 min Scan# 3141

Delta R.T. 0.00 min

Lab File: VV019709.D

Acq: 18 Dec 2020 18:56

Instrument :

MSVOA_V

ClientSampled :

C0FX1DL

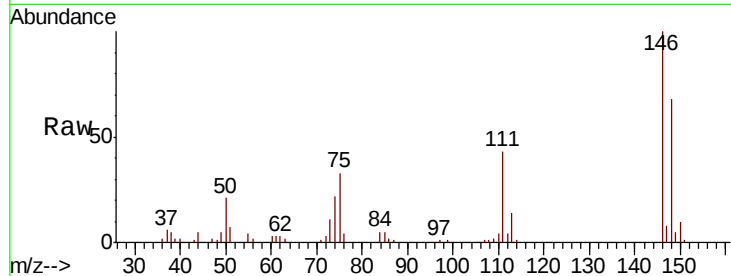
Tot Ion:146 Resp: 25294

Ion Ratio Lower Upper

146 100

111 43.1 30.7 57.1

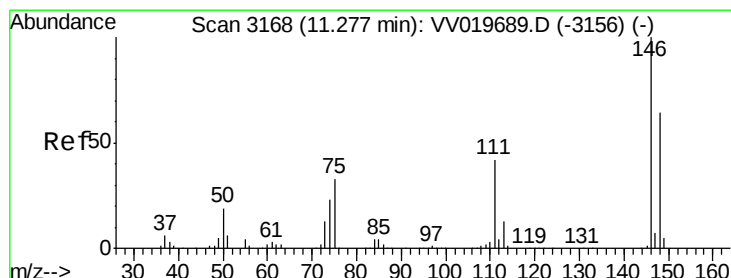
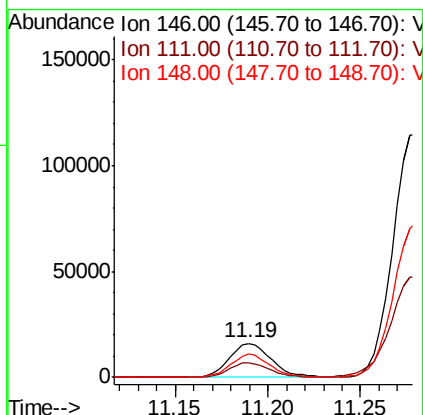
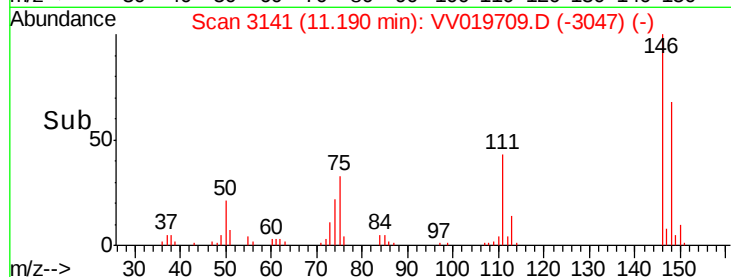
148 67.6 45.3 84.1



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: 22.815 ug/L

RT: 11.28 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VV019709.D

Acq: 18 Dec 2020 18:56

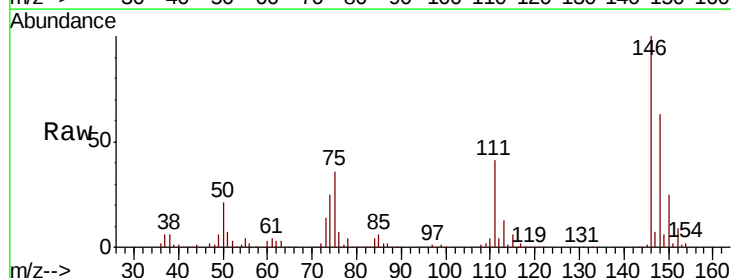
Tgt Ion:146 Resp: 182072

Ion Ratio Lower Upper

146 100

111 41.0 29.8 55.4

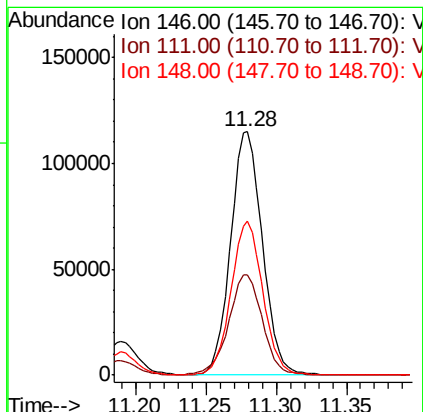
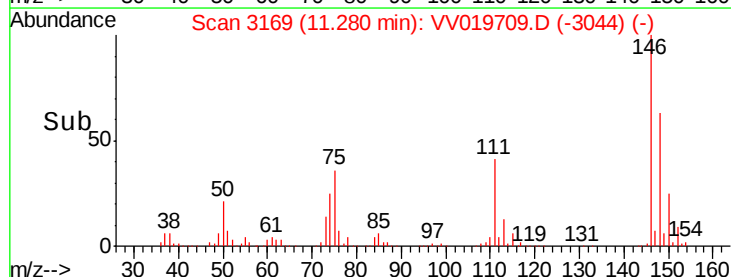
148 63.1 44.2 82.0

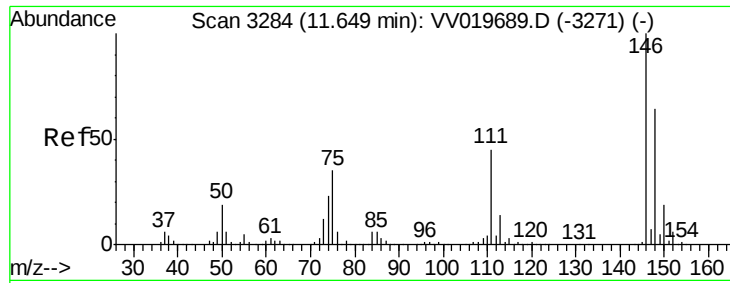


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

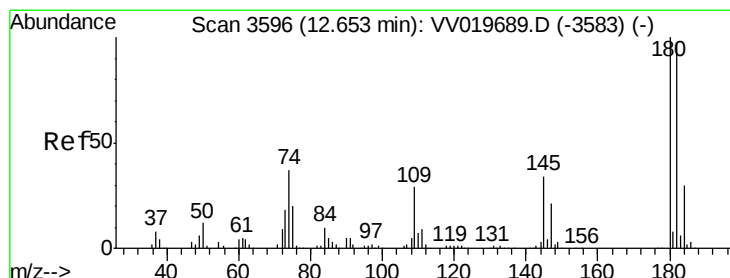
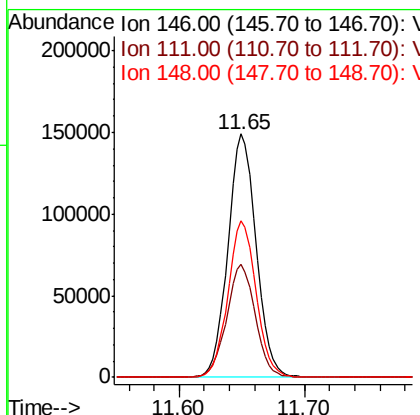
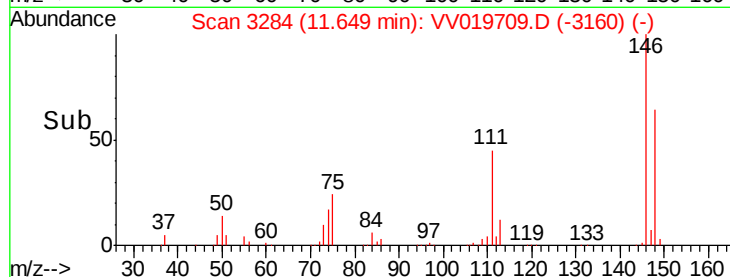
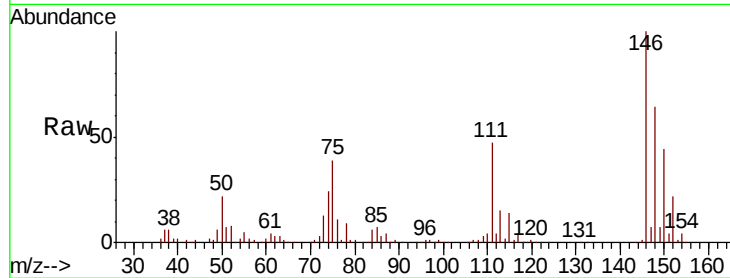




#65
 1,2-Dichlorobenzene
 Concen: 29.834 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VV019709.D
 Acq: 18 Dec 2020 18:56

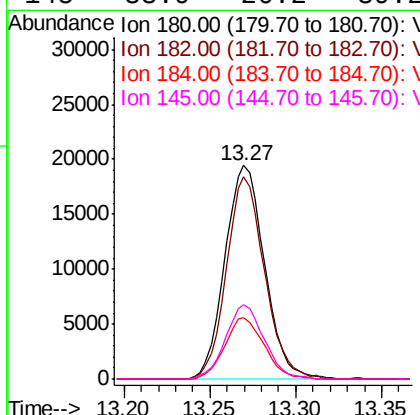
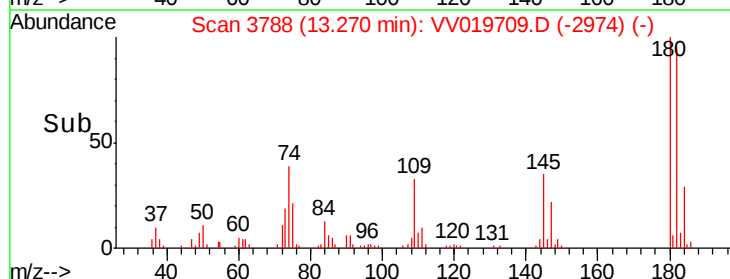
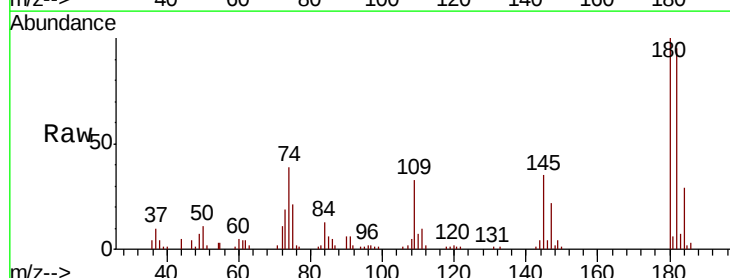
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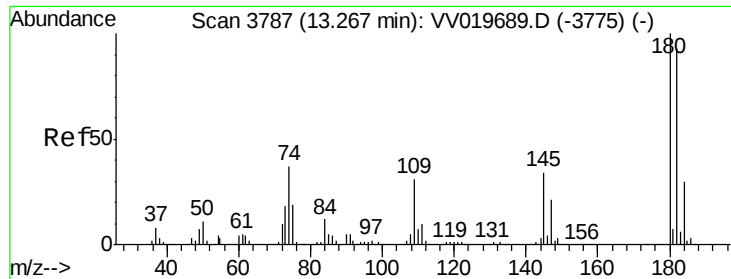
Tot Ion:146 Resp: 232329
 Ion Ratio Lower Upper
 146 100
 111 46.5 36.6 55.0
 148 64.2 50.7 76.1



#67
 1,3,5-Trichlorobenzene
 Concen: 5.609 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.62 min
 Lab File: VV019709.D
 Acq: 18 Dec 2020 18:56

Tgt Ion:180 Resp: 31230
 Ion Ratio Lower Upper
 180 100
 182 90.6 75.8 113.6
 184 28.3 23.9 35.9
 145 33.9 26.2 39.2

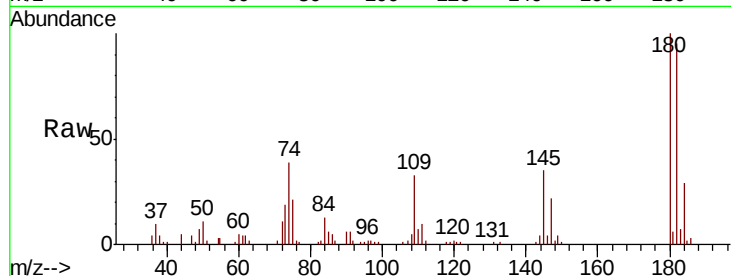




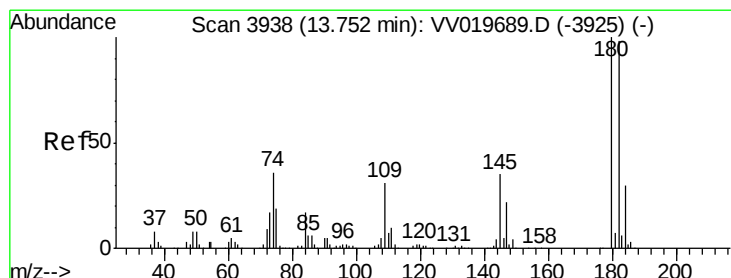
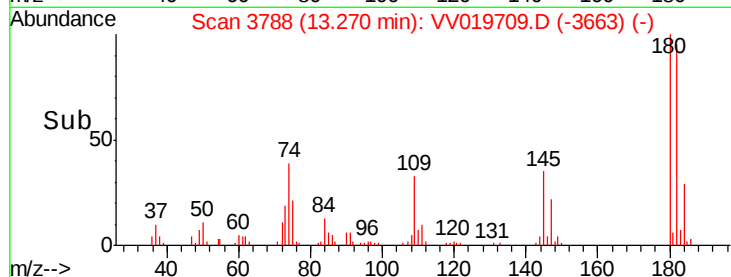
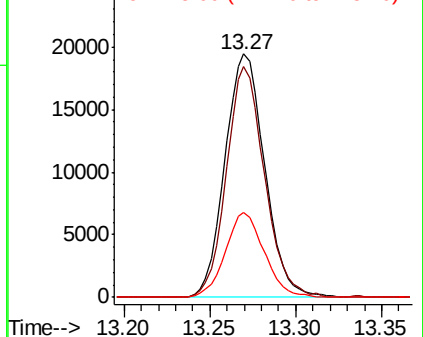
#68
 1,2,4-trichlorobenzene
 Concen: 5.999 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019709.D
 Acq: 18 Dec 2020 18:56

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FX1DL

Tot Ion:180 Resp: 31230
 Ion Ratio Lower Upper
 180 100
 182 90.6 76.5 114.7
 145 33.9 27.0 40.6

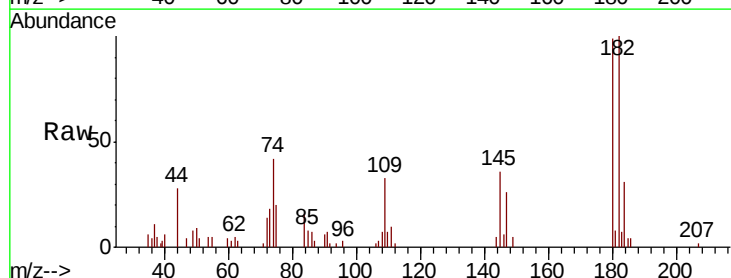


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.545 ug/L
 RT: 13.75 min Scan# 3938
 Delta R.T. -0.00 min
 Lab File: VV019709.D
 Acq: 18 Dec 2020 18:56

Tgt Ion:180 Resp: 7861
 Ion Ratio Lower Upper
 180 100
 182 97.1 75.8 113.6
 145 36.3 29.1 43.7



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

