

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102120\
 Data File : VV019048.D
 Acq On : 21 Oct 2020 14:37
 Operator : SY/MD
 Sample : L4483-05 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH3

Quant Time: Oct 22 06:08:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 06:00:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	296432	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	274669	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	153235	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64972	26.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	53.26%#
7) Chloroethane-d5	1.58	69	66728	34.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.04%#
11) 1,1-Dichloroethene-d2	2.12	63	116513	25.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.58%#
21) 2-Butanone-d5	3.91	46	147304	86.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.61%
24) Chloroform-d	4.38	84	169483	38.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.32%
26) 1,2-Dichloroethane-d4	5.06	65	120504	41.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.82%
32) Benzene-d6	5.08	84	317988	39.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.32%
36) 1,2-Dichloropropane-d6	6.09	67	120034	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.64%
41) Toluene-d8	7.34	98	240949	33.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.00%#
43) trans-1,3-Dichloropropene-	7.64	79	44805	35.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.50%
47) 2-Hexanone-d5	8.11	63	74451	78.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.17%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	124139	41.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	123864	39.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.46%#

Target Compounds

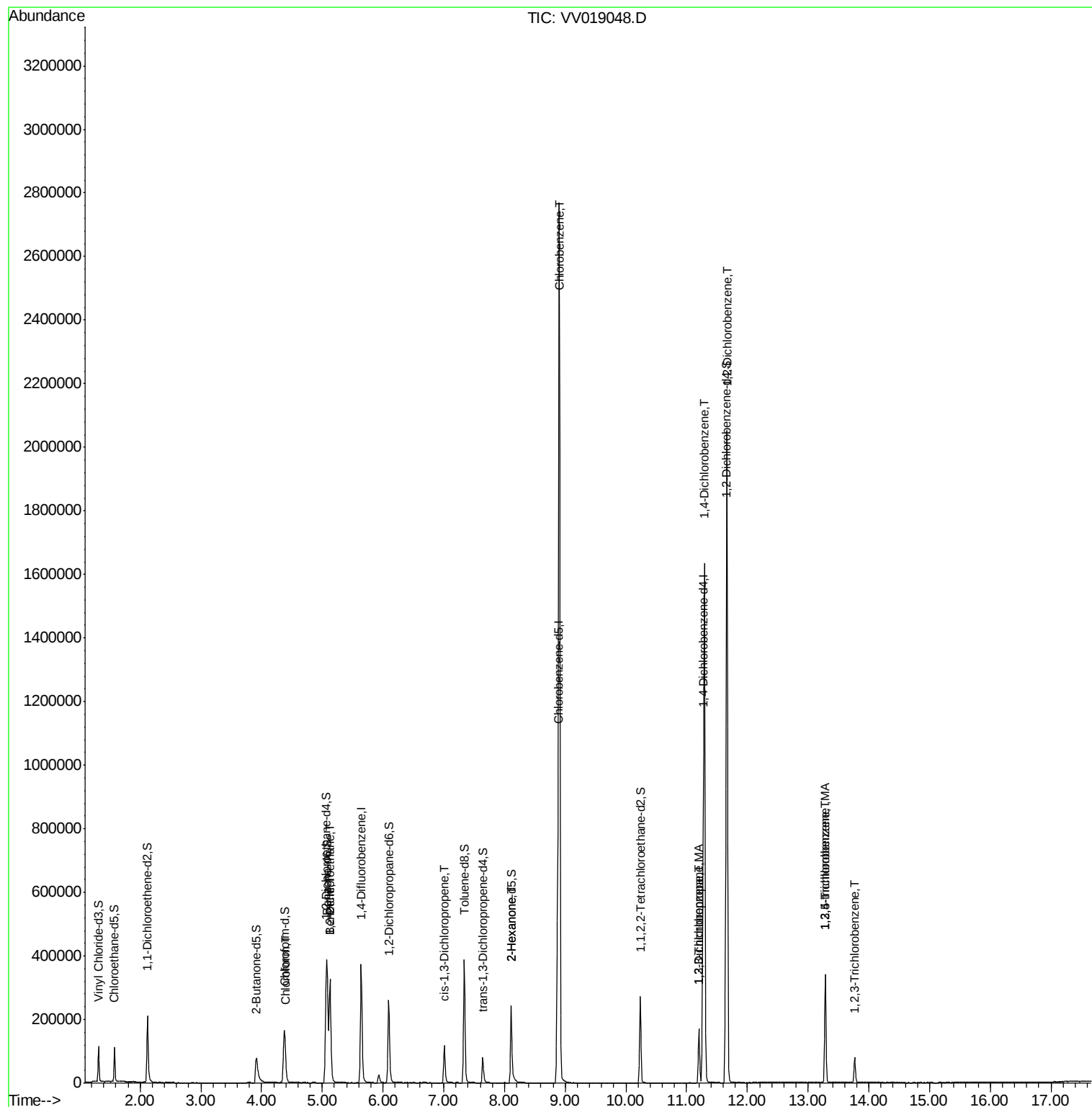
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.40	83	6939	1.640	ug/L	91
27) 1,2-Dichloroethane	5.13	62	3302	0.955	ug/L #	76
33) Benzene	5.13	78	310253	36.848	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	2882	0.851	ug/L #	62
48) 2-Hexanone	8.11	43	10939	4.439	ug/L #	74
51) Chlorobenzene	8.90	112	1335167	235.498	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	21304	7.808	ug/L #	43
62) 1,3-Dichlorobenzene	11.20	146	66132	13.921	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	578882	115.908	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	736246	153.616	ug/L	99
67) 1,3,5-Trichlorobenzene	13.28	180	98944	31.007	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	98944	33.650	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	24113	8.204	ug/L	96

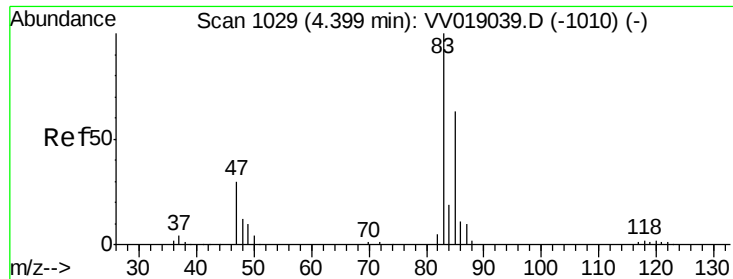
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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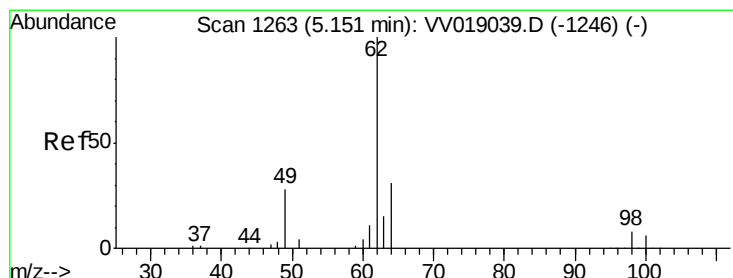
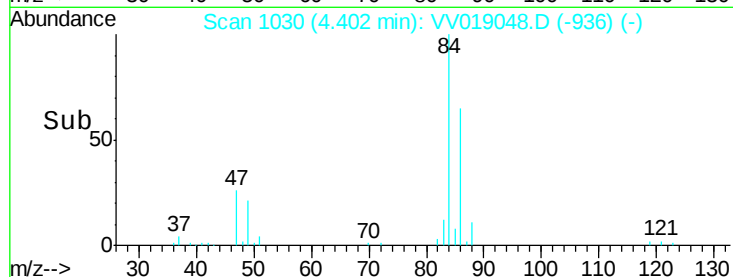
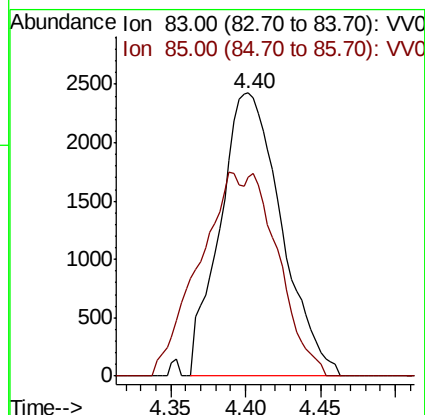
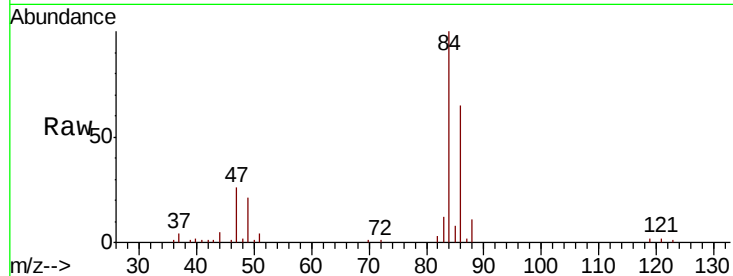




#25
Chloroform
Concen: 1.640 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019048.D
Acq: 21 Oct 2020 14:37

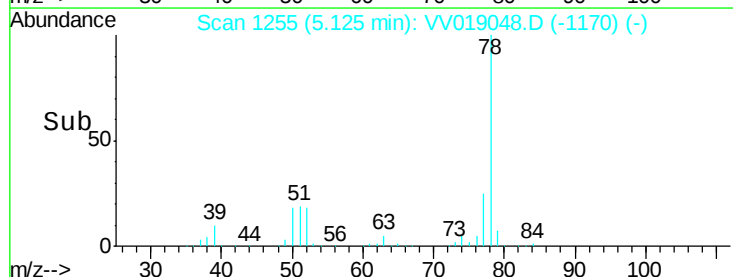
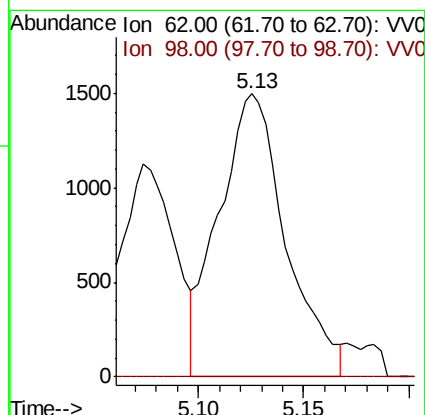
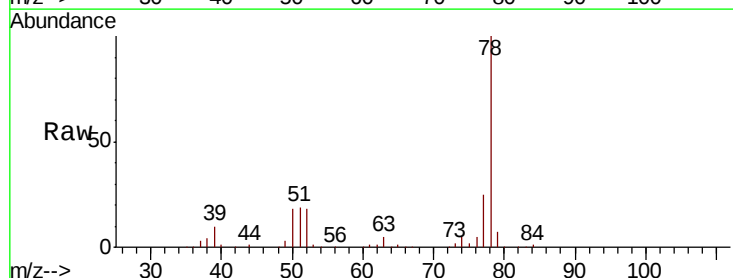
Instrument :
MSVOA_V
ClientSampled :
C0FH3

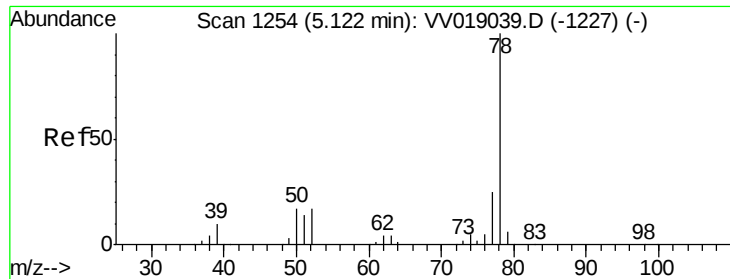
Tot Ion: 83 Resp: 6939
Ion Ratio Lower Upper
83 100
85 70.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.955 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.03 min
Lab File: VV019048.D
Acq: 21 Oct 2020 14:37

Tgt Ion: 62 Resp: 3302
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.6#





#33

Benzene

Concen: 36.848 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV019048.D

Acq: 21 Oct 2020 14:37

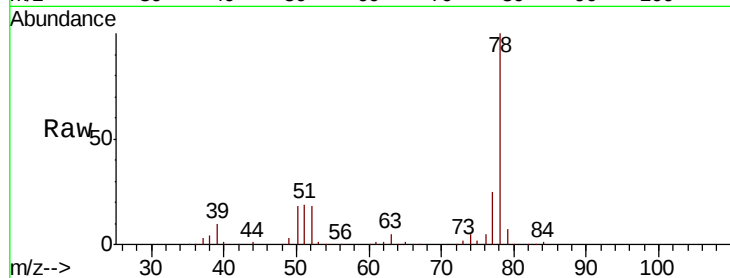
Instrument :

MSVOA_V

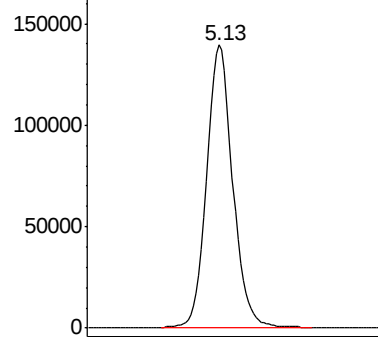
ClientSampleId :

C0FH3

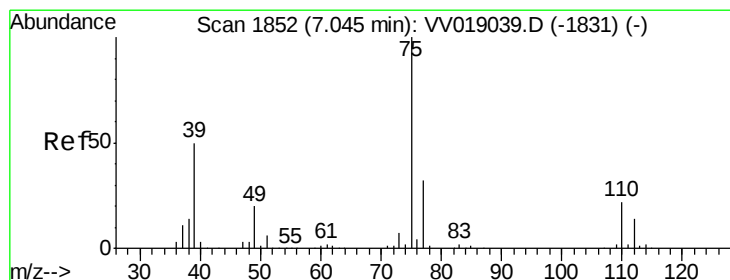
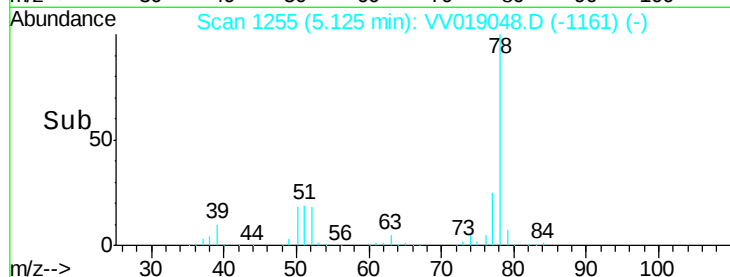
Tgt Ion: 78 Resp: 310253



Abundance Ion 78.00 (77.70 to 78.70): VV0



Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.851 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV019048.D

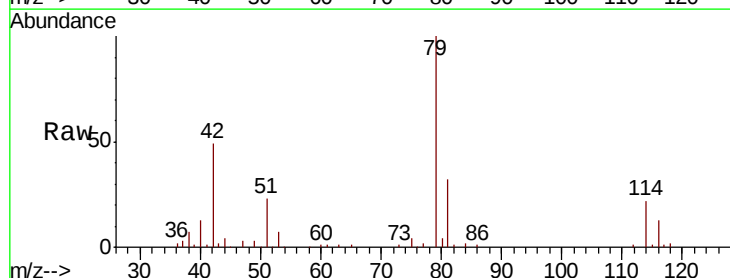
Acq: 21 Oct 2020 14:37

Tgt Ion: 75 Resp: 2882

Ion Ratio Lower Upper

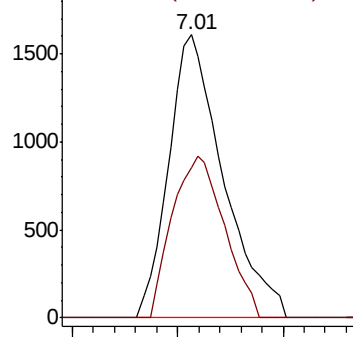
75 100

77 53.3 22.5 41.9#

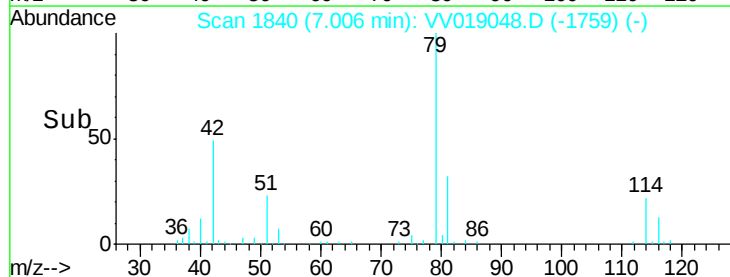


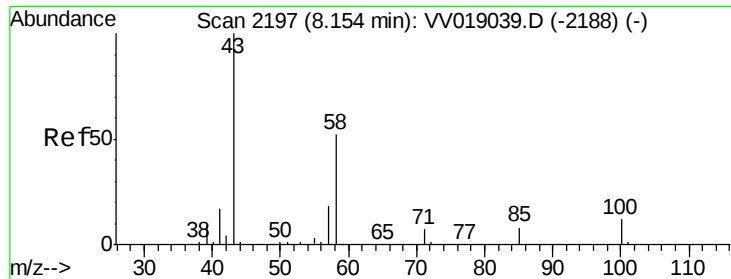
Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



Time-->

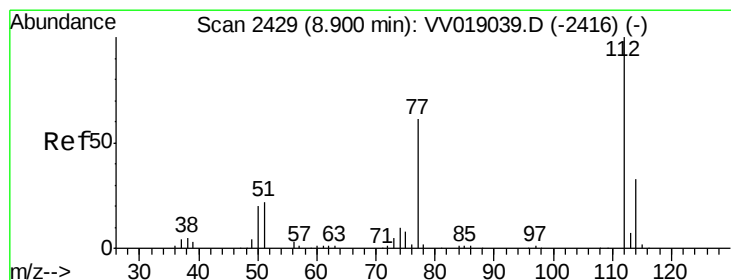
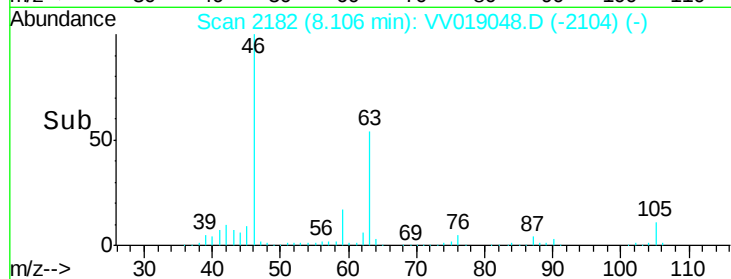
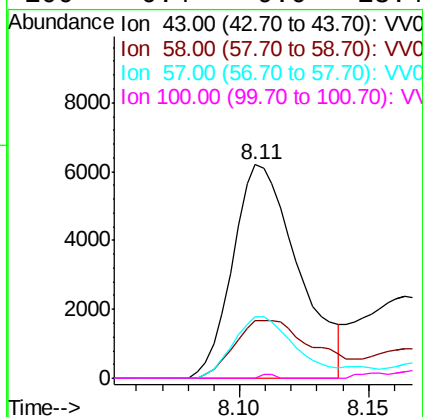
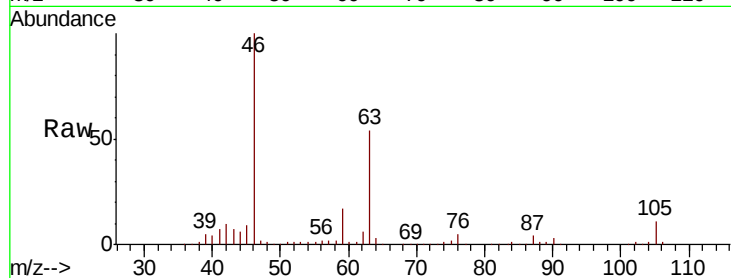




#48
2-Hexanone
Concen: 4.439 ug/L
RT: 8.11 min Scan# 2182
Delta R.T. -0.05 min
Lab File: VV019048.D
Acq: 21 Oct 2020 14:37

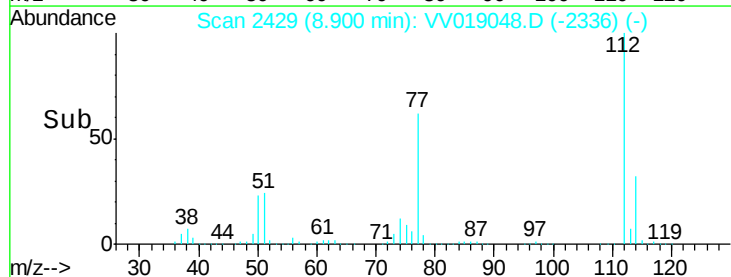
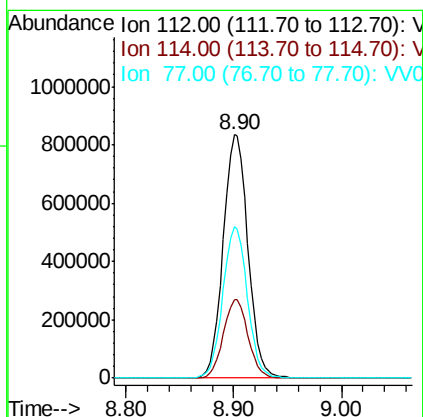
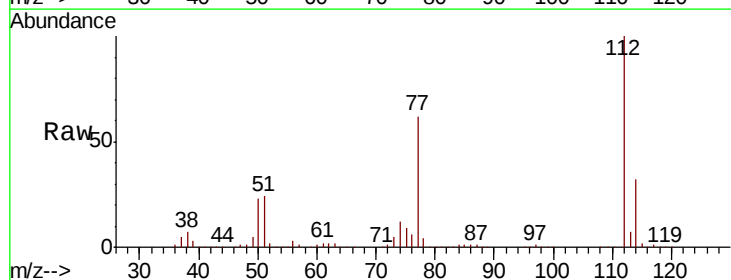
Instrument :
MSVOA_V
ClientSampleId :
C0FH3

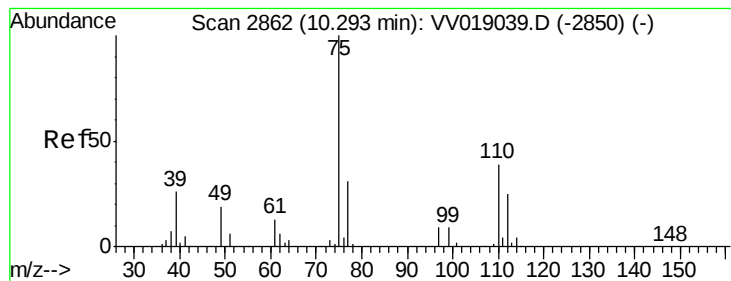
Tot Ion: 43 Resp: 10939
Ion Ratio Lower Upper
43 100
58 33.6 42.5 63.7#
57 27.4 14.5 21.7#
100 0.4 9.0 13.4#



#51
Chlorobenzene
Concen: 235.498 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV019048.D
Acq: 21 Oct 2020 14:37

Tgt Ion: 112 Resp: 1335167
Ion Ratio Lower Upper
112 100
114 32.1 21.8 40.6
77 62.1 49.2 73.8





#59

1,2,3-Trichloropropane

Concen: 7.808 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV019048.D

Acq: 21 Oct 2020 14:37

Instrument :

MSVOA_V

ClientSampleId :

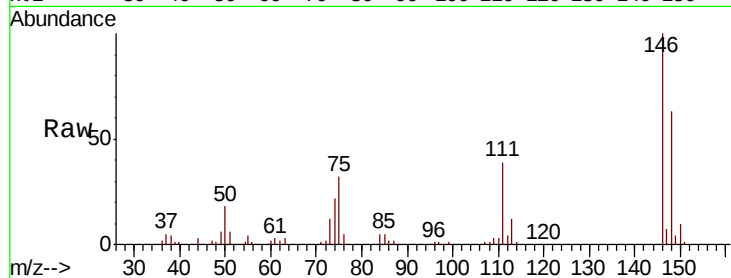
C0FH3

Tot Ion: 75 Resp: 21304

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VV019039.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019039.D (-2850) (-)

50000

40000

30000

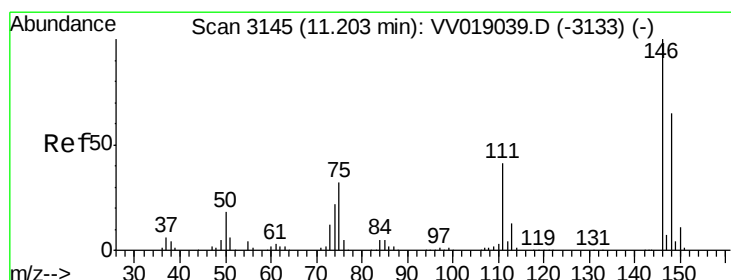
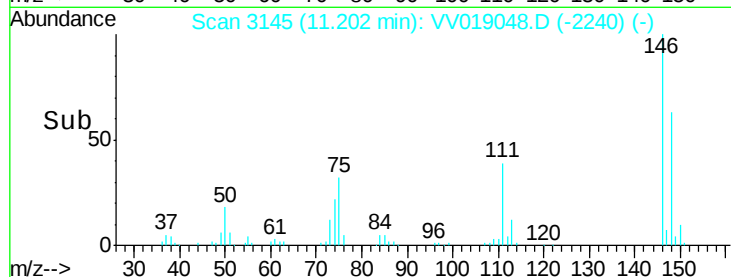
20000

10000

0

Time-->

11.15 11.20 11.25



#62

1,3-Dichlorobenzene

Concen: 13.921 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019048.D

Acq: 21 Oct 2020 14:37

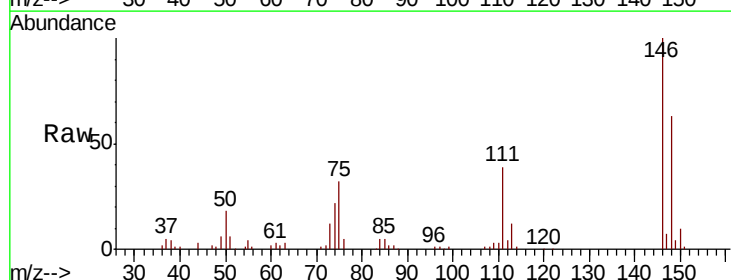
Tgt Ion: 146 Resp: 66132

Ion Ratio Lower Upper

146 100

111 39.0 28.3 52.7

148 62.9 45.1 83.7



Abundance Ion 146.00 (145.70 to 146.70): VV019039.D (-3133) (-)

Ion 111.00 (110.70 to 111.70): VV019039.D (-3133) (-)

Ion 148.00 (147.70 to 148.70): VV019039.D (-3133) (-)

500000

400000

300000

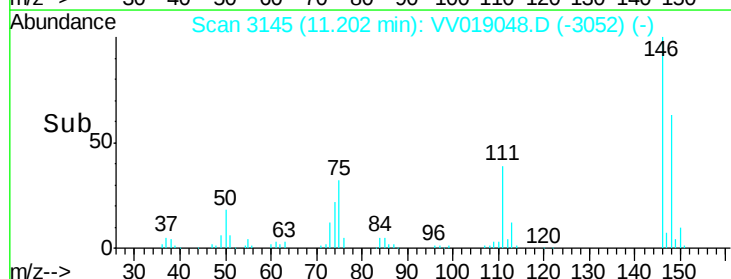
200000

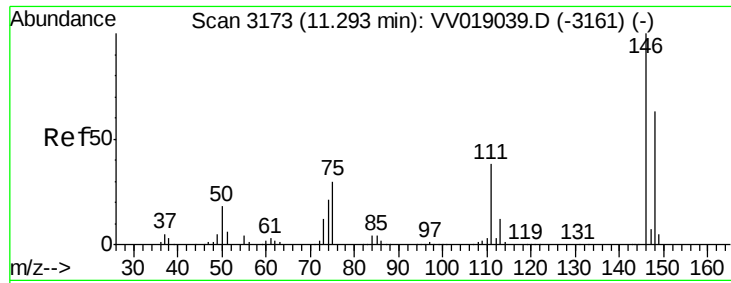
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0

Time-->

11.15 11.20 11.25

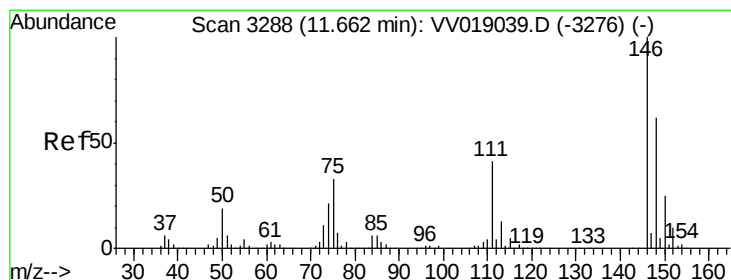
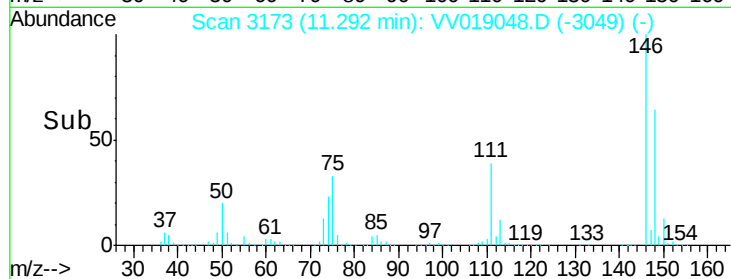
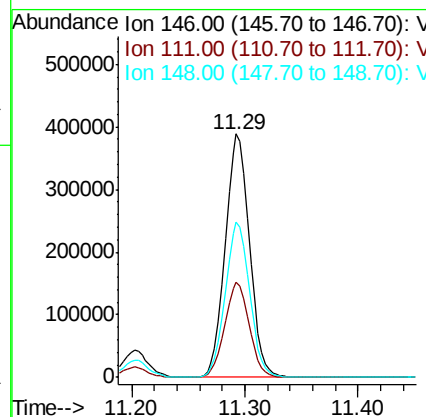
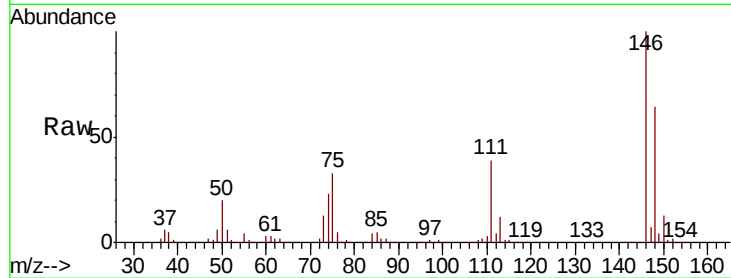




#63
 1,4-Dichlorobenzene
 Concen: 115.908 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019048.D
 Acq: 21 Oct 2020 14:37

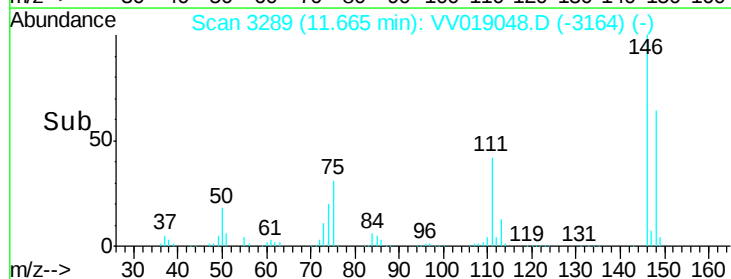
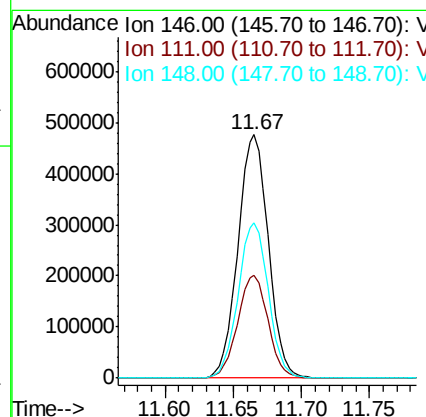
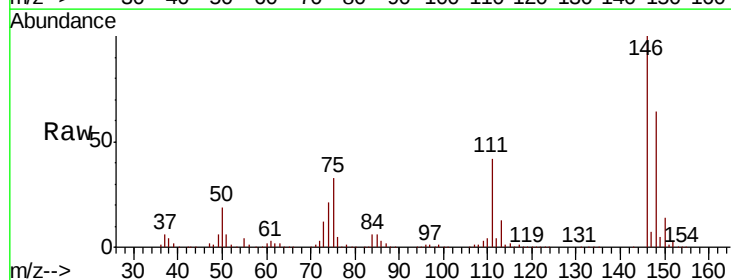
Instrument :
 MSVOA_V
 ClientSampled :
 C0FH3

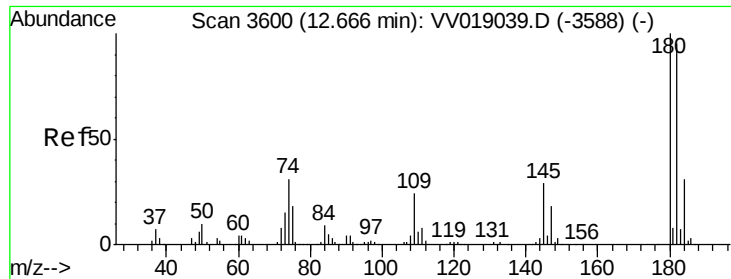
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	27.5	51.1
148	63.9	44.1	81.9



#65
 1,2-Dichlorobenzene
 Concen: 153.616 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV019048.D
 Acq: 21 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	33.9	50.9
148	63.8	49.8	74.8

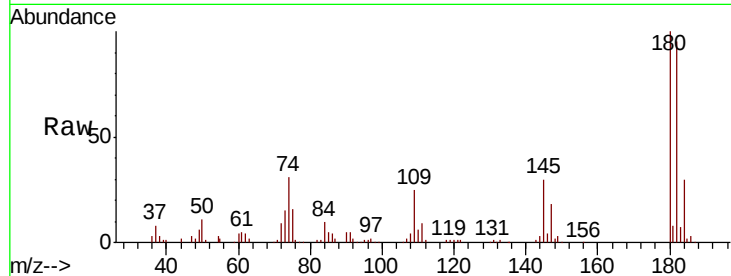




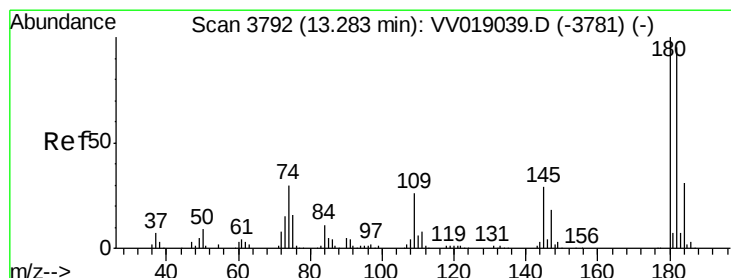
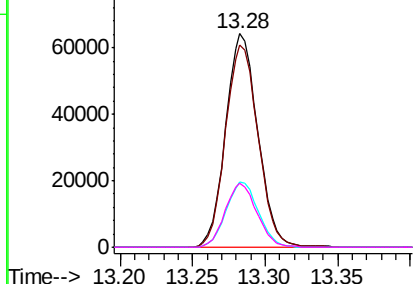
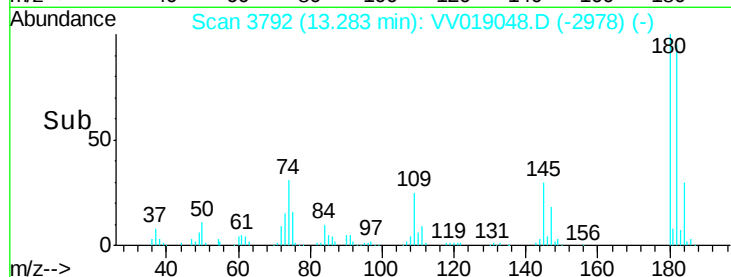
#67
 1,3,5-Trichlorobenzene
 Concen: 31.007 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV019048.D
 Acq: 21 Oct 2020 14:37

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH3

Tot Ion:180 Resp: 98944
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.8 113.8
 184 30.5 24.9 37.3
 145 29.6 23.2 34.8

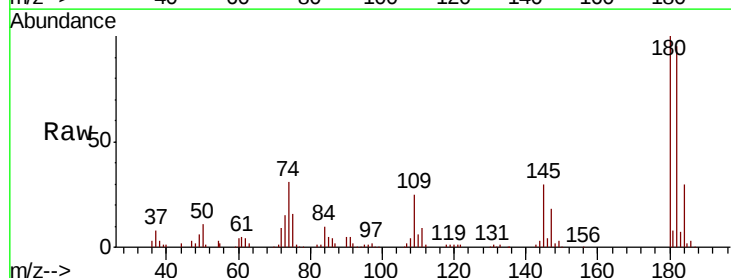


Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

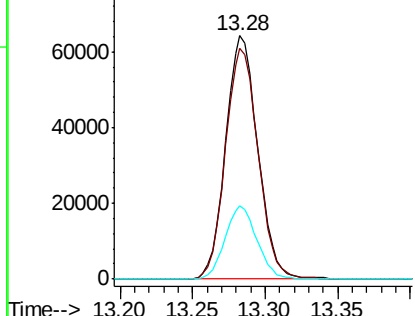
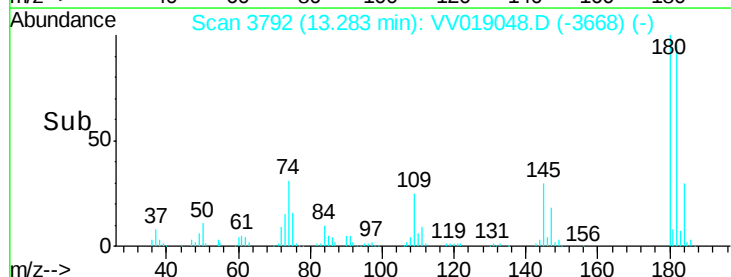


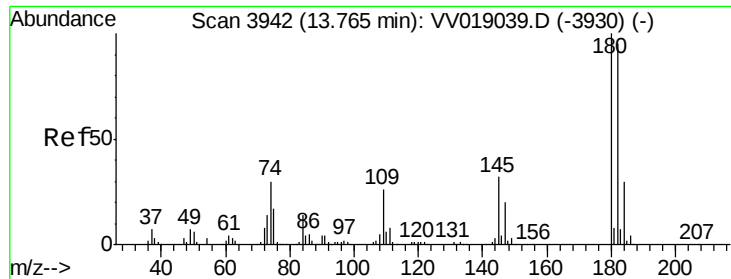
#68
 1,2,4-trichlorobenzene
 Concen: 33.650 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019048.D
 Acq: 21 Oct 2020 14:37

Tgt Ion:180 Resp: 98944
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.5 114.7
 145 29.6 23.7 35.5



Abundance Ion 180.00 (179.70 to 180.70): V
 80000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 8.204 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019048.D
 Acq: 21 Oct 2020 14:37

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH3

Tot Ion	Ion	Ratio	Lower	Upper
24113	180	100		
	182	91.7	76.8	115.2
	145	31.1	25.4	38.0

