

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019074.D
 Acq On : 22 Oct 2020 17:49
 Operator : SY/MD
 Sample : L4483-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH0

Quant Time: Oct 23 06:32:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:54:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	307044	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	299085	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	141841	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	133913	48.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.02%
7) Chloroethane-d5	1.58	69	106973	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.30%
11) 1,1-Dichloroethene-d2	2.12	63	194199	37.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.34%
21) 2-Butanone-d5	3.91	46	176073	93.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.86%
24) Chloroform-d	4.38	84	219437	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	5.06	65	153741	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.74%
32) Benzene-d6	5.07	84	444437	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.16%
36) 1,2-Dichloropropane-d6	6.09	67	144530	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.54%
41) Toluene-d8	7.34	98	387489	47.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.72%
43) trans-1,3-Dichloropropene-	7.64	79	68943	45.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.80%
47) 2-Hexanone-d5	8.11	63	120416	93.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.45%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	179143	45.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	152350	51.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.42%

Target Compounds

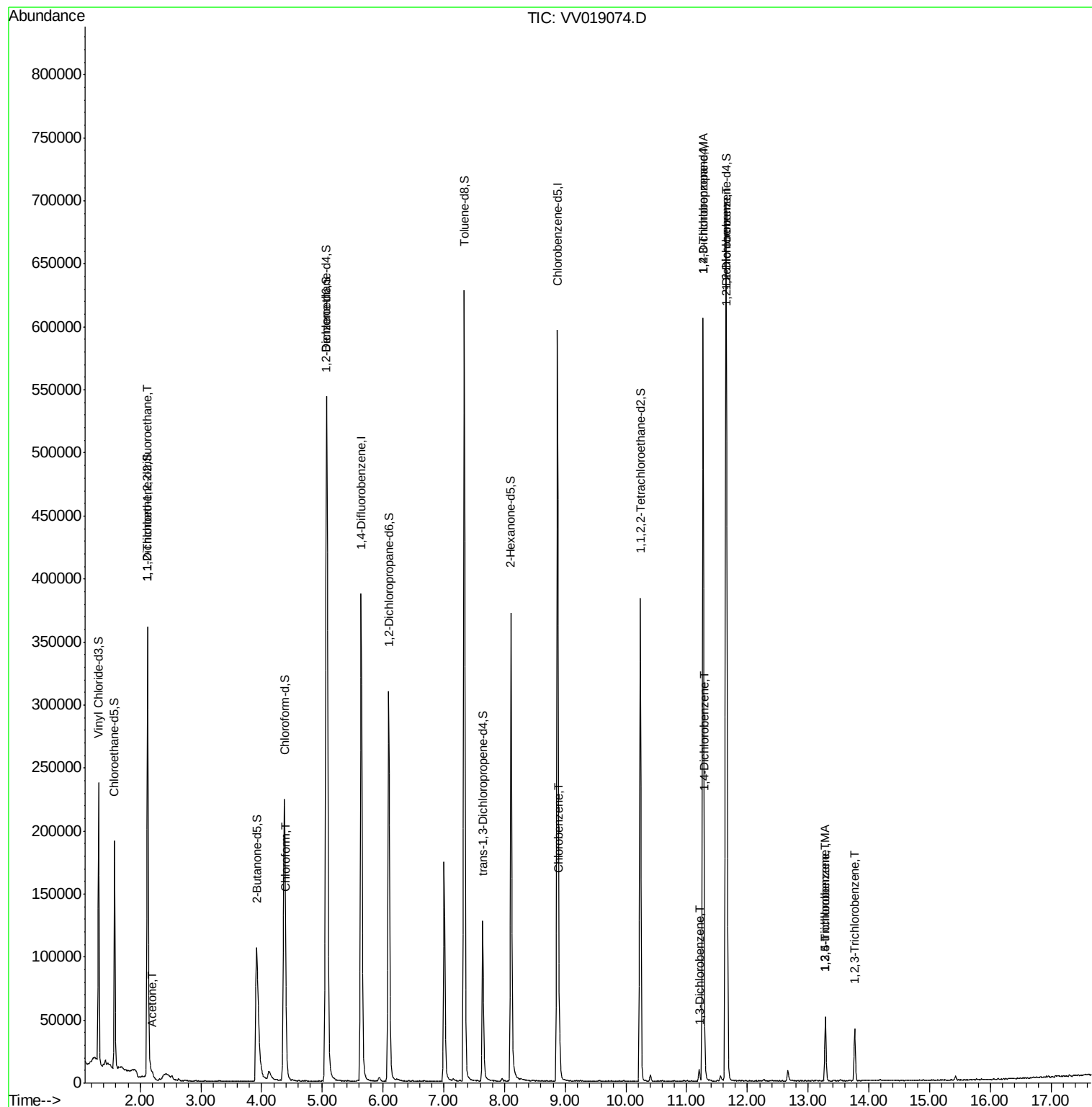
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1787	0.872	ug/L	# 21
13) Acetone	2.20	43	7249	5.701	ug/L	100
25) Chloroform	4.41	83	7083	1.643	ug/L	96
51) Chlorobenzene	8.90	112	17376	2.883	ug/L	97
59) 1,2,3-Trichloropropane	11.27	75	21614	7.333	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	3669	0.862	ug/L	92
63) 1,4-Dichlorobenzene	11.30	146	9459	2.127	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	103254	24.059	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	14704	5.059	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	14704	5.365	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	12542	4.516	ug/L	95

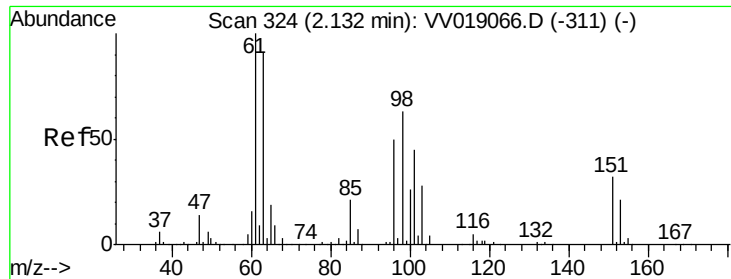
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.872 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV019074.D

Acq: 22 Oct 2020 17:49

Instrument :

MSVOA_V

ClientSampled :

C0FH0

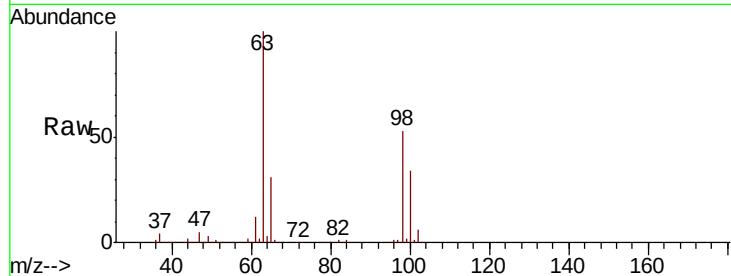
Tot Ion:101 Resp: 1787

Ion Ratio Lower Upper

101 100

85 2.5 36.9 55.3#

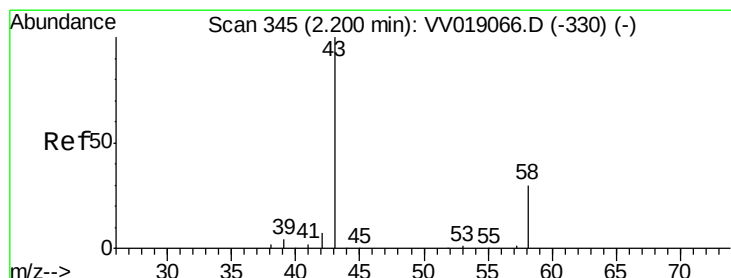
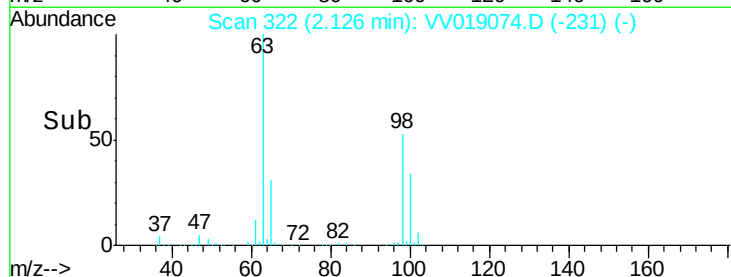
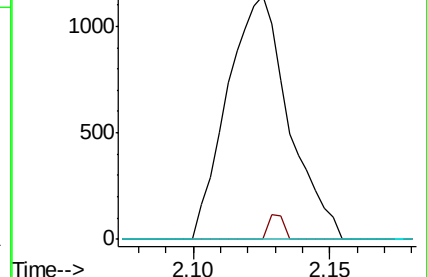
151 0.0 58.2 87.2#



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



#13

Acetone

Concen: 5.701 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV019074.D

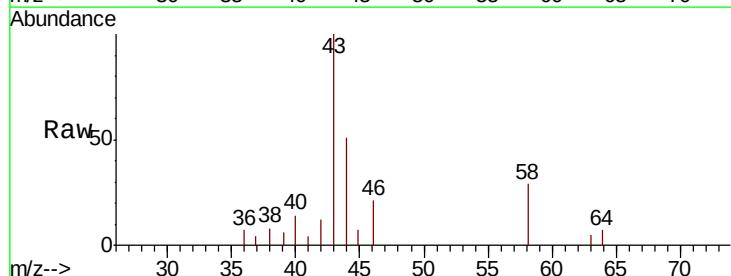
Acq: 22 Oct 2020 17:49

Tgt Ion: 43 Resp: 7249

Ion Ratio Lower Upper

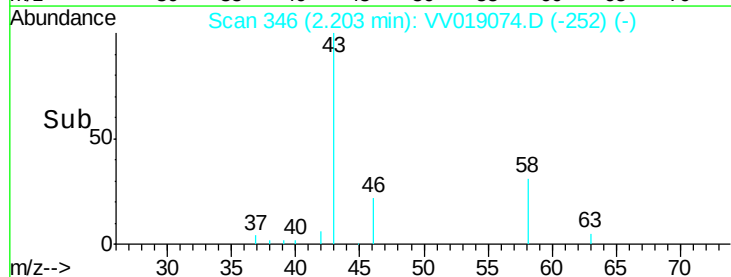
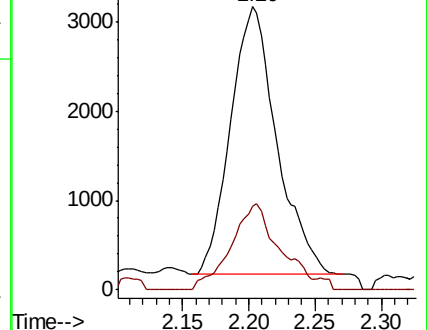
43 100

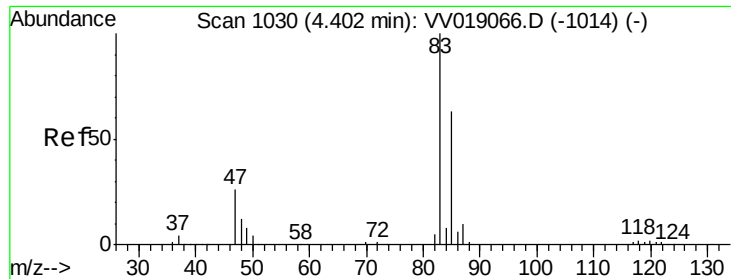
58 30.2 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

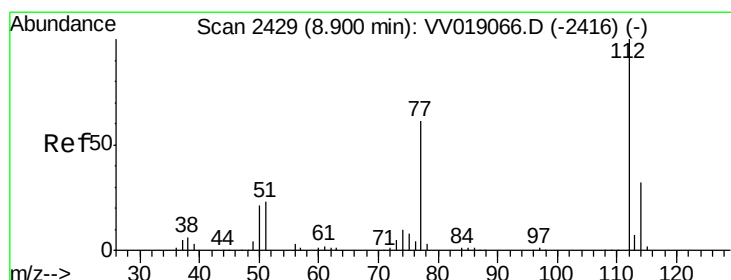
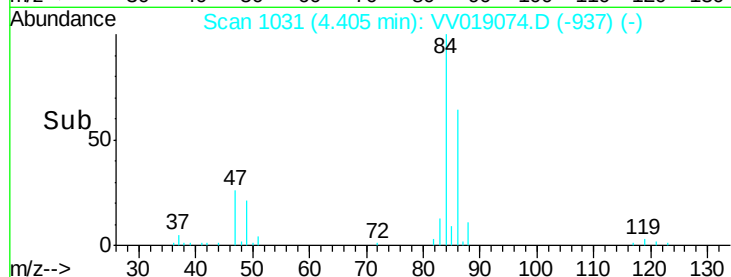
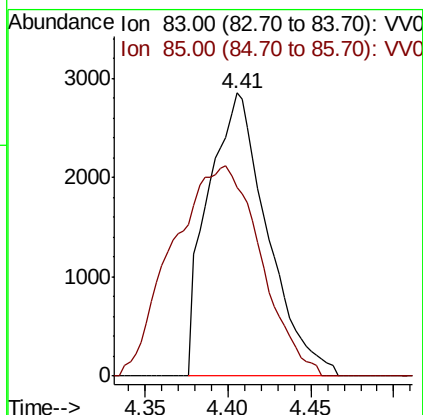
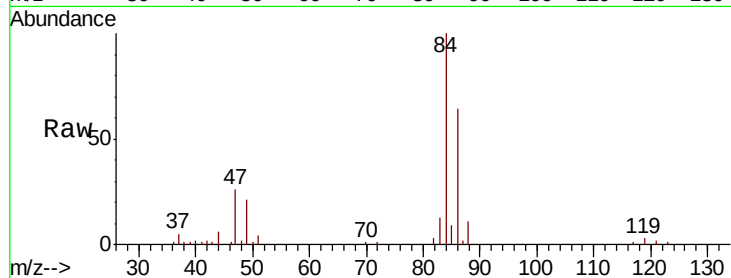




#25
Chloroform
Concen: 1.643 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV019074.D
Acq: 22 Oct 2020 17:49

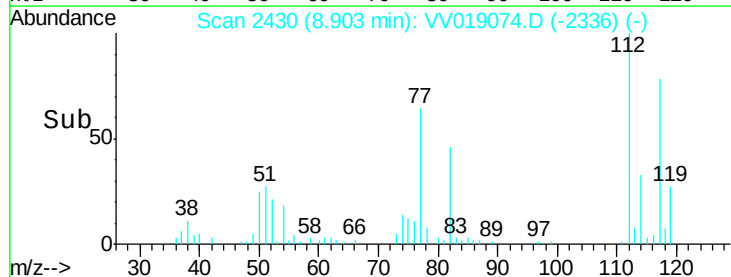
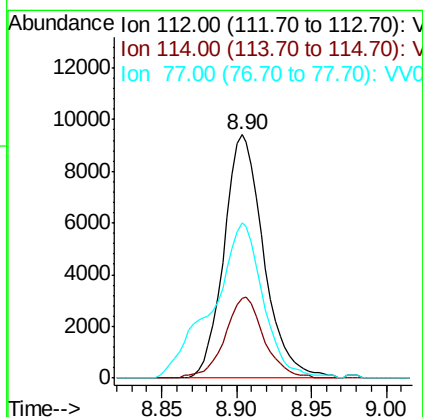
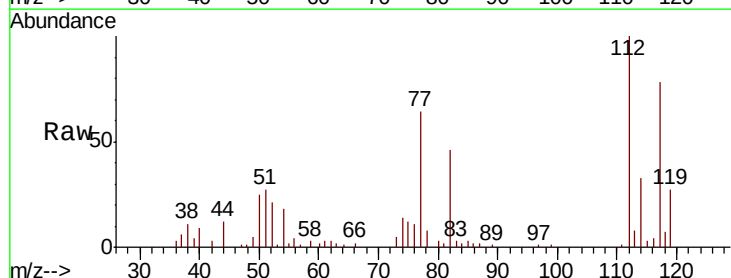
Instrument :
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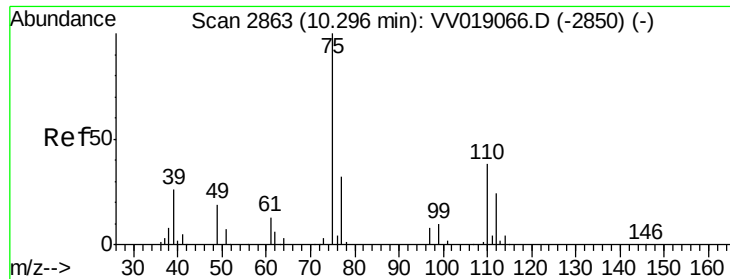
Tot Ion: 83 Resp: 7083
Ion Ratio Lower Upper
83 100
85 66.8 44.5 82.7



#51
Chlorobenzene
Concen: 2.883 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019074.D
Acq: 22 Oct 2020 17:49

Tgt Ion: 112 Resp: 17376
Ion Ratio Lower Upper
112 100
114 32.8 22.2 41.2
77 63.5 49.1 73.7





#59

1,2,3-Trichloropropane

Concen: 7.333 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV019074.D

Acq: 22 Oct 2020 17:49

Instrument :

MSVOA_V

ClientSampled :

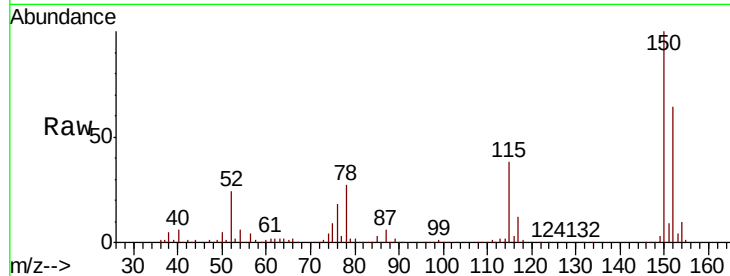
C0FH0

Tot Ion: 75 Resp: 21614

Ion Ratio Lower Upper

75 100

77 32.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV019066.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019066.D (-2850) (-)

11.27

15000

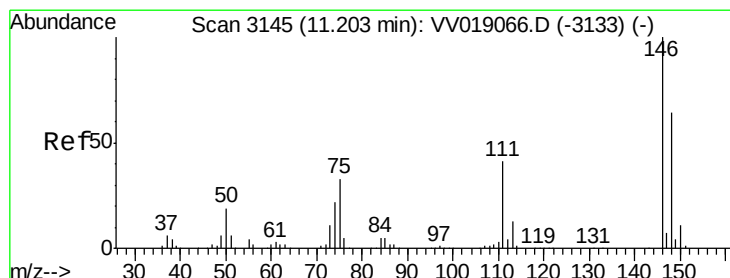
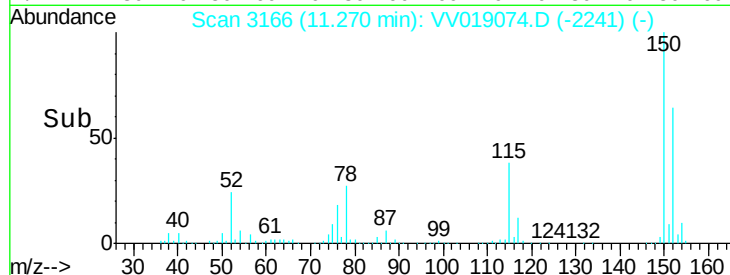
10000

5000

0

Time-->

11.20 11.25 11.30 11.35



#62

1,3-Dichlorobenzene

Concen: 0.862 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019074.D

Acq: 22 Oct 2020 17:49

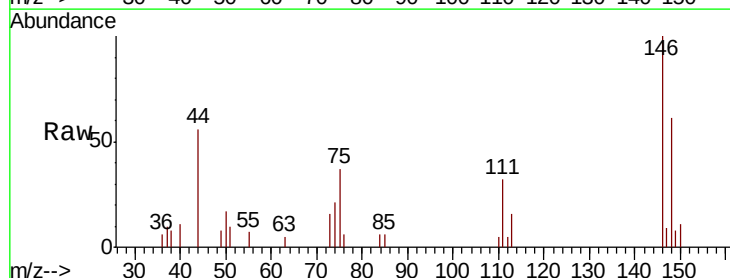
Tgt Ion: 146 Resp: 3669

Ion Ratio Lower Upper

146 100

111 31.6 28.8 53.4

148 61.2 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): VV019066.D (-3133) (-)

Ion 111.00 (110.70 to 111.70): VV019066.D (-3133) (-)

Ion 148.00 (147.70 to 148.70): VV019066.D (-3133) (-)

11.21

3000

2500

2000

1500

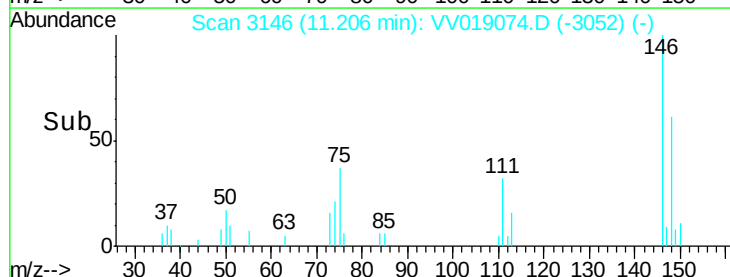
1000

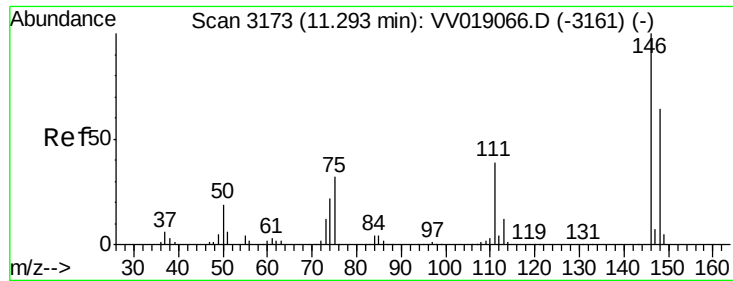
500

0

Time-->

11.20 11.25

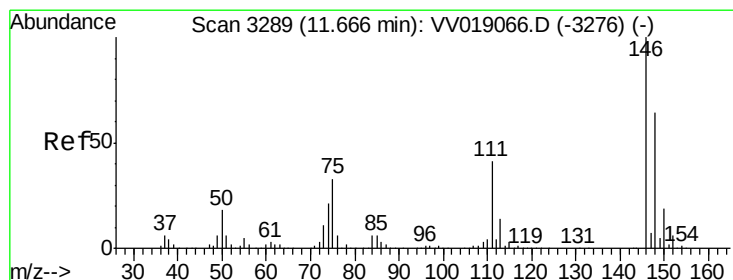
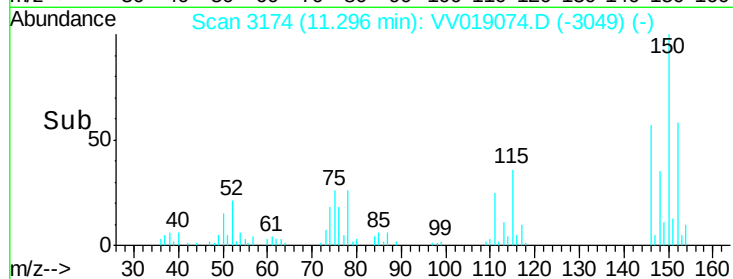
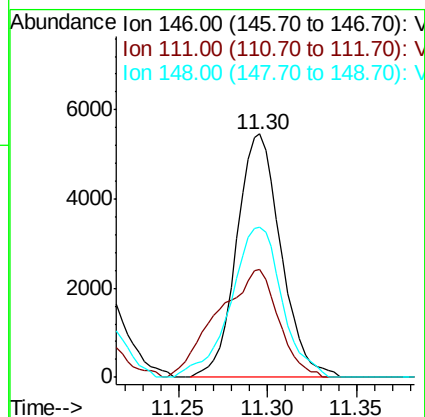
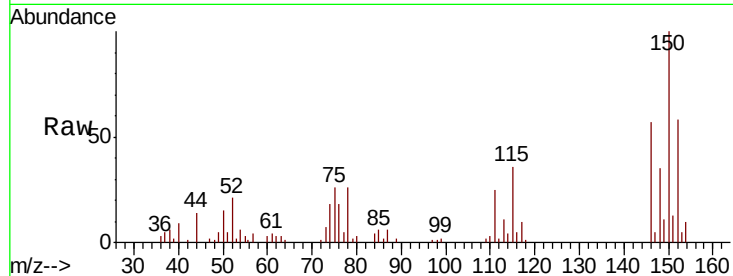




#63
 1,4-Dichlorobenzene
 Concen: 2.127 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019074.D
 Acq: 22 Oct 2020 17:49

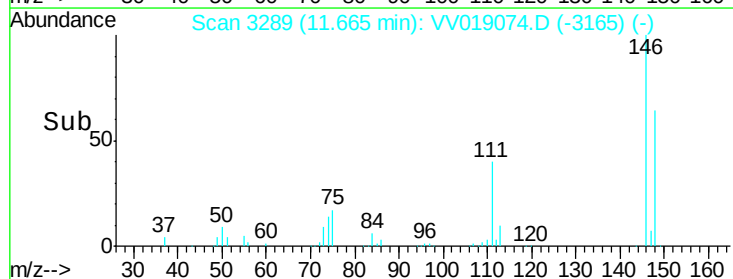
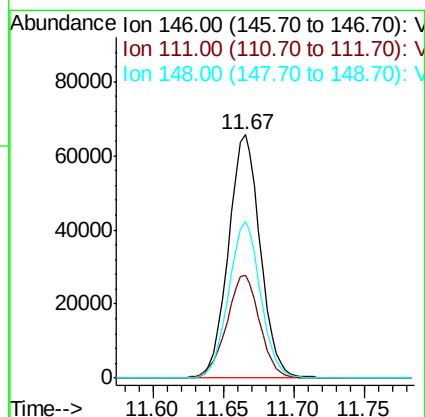
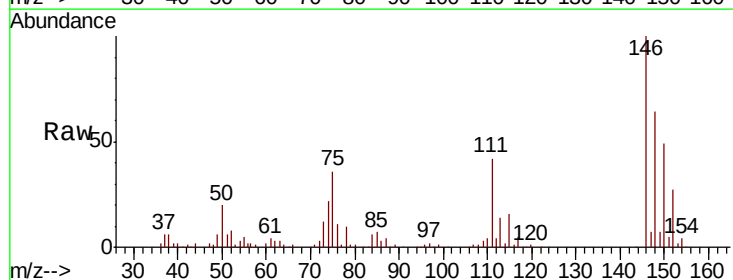
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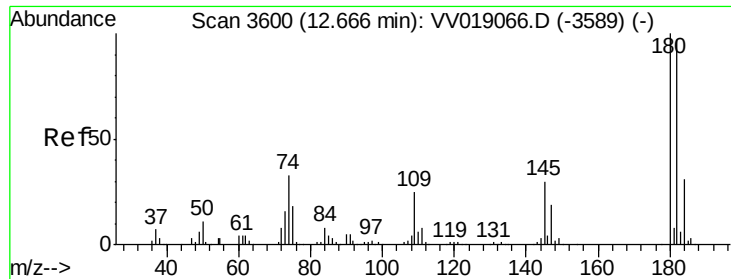
Tot Ion:146 Resp: 9459
 Ion Ratio Lower Upper
 146 100
 111 44.4 27.8 51.6
 148 61.7 45.1 83.9



#65
 1,2-Dichlorobenzene
 Concen: 24.059 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV019074.D
 Acq: 22 Oct 2020 17:49

Tgt Ion:146 Resp: 103254
 Ion Ratio Lower Upper
 146 100
 111 42.2 33.3 49.9
 148 64.2 51.1 76.7

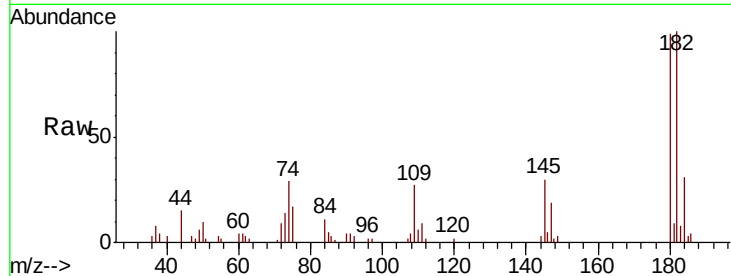




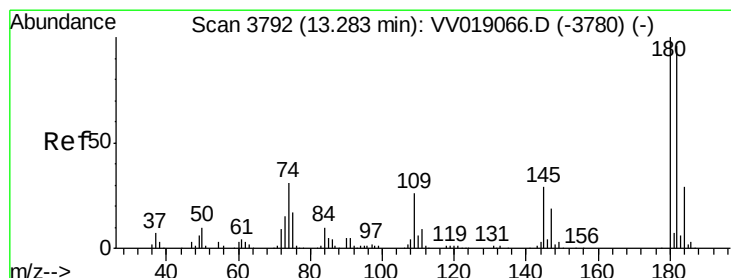
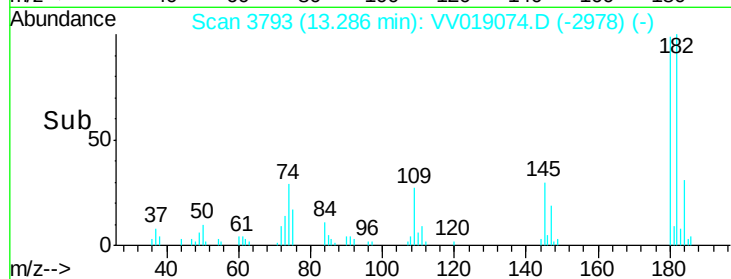
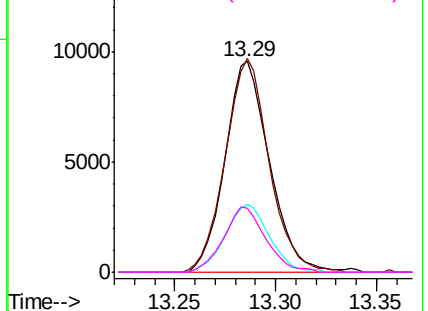
#67
 1,3,5-Trichlorobenzene
 Concen: 5.059 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV019074.D
 Acq: 22 Oct 2020 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH0

Tot Ion:180 Resp: 14704
 Ion Ratio Lower Upper
 180 100
 182 100.3 77.4 116.0
 184 32.0 24.7 37.1
 145 29.4 23.5 35.3

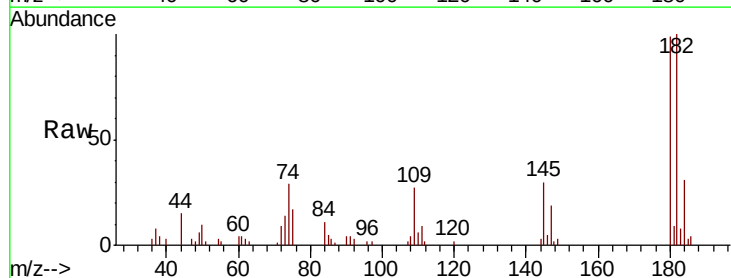


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

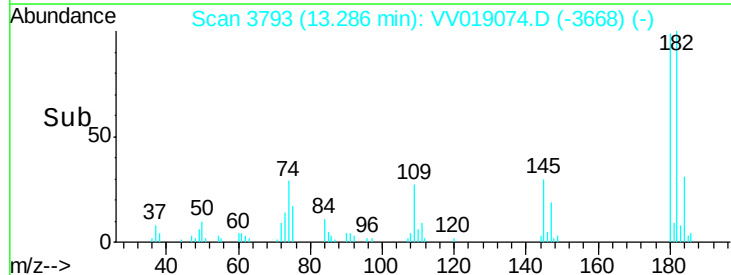
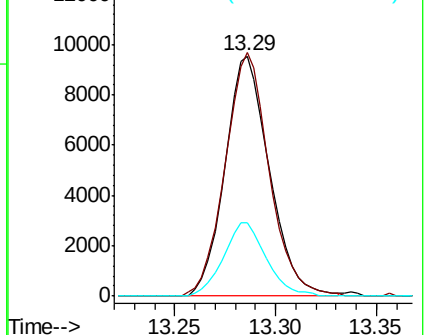


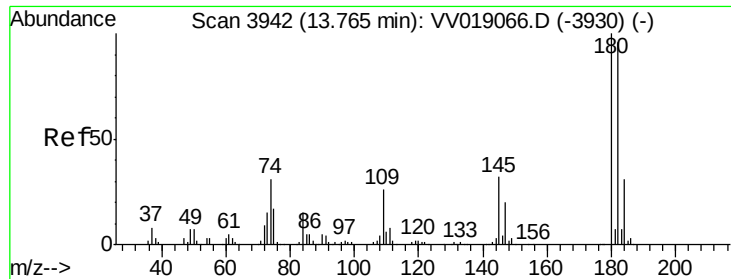
#68
 1,2,4-trichlorobenzene
 Concen: 5.365 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019074.D
 Acq: 22 Oct 2020 17:49

Tgt Ion:180 Resp: 14704
 Ion Ratio Lower Upper
 180 100
 182 100.3 77.4 116.2
 145 29.4 23.7 35.5



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

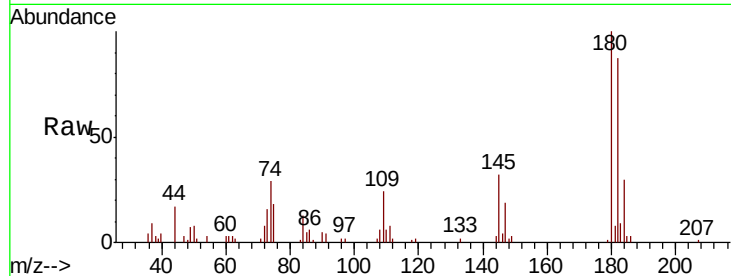




#70
 1,2,3-Trichlorobenzene
 Concen: 4.516 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019074.D
 Acq: 22 Oct 2020 17:49

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Tot Ion	Ratio	Lower	Upper
180	100		
182	90.3	76.9	115.3
145	33.1	25.6	38.4



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

