

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051820\
 Data File : VX016315.D
 Acq On : 18 May 2020 21:50
 Operator : JC/SP
 Sample : L2672-10 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW346-200514

Manual Integrations
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 5/19/2020 2:27:17 PM

Quant Time: May 19 13:02:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	258758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	429651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	421666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	214870	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	151935	44.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.24%	
35) Dibromofluoromethane	5.47	113	123957	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
50) Toluene-d8	8.70	98	528659	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.12	95	211155	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.39	62	459830	135.502	ug/l	100
12) 1,1-Dichloroethene	2.36	96	7959	2.959	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	5037	1.680	ug/l	94
24) 1,1-Dichloroethane	3.67	63	16023	3.078	ug/l	96
27) cis-1,2-Dichloroethene	4.57	96	1954619	596.475	ug/l	87
40) Benzene	6.11	78	14178	1.146	ug/l	93
44) Trichloroethene	7.19	130	18579	4.226	ug/l	100
64) Tetrachloroethene	9.32	164	5736	1.108	ug/l	95
65) Chlorobenzene	10.12	112	60929	6.901	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	2006	0.277	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	3359m	0.457	ug/l	
91) 1,2-Dichlorobenzene	12.38	146	6370	0.913	ug/l	99
93) 1,2,4-Trichlorobenzene	13.63	180	1133	0.219	ug/l	88
94) Hexachlorobutadiene	13.77	225	1390	1.142	ug/l	98

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

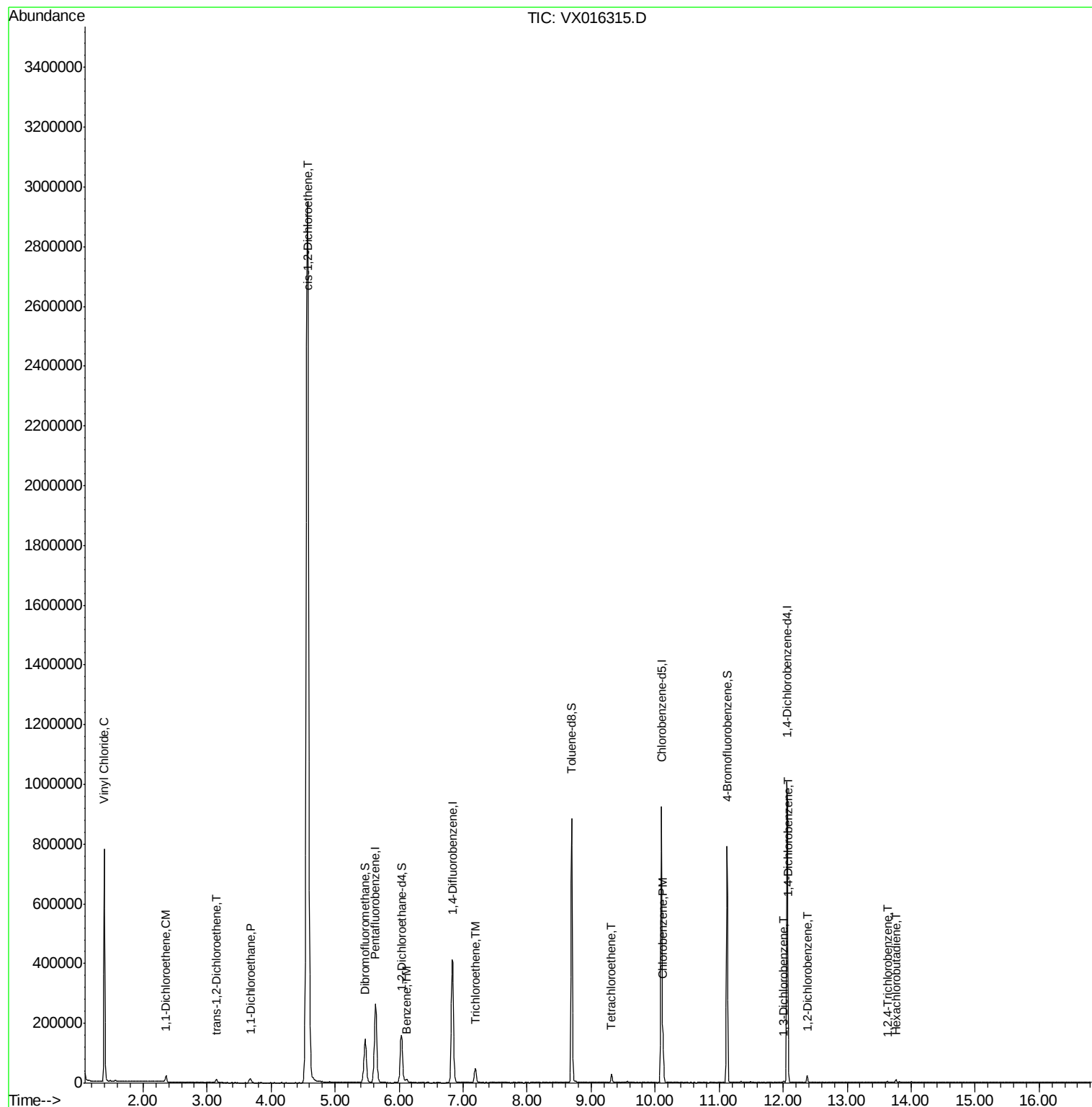
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051820\
Data File : VX016315.D
Acq On : 18 May 2020 21:50
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
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#1

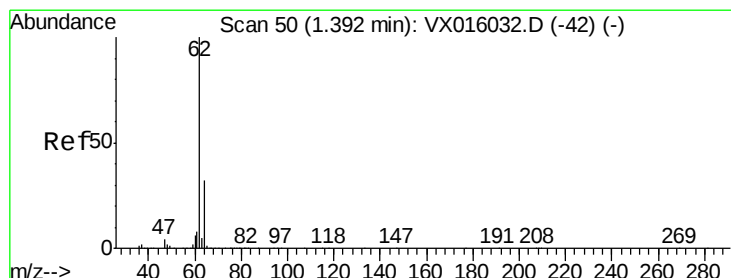
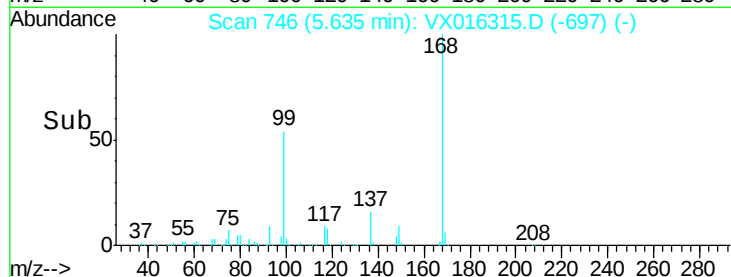
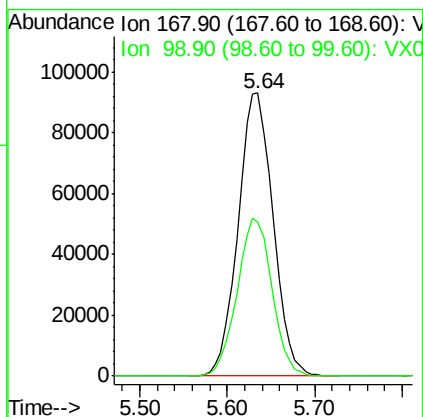
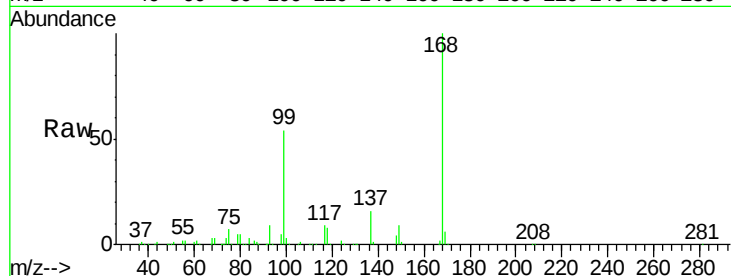
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VX016315.D
 Acq: 18 May 2020 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW346-200514

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.3	45.0	67.4

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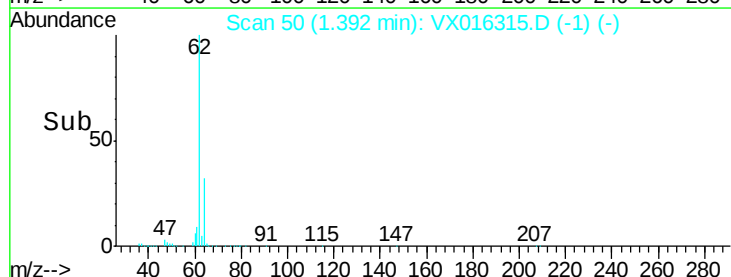
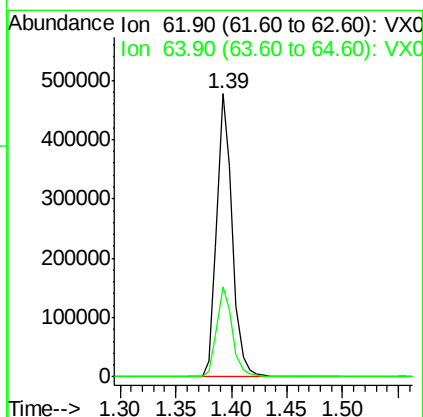
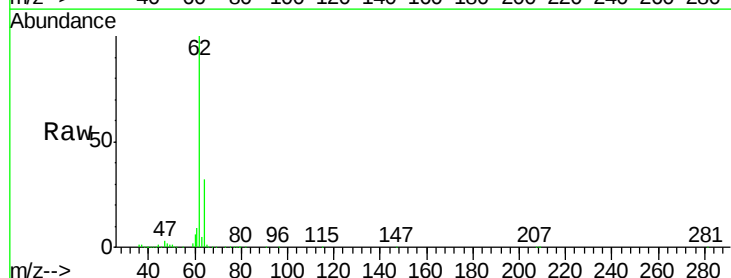
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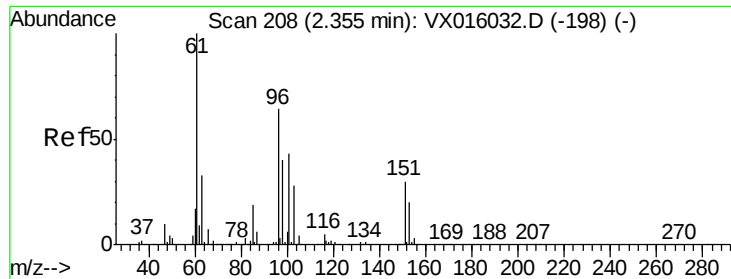


#4

Vinyl Chloride
 Concen: 135.502 ug/l
 RT: 1.39 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX016315.D
 Acq: 18 May 2020 21:50

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.7	38.5





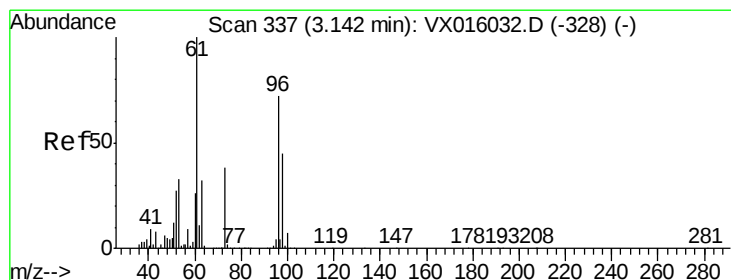
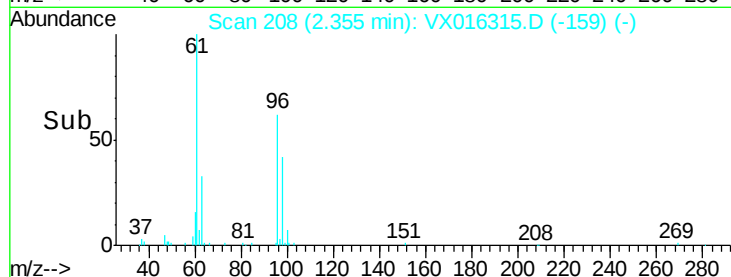
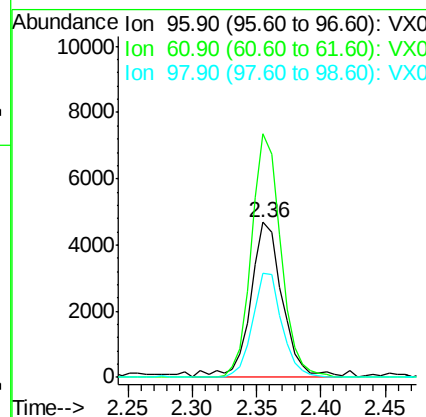
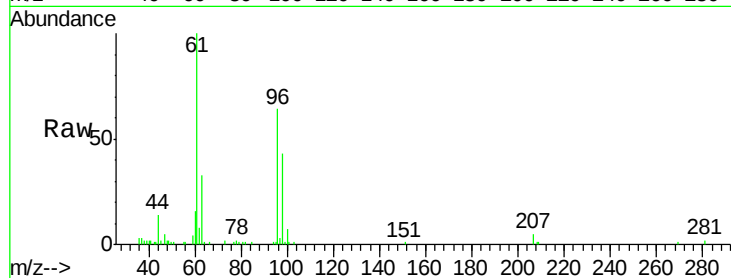
#12
1,1-Dichloroethene
Concen: 2.959 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016315.D
Acq: 18 May 2020 21:50

Instrument :
MSVOA_X
ClientSampleId :
WP021MW346-200514

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.0	124.8	187.2
98	67.1	49.7	74.5

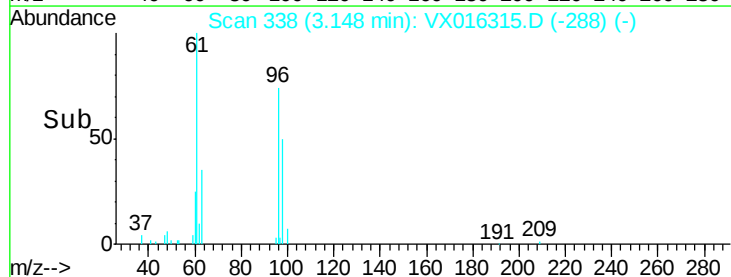
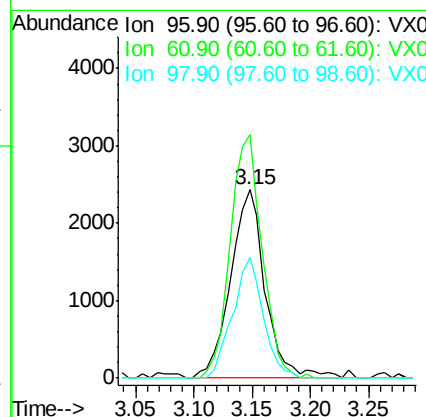
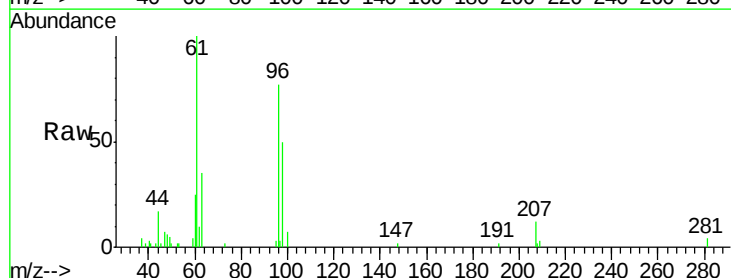
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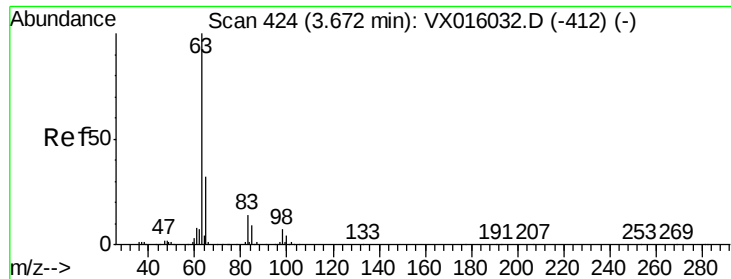
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#21
trans-1,2-Dichloroethene
Concen: 1.680 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016315.D
Acq: 18 May 2020 21:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.3	111.2	166.8
98	64.0	50.2	75.4





#24

1,1-Dichloroethane

Concen: 3.078 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016315.D

Acq: 18 May 2020 21:50

Instrument :

MSVOA_X

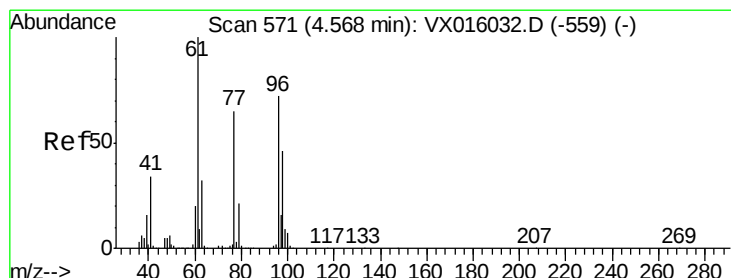
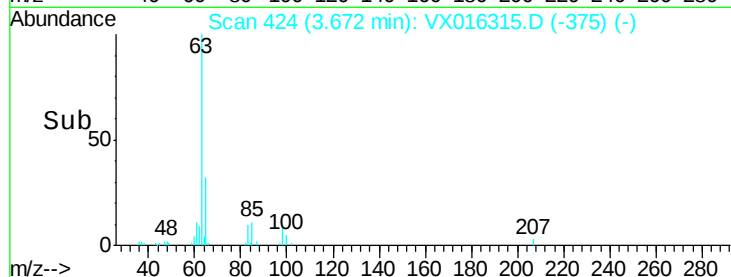
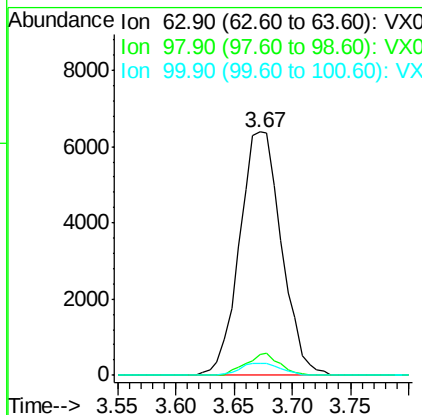
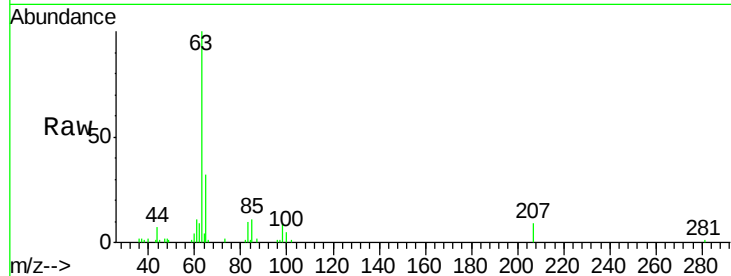
ClientSampleId :

WP021MW346-200514

Tot Ion:	63	Resp:	16023
Ion Ratio		Lower	Upper
63	100		
98	8.6	3.5	10.5
100	5.1	2.1	6.5

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#27

cis-1,2-Dichloroethene

Concen: 596.475 ug/l

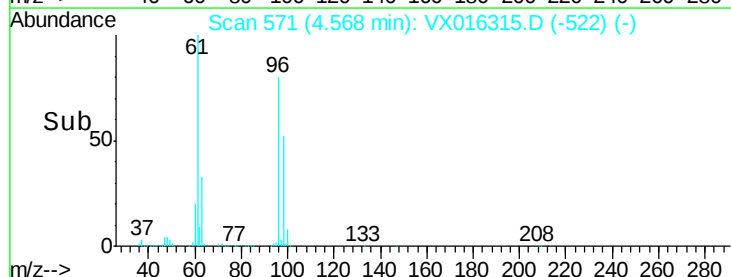
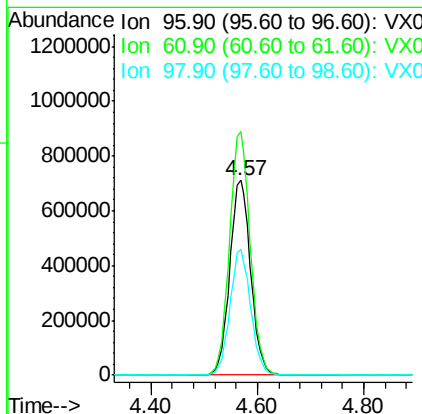
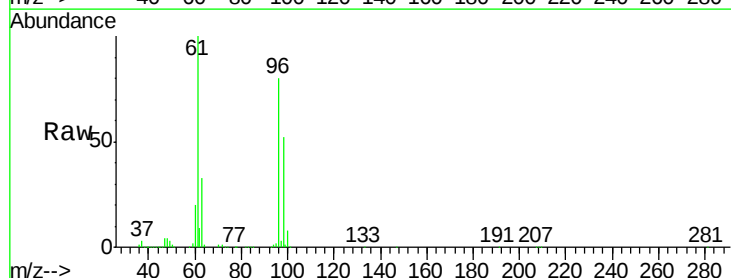
RT: 4.57 min Scan# 571

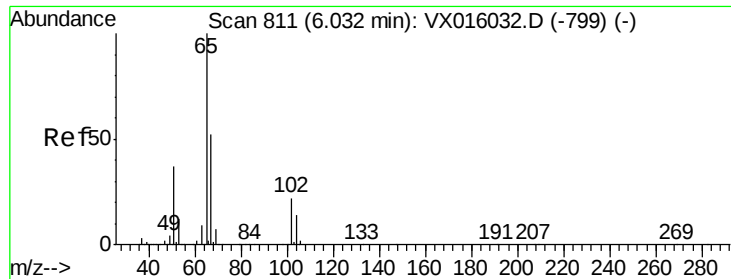
Delta R.T. 0.00 min

Lab File: VX016315.D

Acq: 18 May 2020 21:50

Tgt Ion:	96	Resp:	1954619
Ion Ratio		Lower	Upper
96	100		
61	124.6	0.0	296.2
98	63.7	0.0	129.4





#33

1,2-Dichloroethane-d4

Concen: 44.621 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016315.D

Acq: 18 May 2020 21:50

Instrument :

MSVOA_X

ClientSampleId :

WP021MW346-200514

Tot Ion: 65 Resp: 151935

Ion Ratio Lower Upper

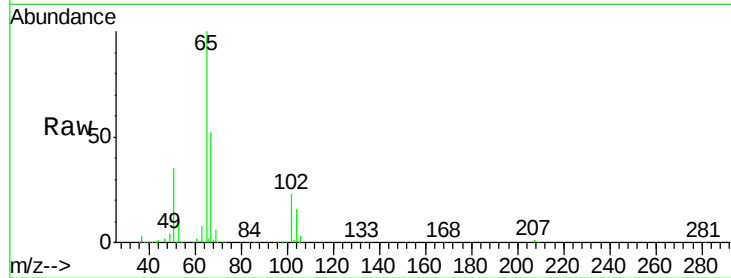
65 100

67 53.2 0.0 104.8

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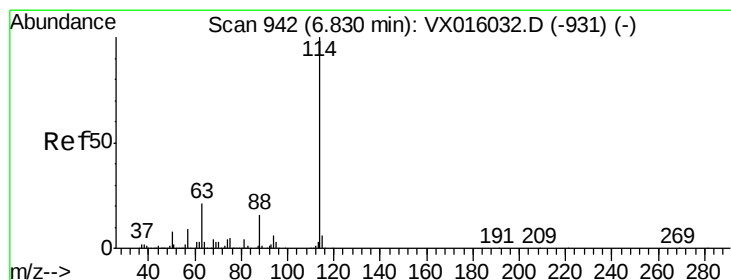
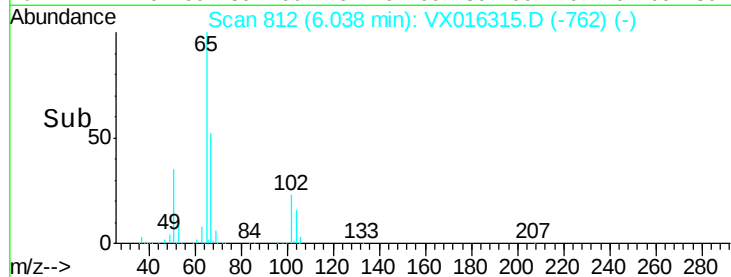
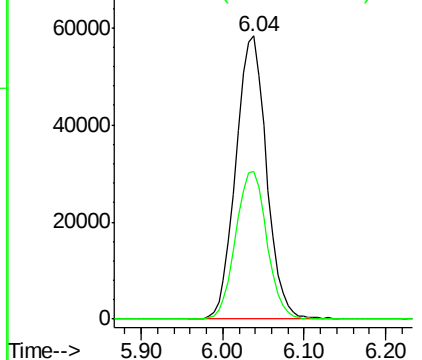
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016315.D

Acq: 18 May 2020 21:50

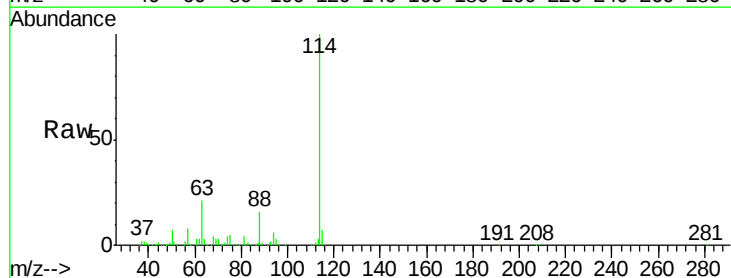
Tgt Ion: 114 Resp: 429651

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

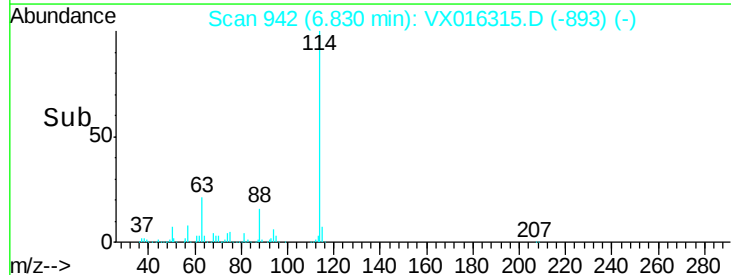
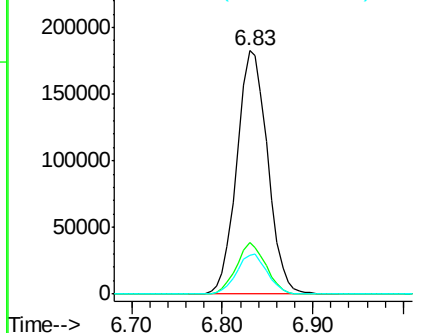
88 15.9 0.0 31.4

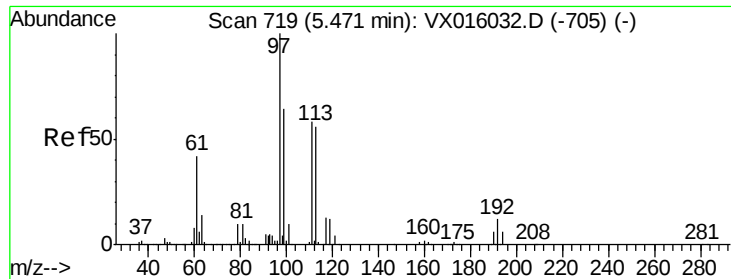


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





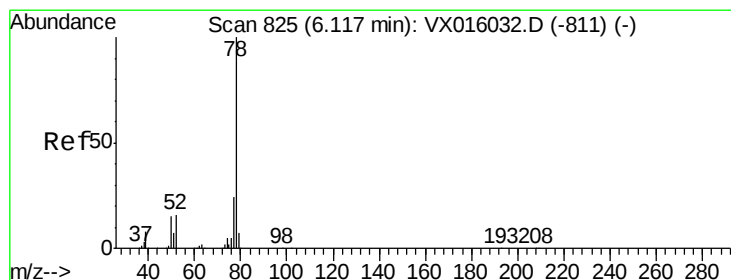
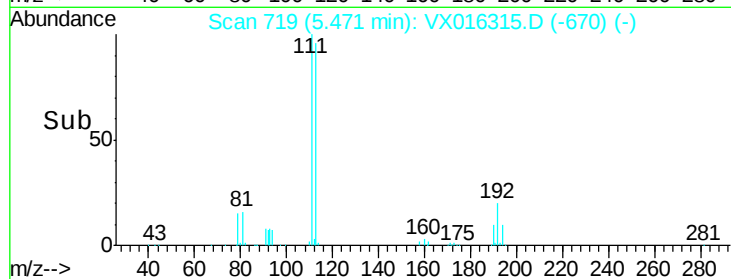
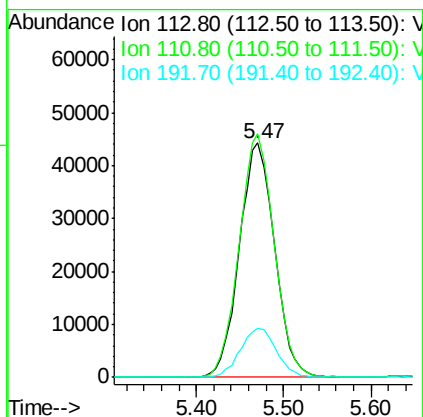
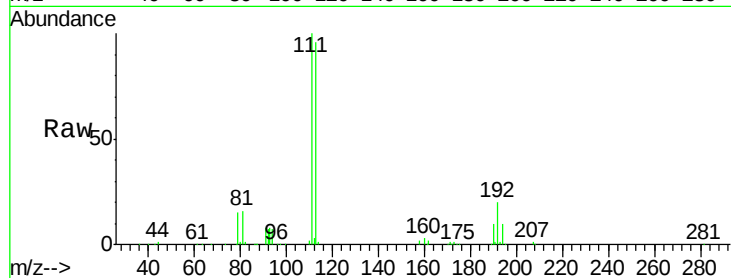
#35
 Dibromofluoromethane
 Concen: 45.539 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX016315.D
 Acq: 18 May 2020 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW346-200514

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.6	122.4
192	21.7	17.0	25.4

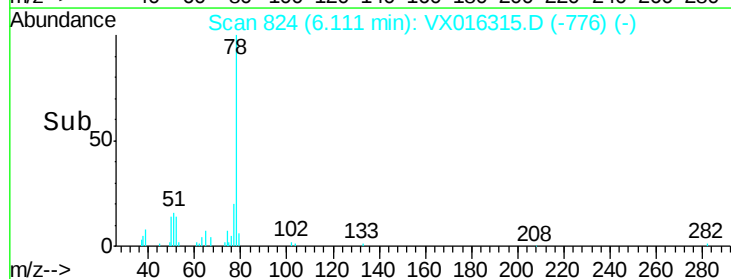
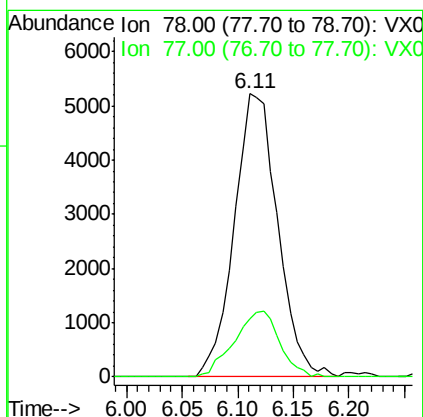
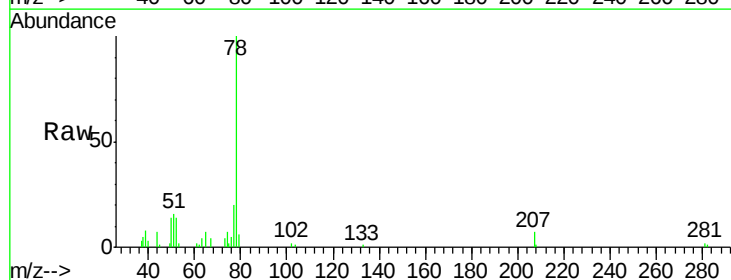
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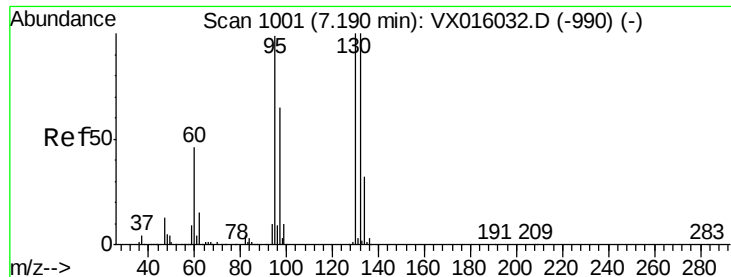
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#40
 Benzene
 Concen: 1.146 ug/l
 RT: 6.11 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: VX016315.D
 Acq: 18 May 2020 21:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.5	19.0	28.4





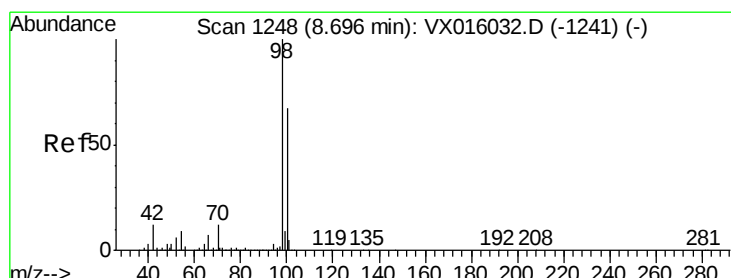
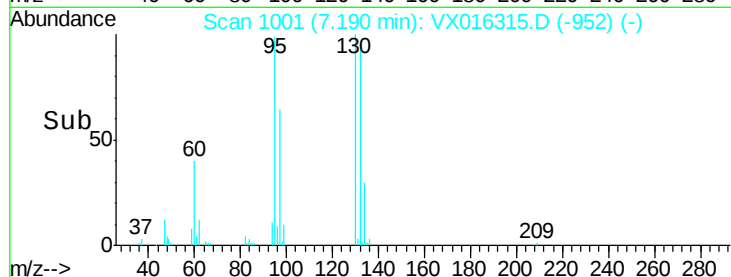
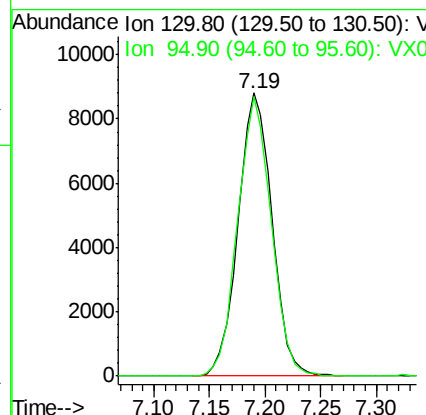
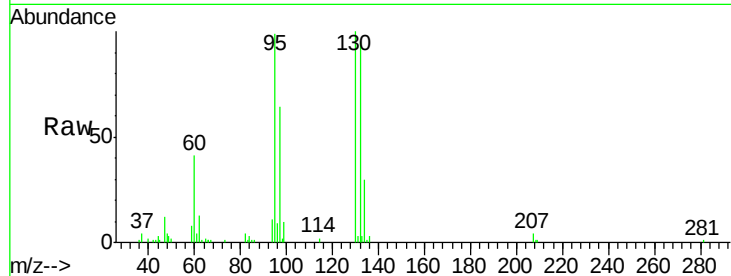
#44
 Trichloroethene
 Concen: 4.226 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX016315.D
 Acq: 18 May 2020 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW346-200514

Tot Ion:130 Resp: 18579
 Ion Ratio Lower Upper
 130 100
 95 98.8 0.0 197.4

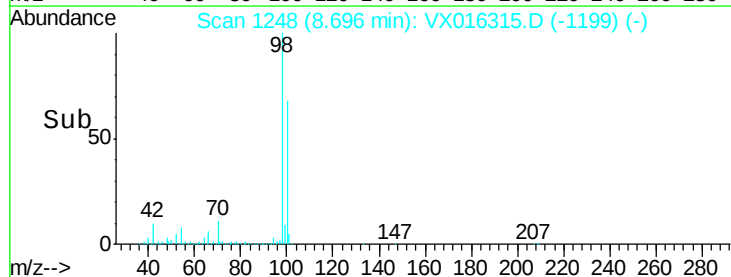
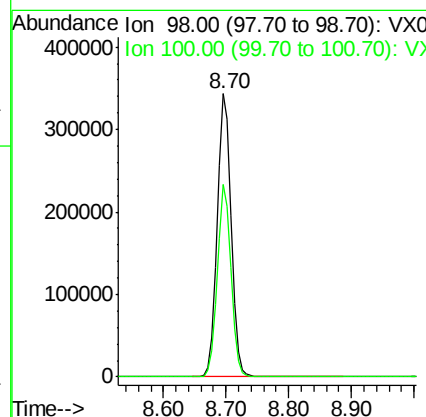
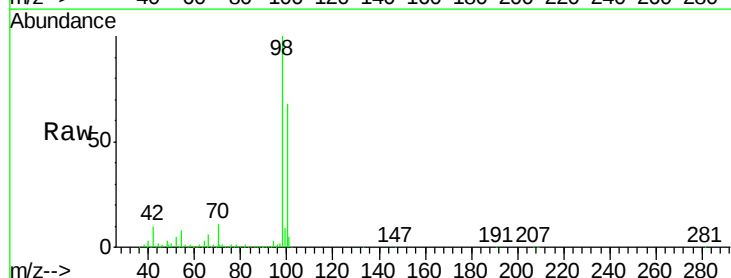
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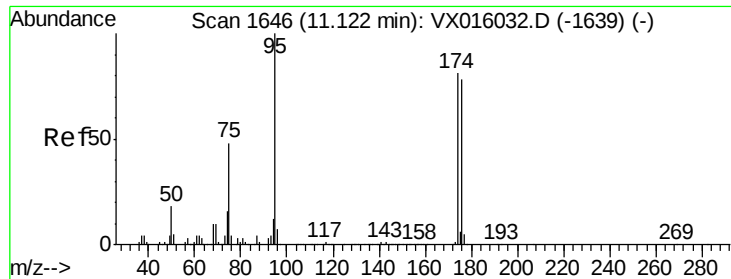
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#50
 Toluene-d8
 Concen: 50.405 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VX016315.D
 Acq: 18 May 2020 21:50

Tgt Ion: 98 Resp: 528659
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.7 80.5





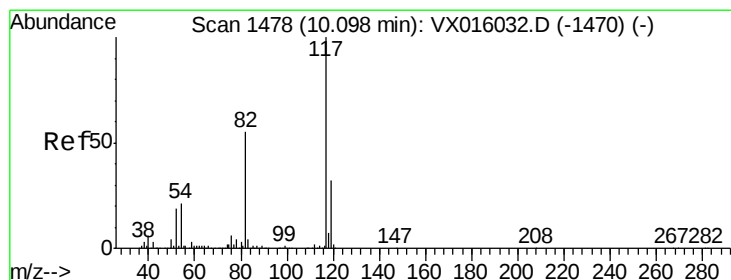
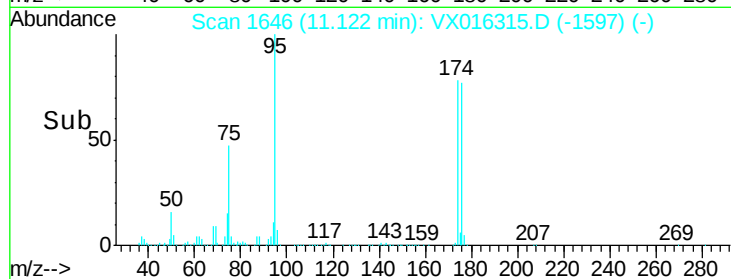
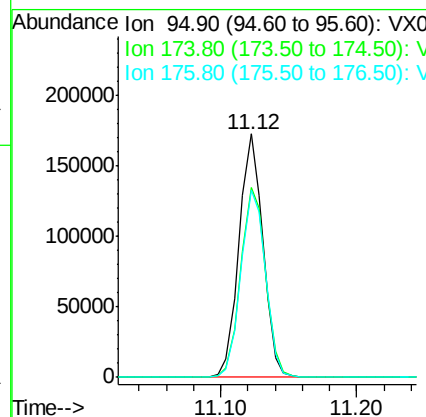
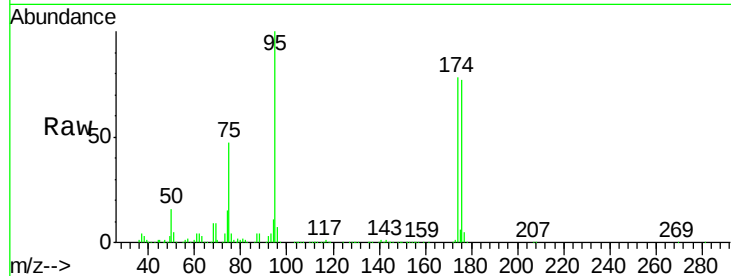
#62
4-Bromofluorobenzene
Concen: 52.932 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016315.D
Acq: 18 May 2020 21:50

Instrument :
MSVOA_X
ClientSampleId :
WP021MW346-200514

Tot Ion	Ratio	Resp	Lower	Upper
95	100	211155		
174	80.7	0.0	159.4	
176	79.2	0.0	157.6	

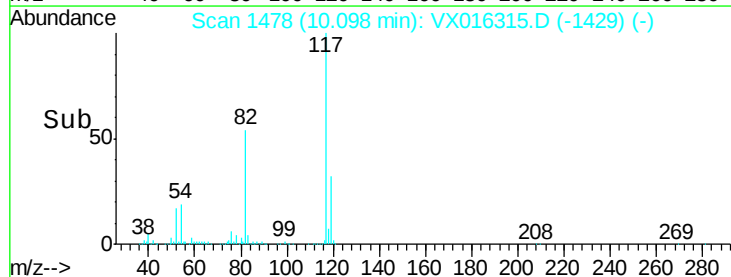
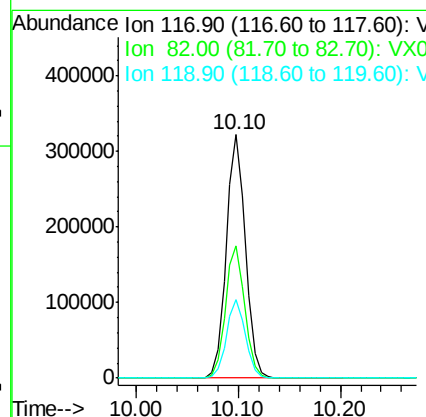
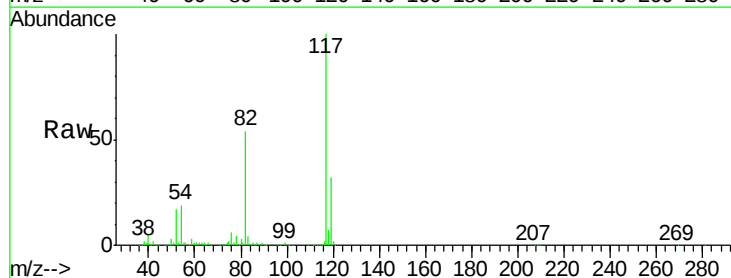
Manual Integrations
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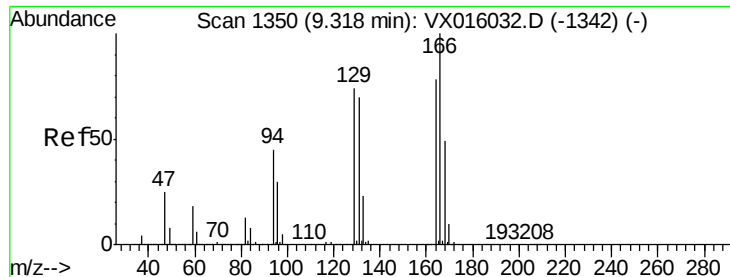
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016315.D
Acq: 18 May 2020 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	421666		
82	54.2	44.4	66.6	
119	32.0	25.5	38.3	





#64

Tetrachloroethene

Concen: 1.108 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX016315.D

Acq: 18 May 2020 21:50

Instrument :

MSVOA_X

ClientSampleId :

WP021MW346-200514

Tot Ion:164 Resp: 5736

Ion Ratio Lower Upper

164 100

166 118.5 102.9 154.3

129 91.8 76.1 114.1

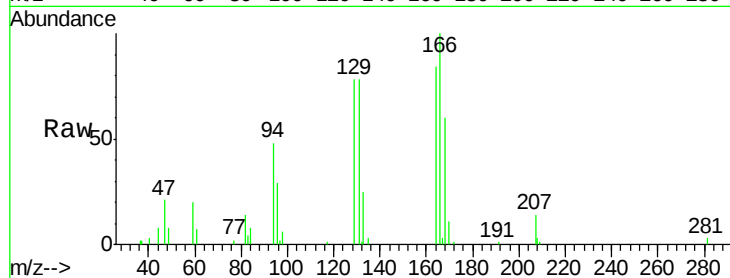
131 92.8 71.9 107.9

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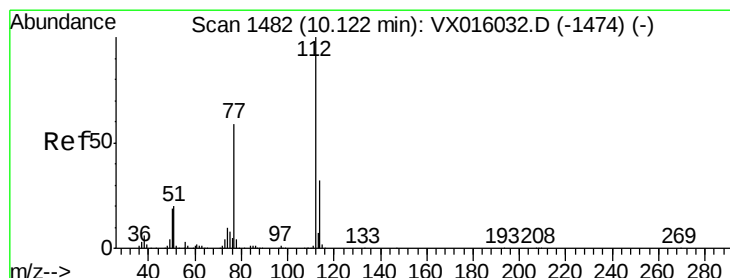
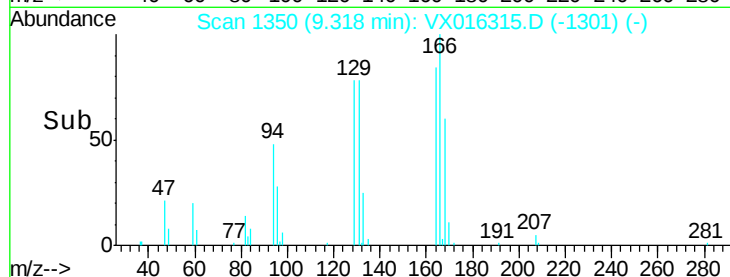
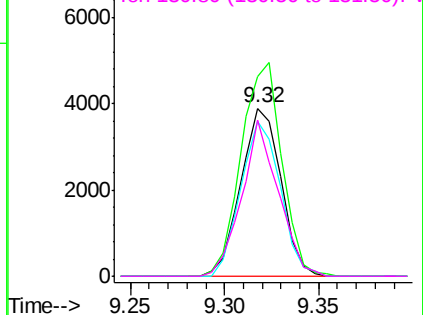


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 6.901 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016315.D

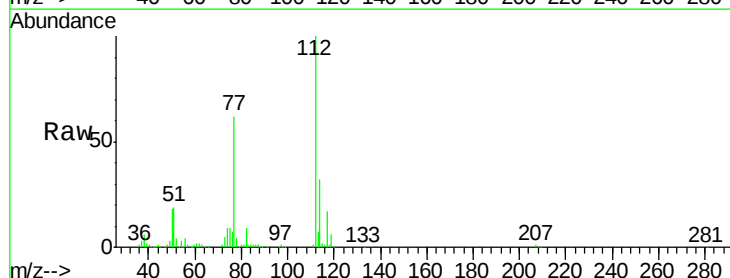
Acq: 18 May 2020 21:50

Tgt Ion:112 Resp: 60929

Ion Ratio Lower Upper

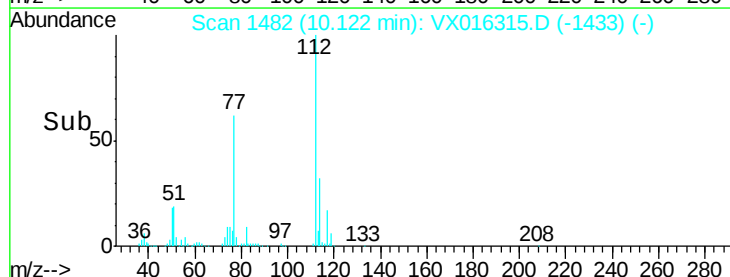
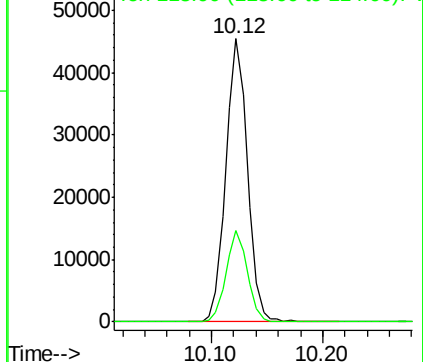
112 100

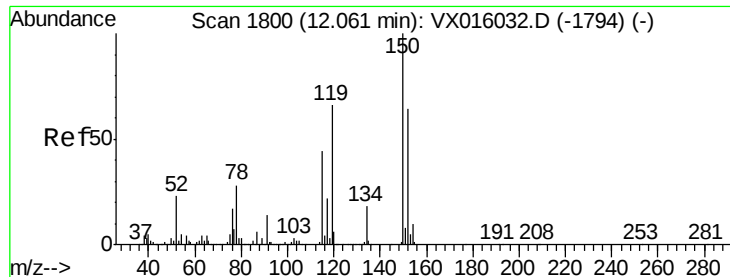
114 32.3 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016315.D

Acq: 18 May 2020 21:50

Instrument :

MSVOA_X

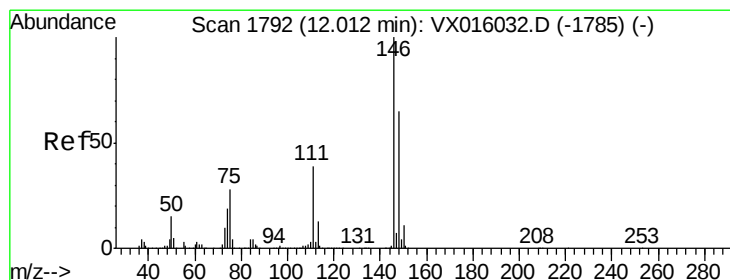
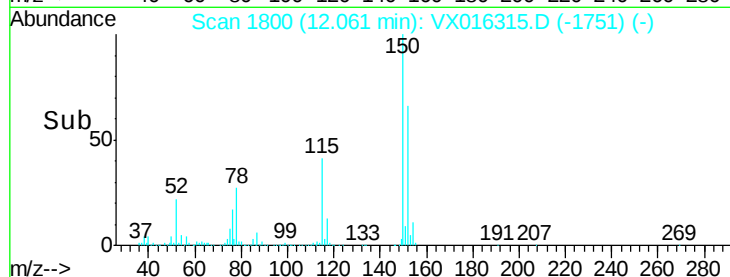
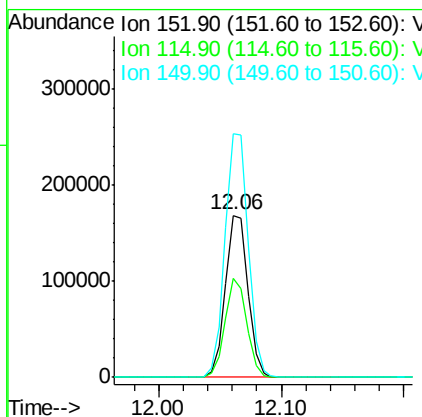
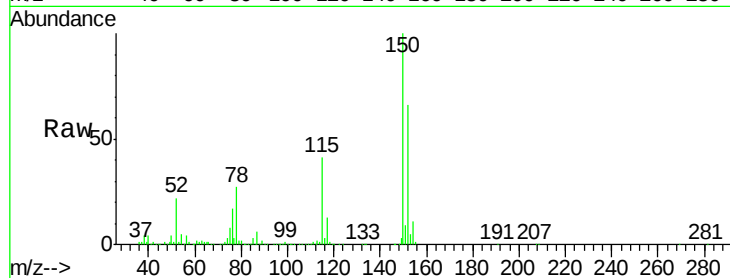
ClientSampleId :

WP021MW346-200514

Tot Ion:	152	Resp:	214870
Ion Ratio	Lower	Upper	
152	100		
115	58.7	41.3	124.1
150	154.2	0.0	352.2

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#87

1,3-Dichlorobenzene

Concen: 0.277 ug/l

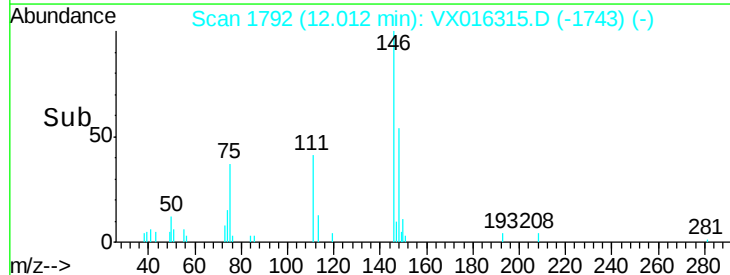
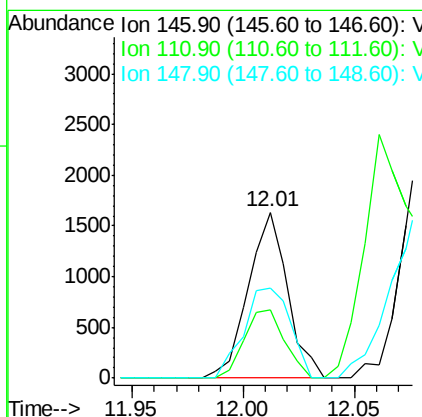
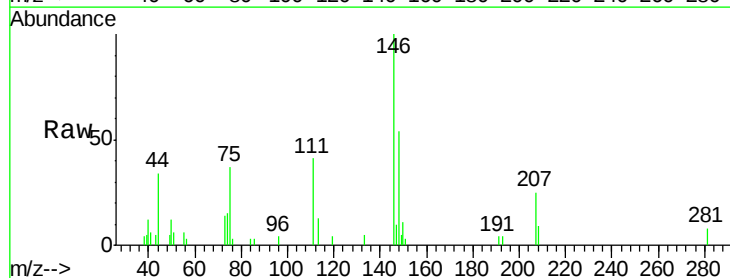
RT: 12.01 min Scan# 1792

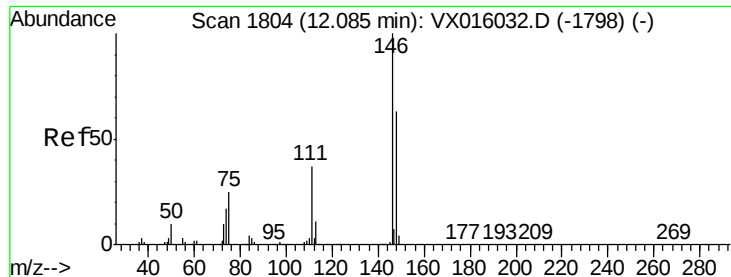
Delta R.T. 0.00 min

Lab File: VX016315.D

Acq: 18 May 2020 21:50

Tgt Ion:	146	Resp:	2006
Ion Ratio	Lower	Upper	
146	100		
111	42.3	20.2	60.6
148	64.5	32.1	96.3





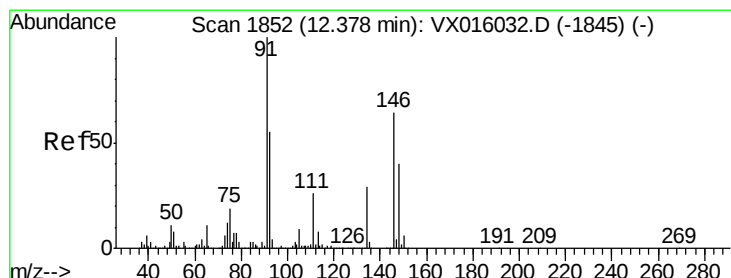
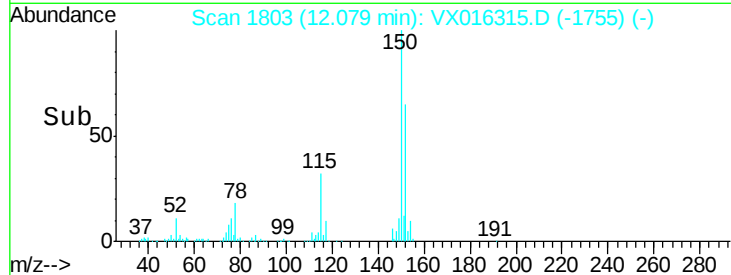
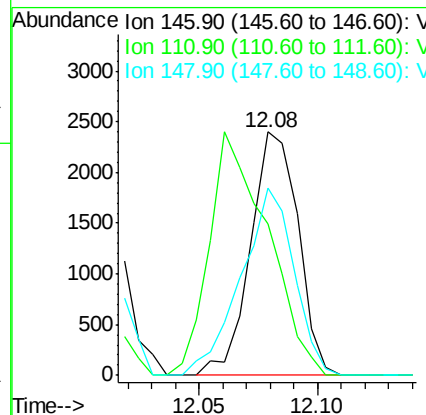
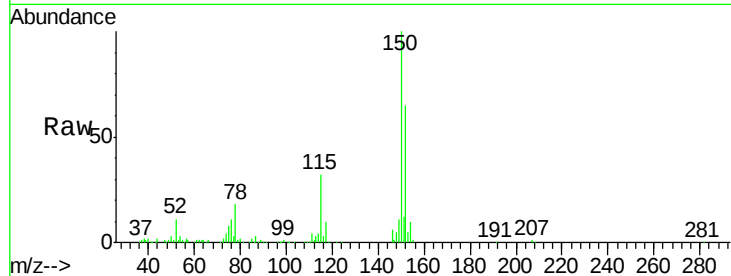
#88
 1,4-Dichlorobenzene
 Concen: 0.457 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016315.D
 Acq: 18 May 2020 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW346-200514

Tot Ion	Ratio	Lower	Upper
146	100		
111	25.3	19.6	58.7
148	38.5	31.8	95.3

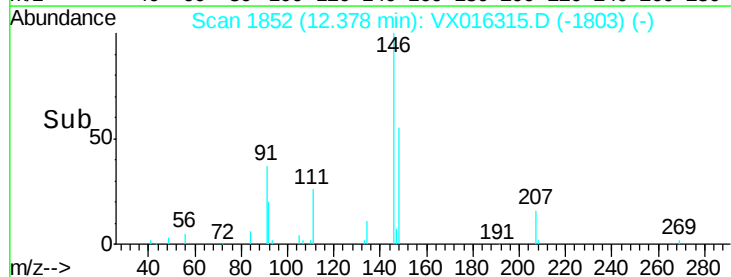
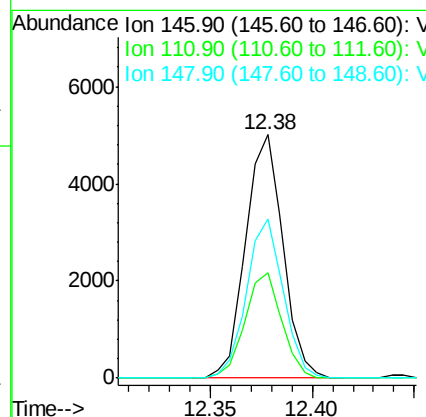
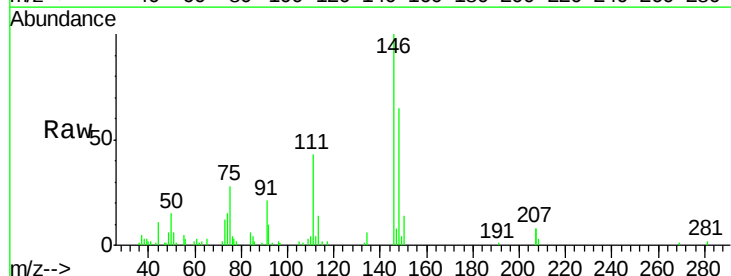
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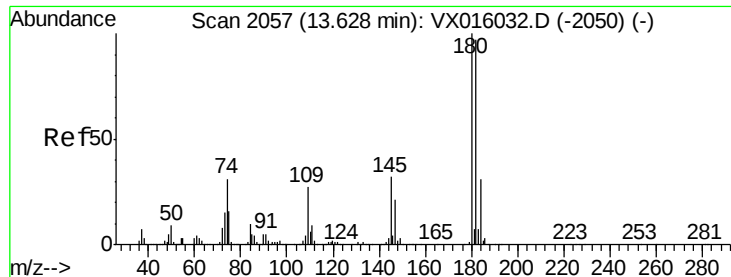
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#91
 1,2-Dichlorobenzene
 Concen: 0.913 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016315.D
 Acq: 18 May 2020 21:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.1
148	64.5	32.4	97.0





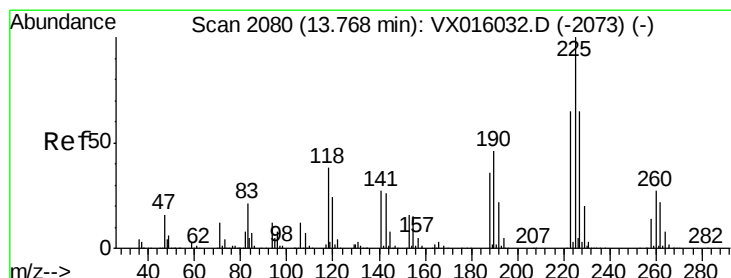
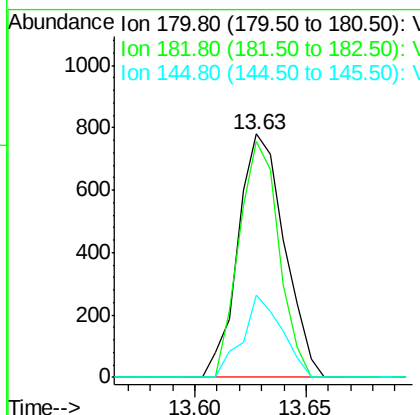
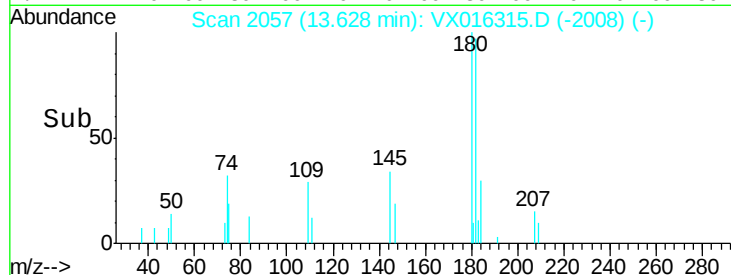
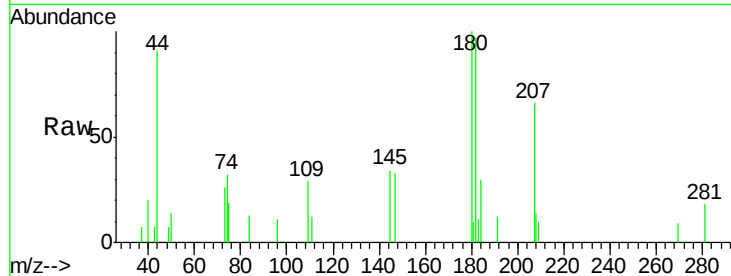
#93
 1,2,4-Trichlorobenzene
 Concen: 0.219 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016315.D
 Acq: 18 May 2020 21:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW346-200514

Tot Ion	Ratio	Resp	Lower	Upper
180	100	1133		
182	83.4	48.7	146.1	
145	28.6	15.7	47.1	

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#94
 Hexachlorobutadiene
 Concen: 1.142 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016315.D
 Acq: 18 May 2020 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	1390		
223	64.2	32.3	96.9	
227	66.8	31.8	95.4	

