

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018819.D
 Acq On : 09 Oct 2020 15:13
 Operator : SY/MD
 Sample : L4239-16 4X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3R9

Quant Time: Oct 09 23:54:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 23:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	318488	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	324069	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	154174	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	115609	39.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.90%
7) Chloroethane-d5	1.58	69	102136	43.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.70%
11) 1,1-Dichloroethene-d2	2.12	63	184107	33.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.00%
21) 2-Butanone-d5	3.90	46	172837	97.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.27%
24) Chloroform-d	4.37	84	229940	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.08%
26) 1,2-Dichloroethane-d4	5.05	65	160473	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.74%
32) Benzene-d6	5.07	84	440946	42.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.56%
36) 1,2-Dichloropropane-d6	6.09	67	153054	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.02%
41) Toluene-d8	7.34	98	395934	42.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.54%
43) trans-1,3-Dichloropropene-	7.64	79	69896	42.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.10%
47) 2-Hexanone-d5	8.11	63	97844	82.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.09%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	161845	41.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	169866	49.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.56%

Target Compounds

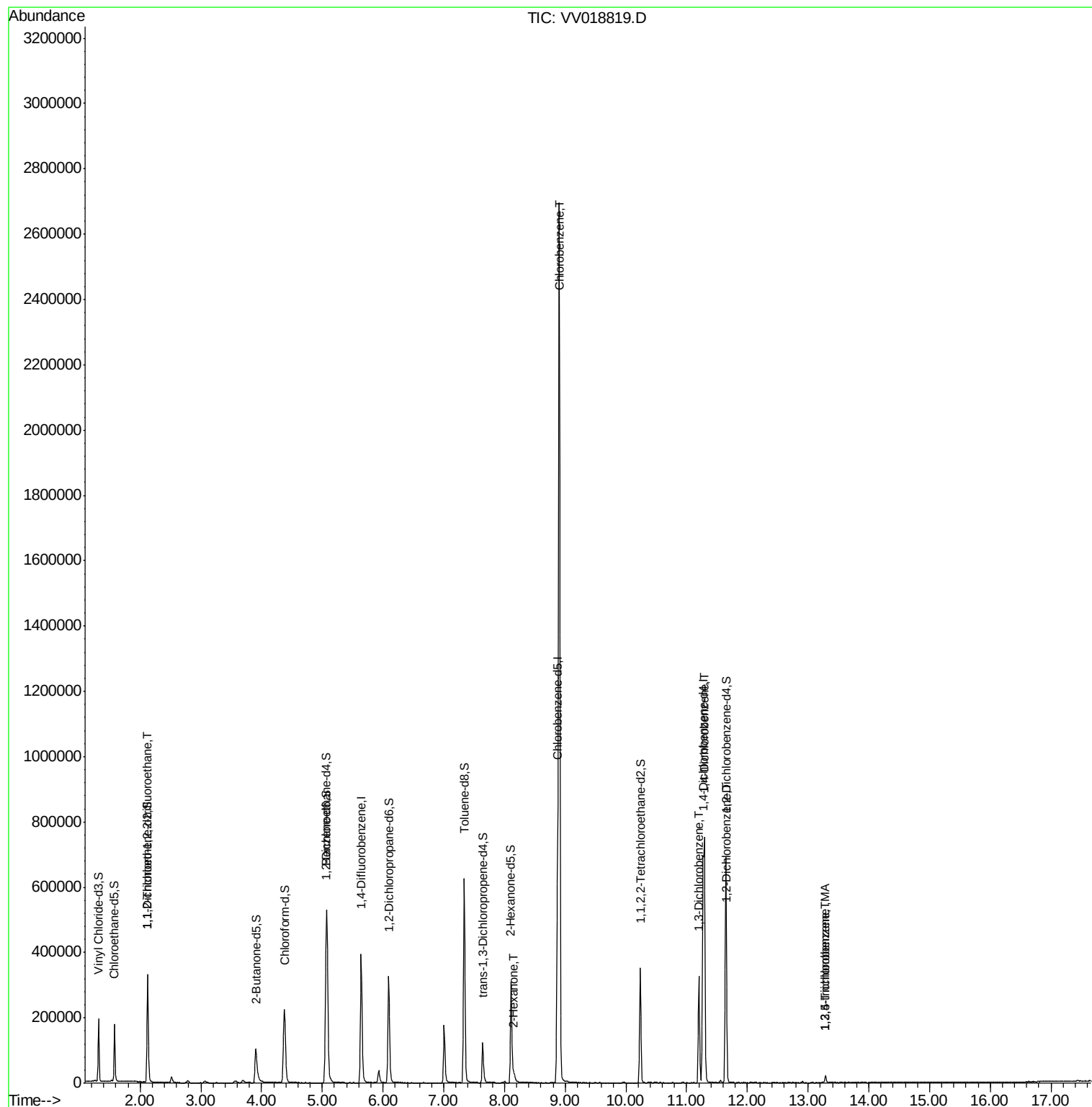
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1511	0.660	ug/L #	19
48) 2-Hexanone	8.16	43	14501	5.005	ug/L #	84
51) Chlorobenzene	8.90	112	1299546	185.412	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	124394	24.748	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	263172	50.333	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	3511	0.696	ug/L #	81
67) 1,3,5-Trichlorobenzene	13.29	180	6874	2.111	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	6874	2.245	ug/L	96

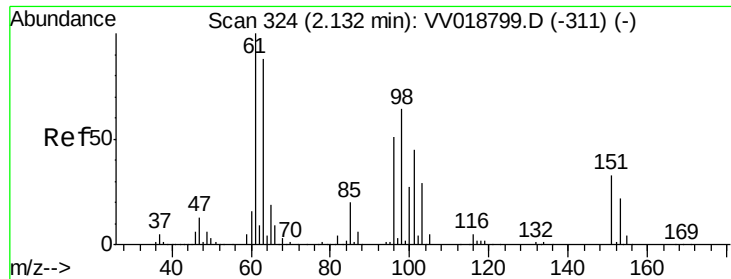
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100920\
Data File : VV018819.D
Acq On : 09 Oct 2020 15:13
Operator : SY/MD
Sample : L4239-16 4X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BG3R9

Quant Time: Oct 09 23:54:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 09 23:43:53 2020
Response via : Initial Calibration





#10

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

Concen: 0.660 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018819.D

Acq: 09 Oct 2020 15:13

Instrument :

MSVOA_V

ClientSampleId :

BG3R9

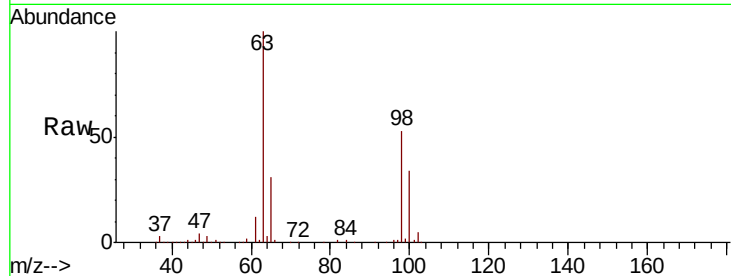
Tot Ion:101 Resp: 1511

Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

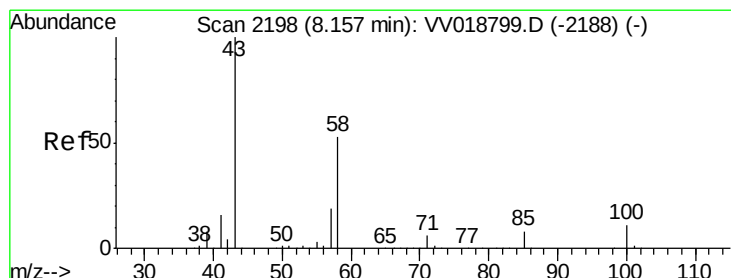
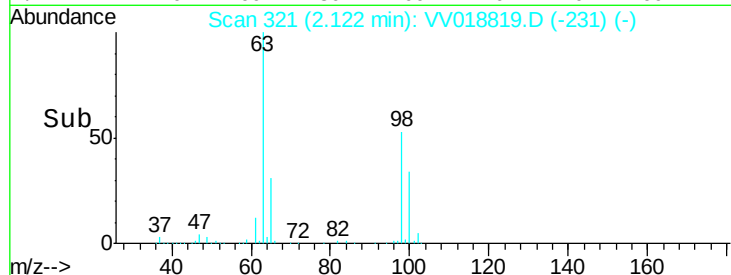
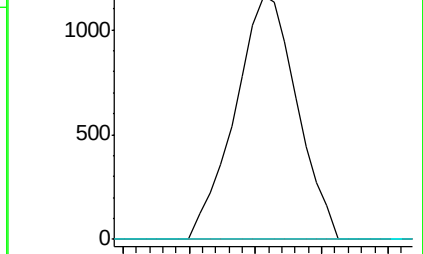
151 0.0 59.8 89.8#



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



#48

2-Hexanone

Concen: 5.005 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018819.D

Acq: 09 Oct 2020 15:13

Tgt Ion: 43 Resp: 14501

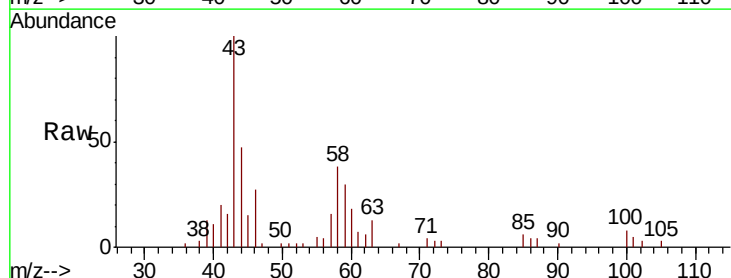
Ion Ratio Lower Upper

43 100

58 37.6 41.8 62.8#

57 17.7 14.9 22.3

100 5.1 9.2 13.8#

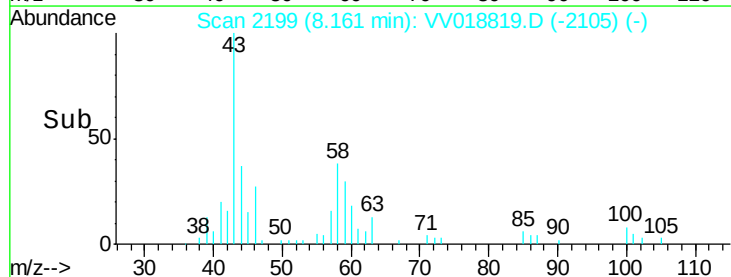
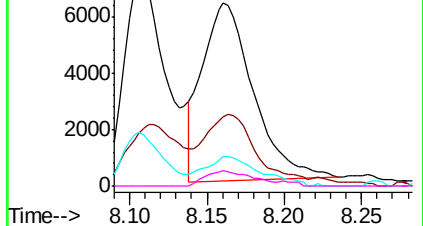


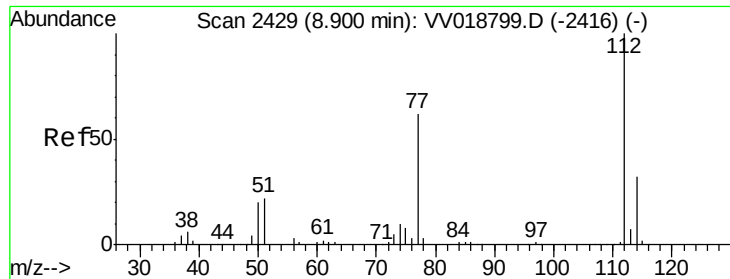
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#51

Chlorobenzene

Concen: 185.412 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV018819.D

Acq: 09 Oct 2020 15:13

Instrument :

MSVOA_V

ClientSampleId :

BG3R9

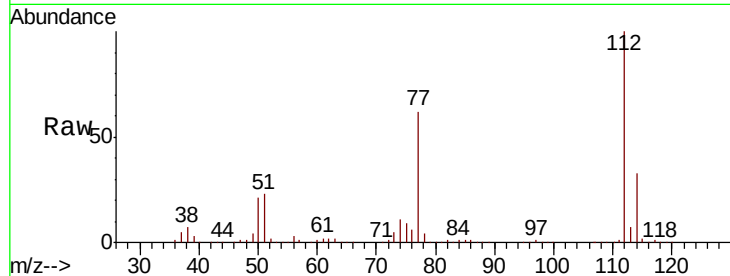
Tot Ion:112 Resp: 1299546

Ion Ratio Lower Upper

112 100

114 32.6 22.0 41.0

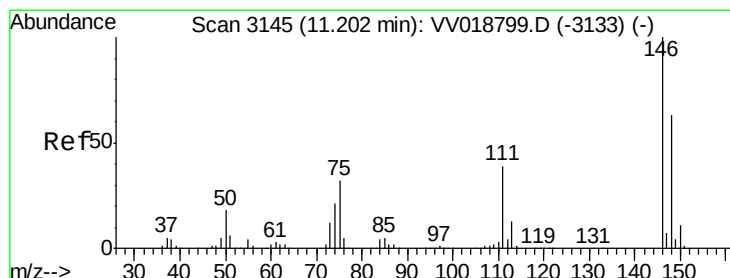
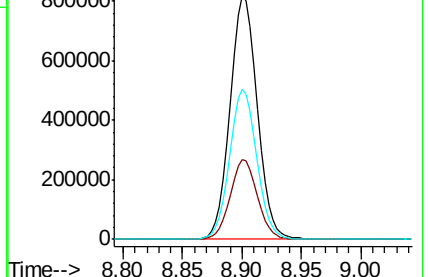
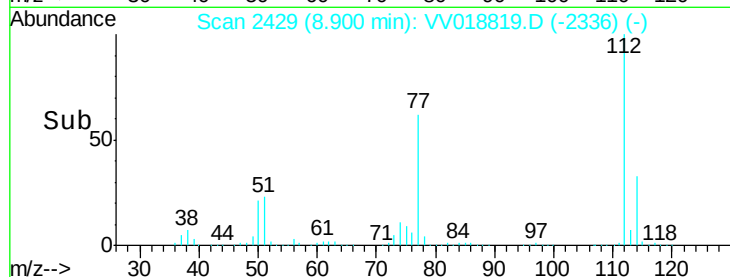
77 61.9 49.8 74.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 24.748 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018819.D

Acq: 09 Oct 2020 15:13

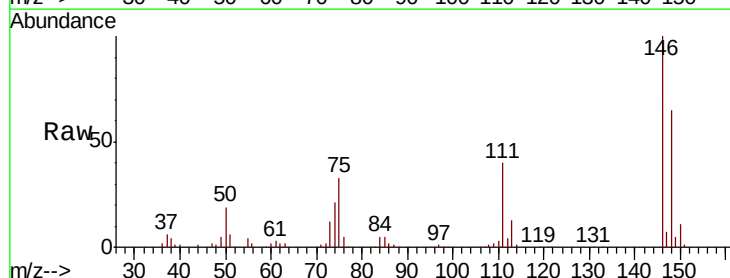
Tgt Ion:146 Resp: 124394

Ion Ratio Lower Upper

146 100

111 40.4 27.8 51.6

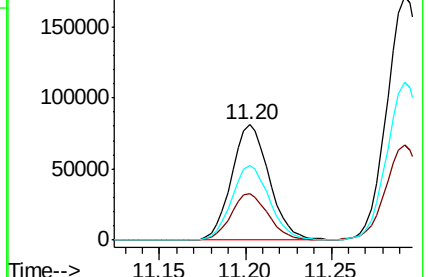
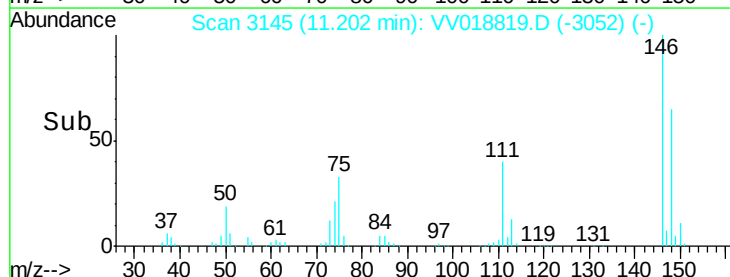
148 64.9 45.4 84.4

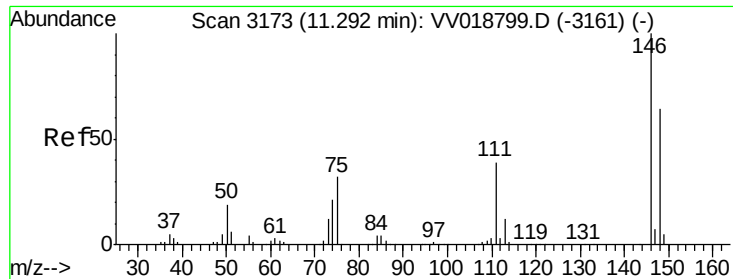


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

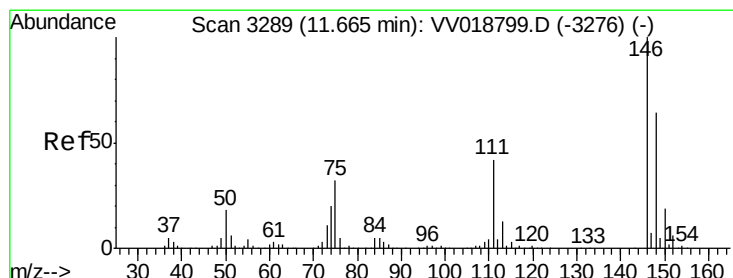
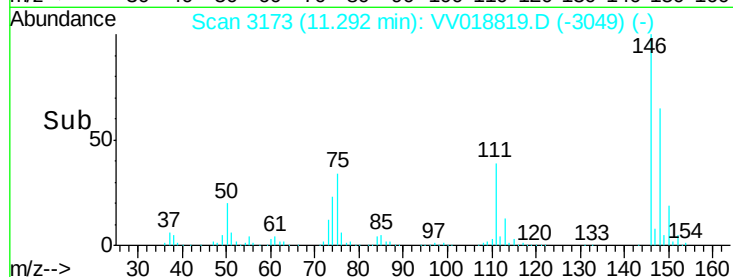
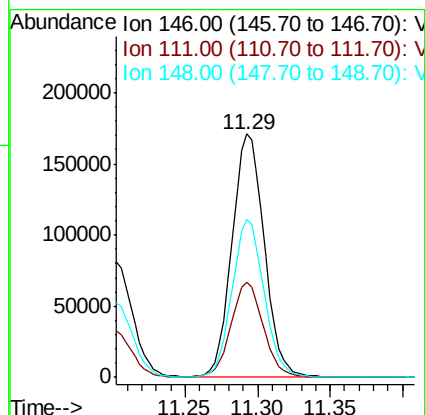
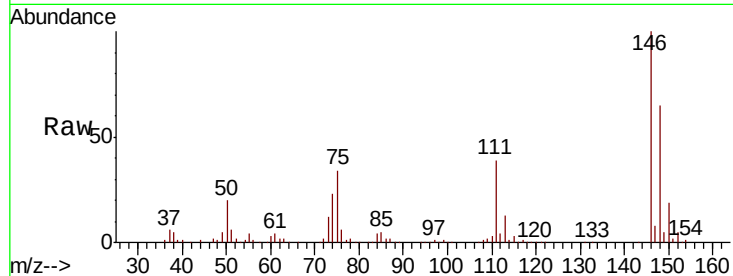




#63
 1,4-Dichlorobenzene
 Concen: 50.333 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018819.D
 Acq: 09 Oct 2020 15:13

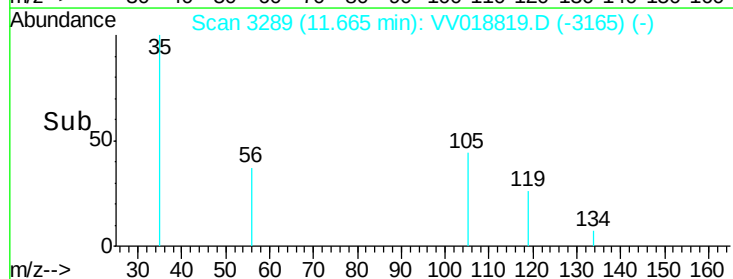
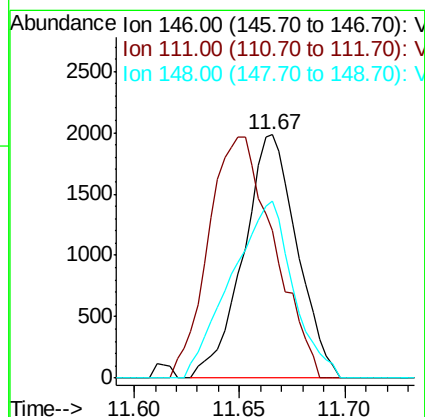
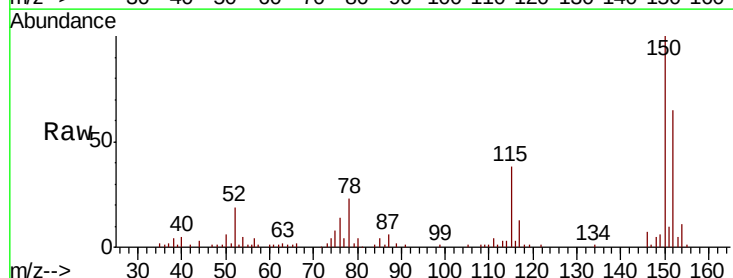
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3R9

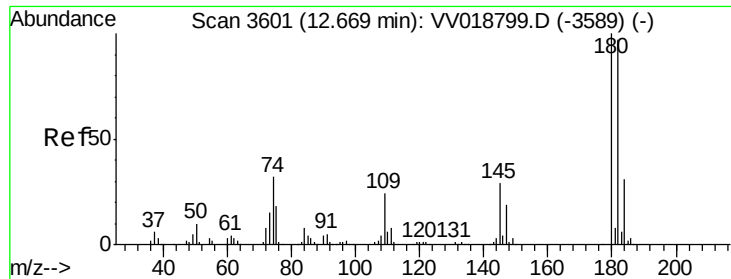
Tot Ion:146 Resp: 263172
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.1 50.3
 148 64.6 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 0.696 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018819.D
 Acq: 09 Oct 2020 15:13

Tgt Ion:146 Resp: 3511
 Ion Ratio Lower Upper
 146 100
 111 60.4 33.8 50.6#
 148 72.6 50.3 75.5

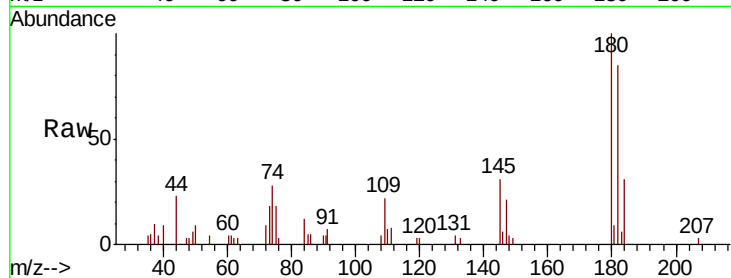




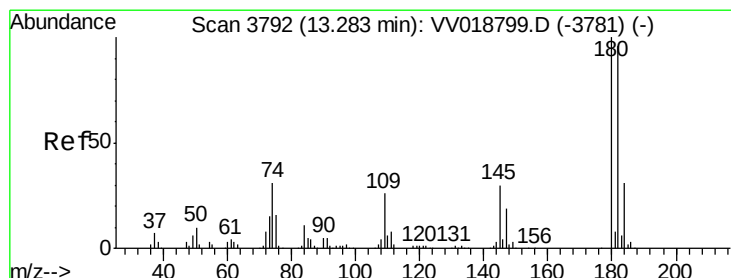
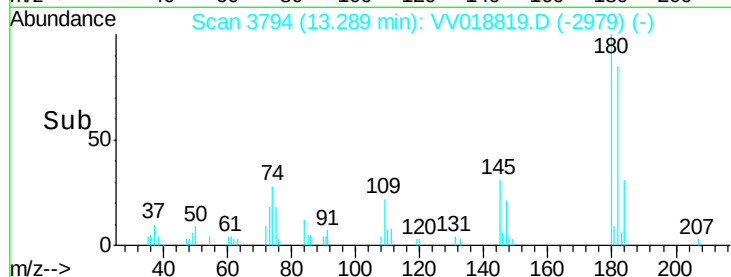
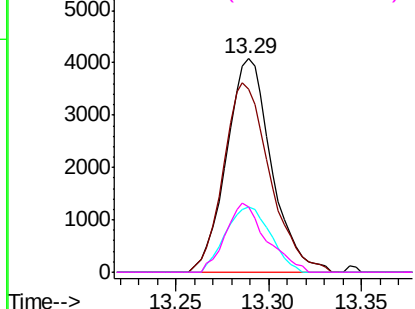
#67
 1,3,5-Trichlorobenzene
 Concen: 2.111 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.62 min
 Lab File: VV018819.D
 Acq: 09 Oct 2020 15:13

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3R9

Tot Ion:180 Resp: 6874
 Ion Ratio Lower Upper
 180 100
 182 91.1 77.0 115.6
 184 30.5 24.6 37.0
 145 29.3 23.4 35.0

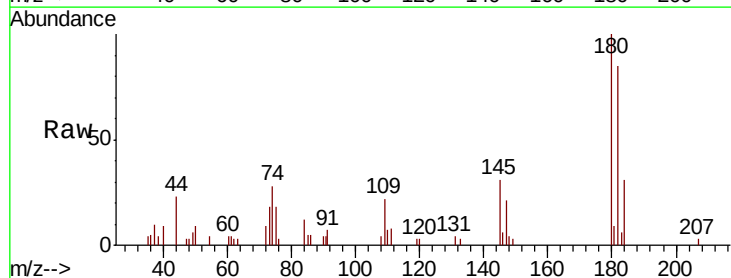


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.245 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018819.D
 Acq: 09 Oct 2020 15:13

Tgt Ion:180 Resp: 6874
 Ion Ratio Lower Upper
 180 100
 182 91.1 76.7 115.1
 145 29.3 24.0 36.0



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

