

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051820\
 Data File : VX016314.D
 Acq On : 18 May 2020 21:28
 Operator : JC/SP
 Sample : L2672-08 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW347-200514

Manual Integrations
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MMDadoda
 5/19/2020 2:27:14 PM

Quant Time: May 19 12:58:39 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	260723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	429270	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	412503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206418	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	149362	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
35) Dibromofluoromethane	5.47	113	125094	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
50) Toluene-d8	8.70	98	513241	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.12	95	207715	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.39	62	186410	54.517	ug/l	100
12) 1,1-Dichloroethene	2.36	96	8525	3.145	ug/l	92
13) Acrolein	2.28	56	1060	1.952	ug/l	98
15) Acrylonitrile	3.12	53	1202	0.668	ug/l #	90
16) Acetone	2.42	43	1341	0.876	ug/l	94
17) Carbon Disulfide	2.56	76	5242	0.439	ug/l	100
20) Methylene Chloride	2.84	84	962	0.305	ug/l	92
21) trans-1,2-Dichloroethene	3.15	96	12274	4.064	ug/l	92
24) 1,1-Dichloroethane	3.67	63	4580	0.873	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	1428321	432.584	ug/l	87
39) Methylcyclohexane	7.45	83	1447	0.284	ug/l	90
40) Benzene	6.12	78	7478	0.605	ug/l	98
44) Trichloroethene	7.19	130	176294	40.136	ug/l	99
59) 2-Hexanone	9.48	43	1046	0.279	ug/l	68
64) Tetrachloroethene	9.32	164	1336	0.264	ug/l	93
65) Chlorobenzene	10.12	112	50515	5.848	ug/l	97
68) m/p-Xylenes	10.35	106	1403	0.243	ug/l	97
85) sec-Butylbenzene	11.93	105	3525	0.239	ug/l	87
86) p-Isopropyltoluene	12.05	119	3387	0.247	ug/l #	78
87) 1,3-Dichlorobenzene	12.01	146	3335	0.479	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	6489m	0.919	ug/l	
89) n-Butylbenzene	12.37	91	5565	0.445	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	11808	1.762	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	2680	0.540	ug/l	99
94) Hexachlorobutadiene	13.76	225	3815	2.291	ug/l	98
95) Naphthalene	13.82	128	6037	0.376	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	2726	0.562	ug/l	95

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

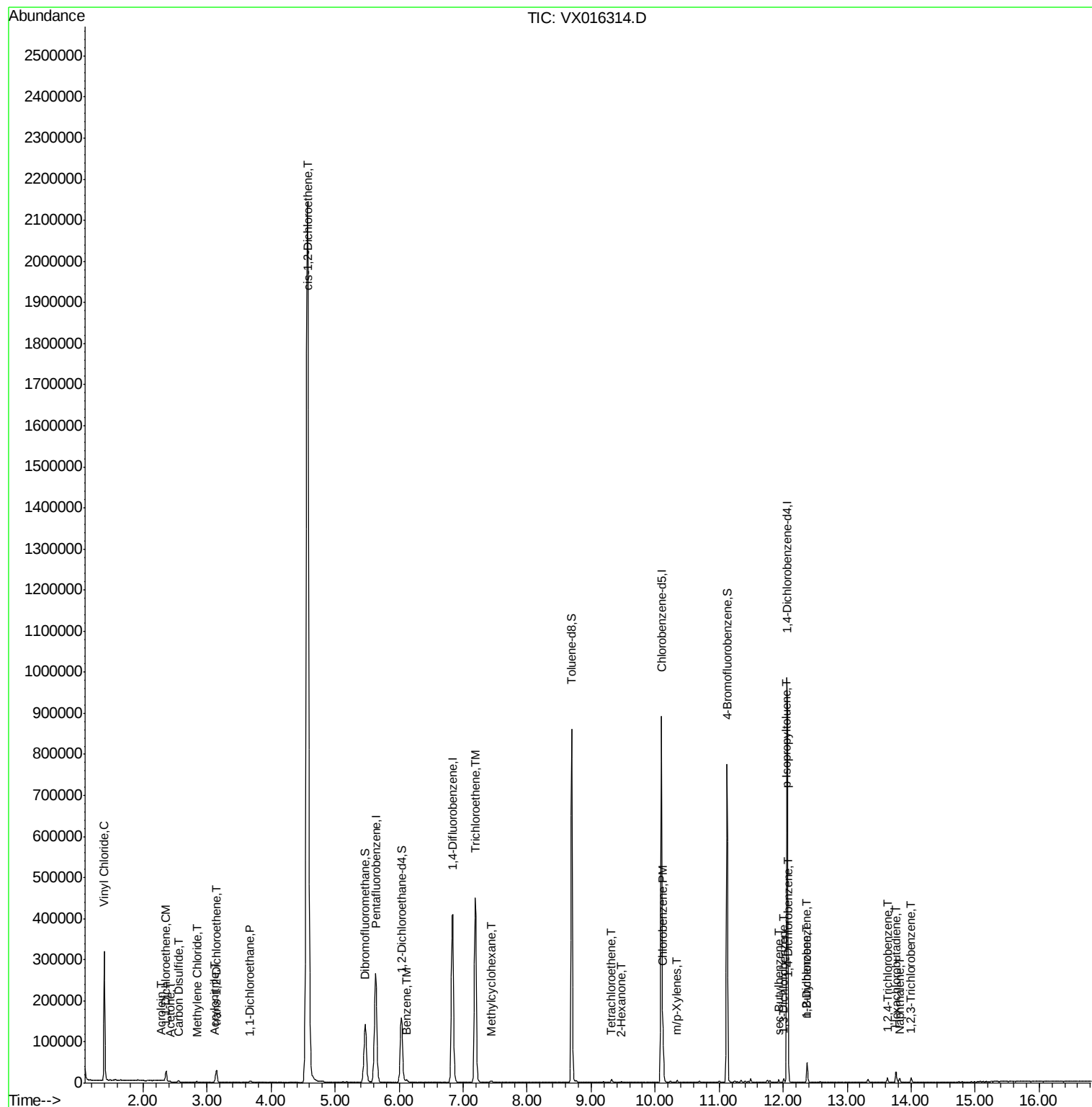
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051820\
Data File : VX016314.D
Acq On : 18 May 2020 21:28
Operator : JC/SP
Sample : L2672-08 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

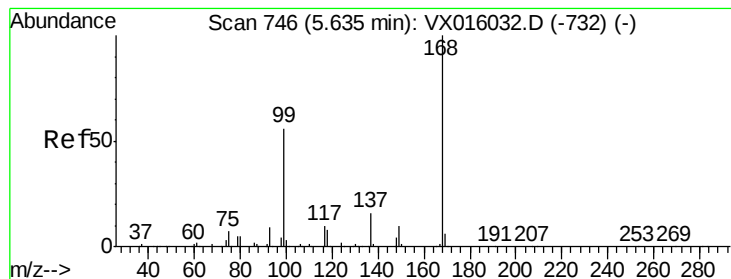
Instrument :
MSVOA_X
ClientSampleId :
WP021MW347-200514

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5/19/2020 2:27:14 PM

Quant Time: May 19 12:58:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

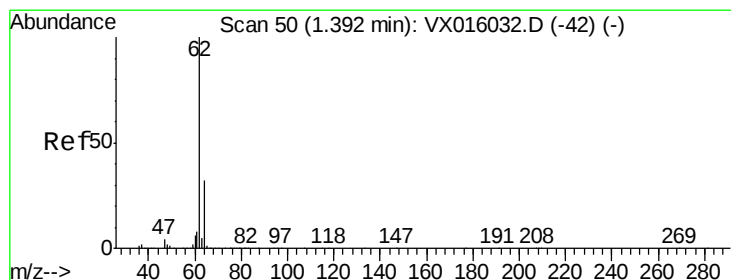
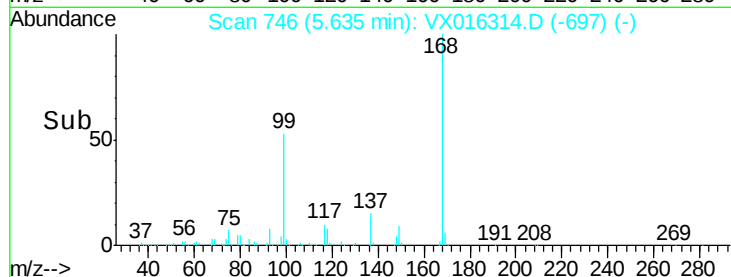
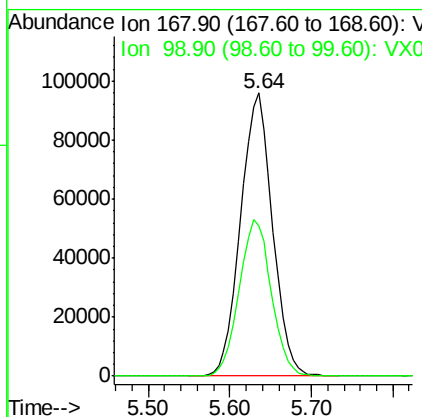
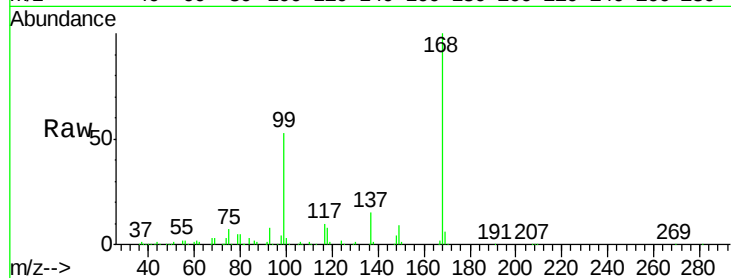
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW347-200514

Tot Ion	Ratio	Resp	Lower	Upper
168	100	260723		
99	53.0	45.0	67.4	

Manual Integrations
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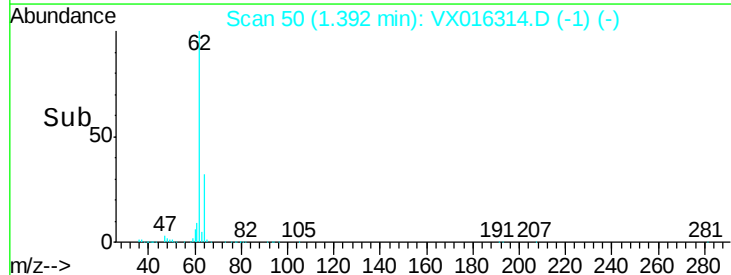
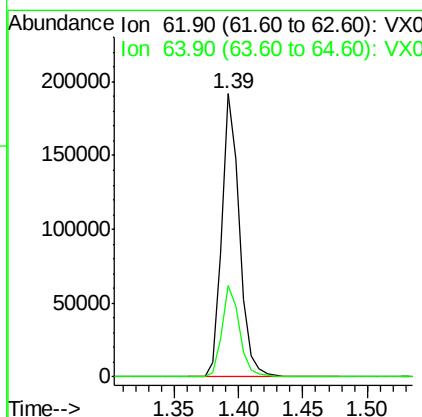
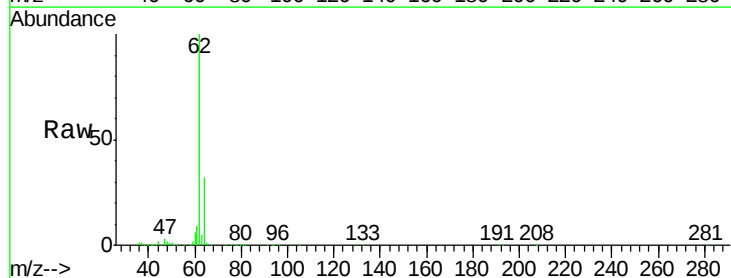
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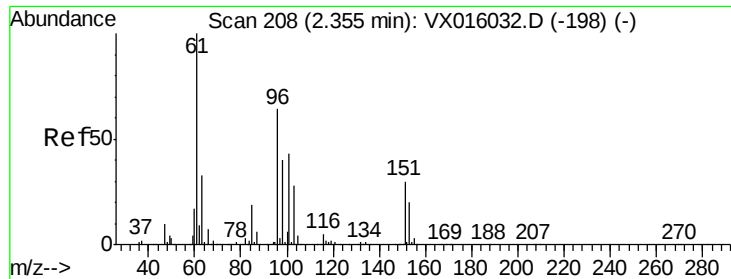


#4

Vinyl Chloride
 Concen: 54.517 ug/l
 RT: 1.39 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	186410		
64	32.3	25.7	38.5	





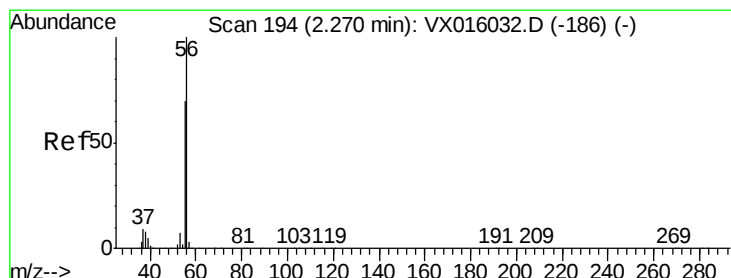
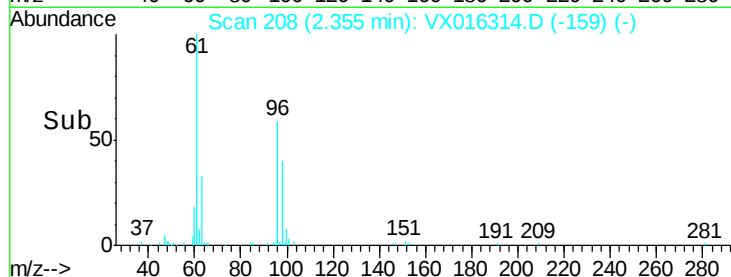
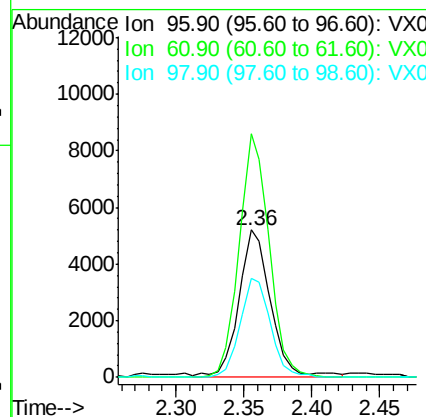
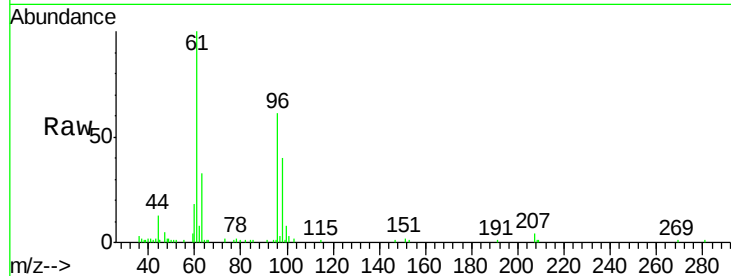
#12
1,1-Dichloroethene
Concen: 3.145 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Instrument :
MSVOA_X
ClientSampleId :
WP021MW347-200514

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.7	124.8	187.2
98	67.4	49.7	74.5

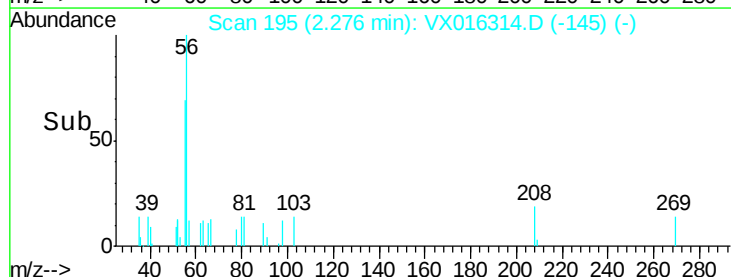
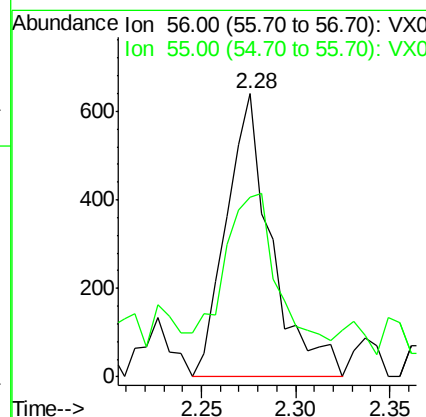
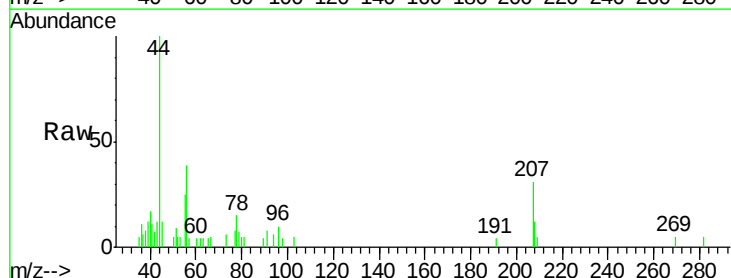
Manual Integrations
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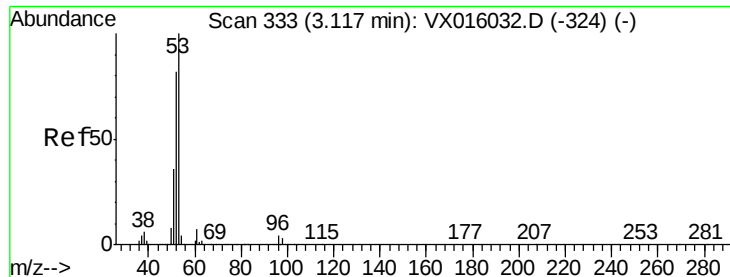
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#13
Acrolein
Concen: 1.952 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.5	56.5	84.7





#15

Acrylonitrile

Concen: 0.668 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

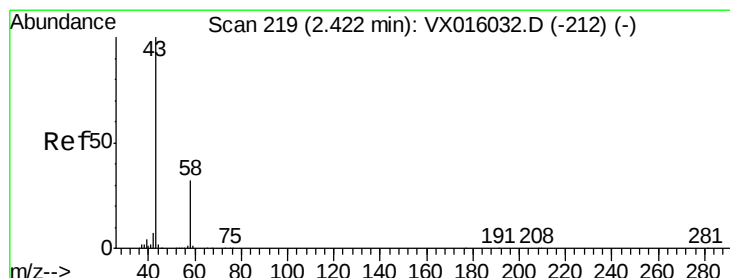
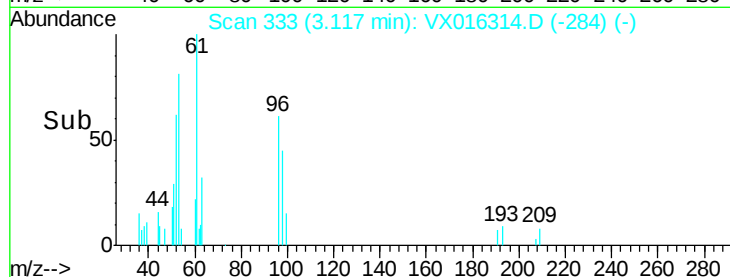
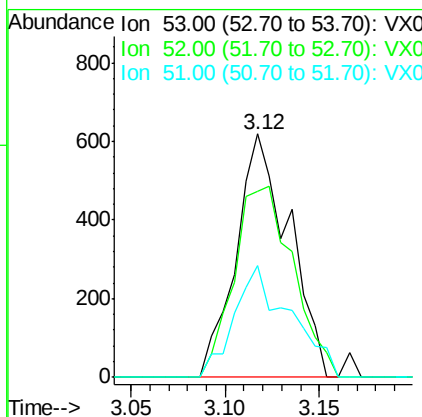
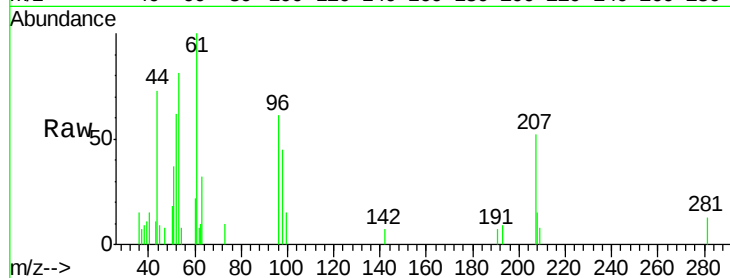
ClientSampleId :

WP021MW347-200514

Tot Ion:	53	Resp:	1202
Ion	Ratio	Lower	Upper
53	100		
52	87.7	66.1	99.1
51	48.4	28.8	43.2#

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#16

Acetone

Concen: 0.876 ug/l

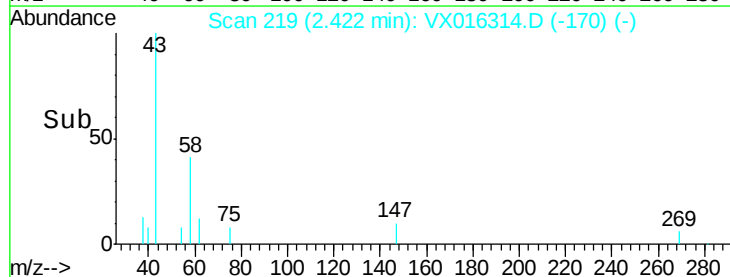
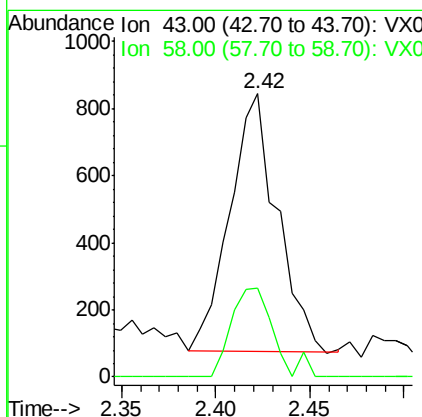
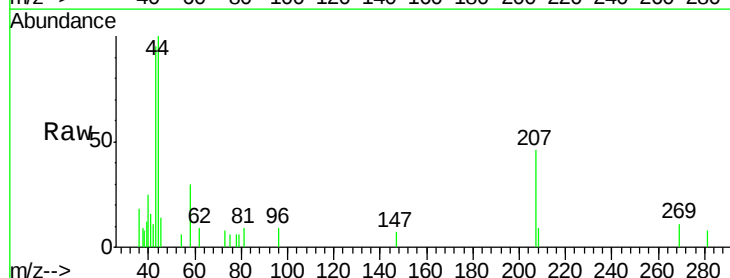
RT: 2.42 min Scan# 219

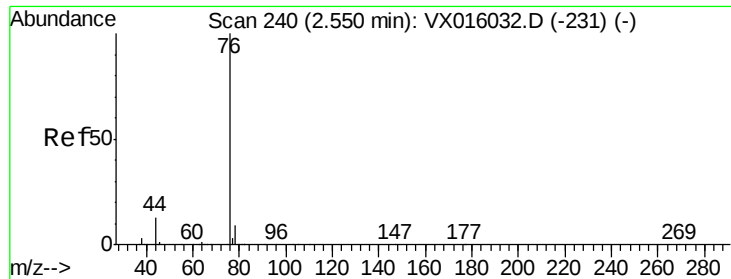
Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Tgt Ion:	43	Resp:	1341
Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.4	38.0





#17

Carbon Disulfide

Concen: 0.439 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

ClientSampleId :

WP021MW347-200514

Tot Ion: 76 Resp: 5242

Ion Ratio Lower Upper

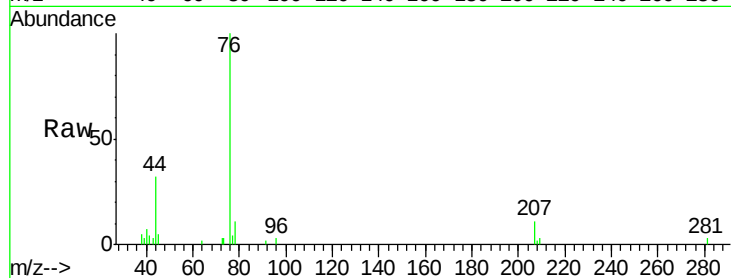
76 100

78 9.6 7.5 11.3

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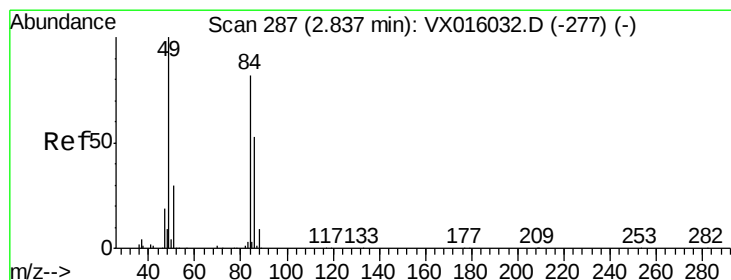
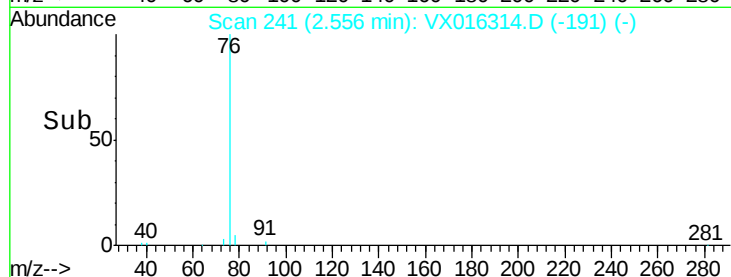
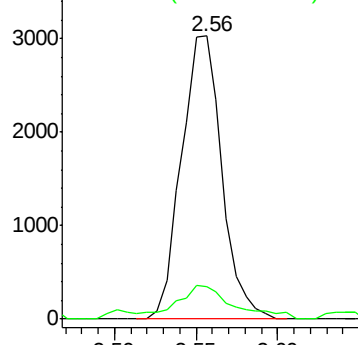
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.305 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Tgt Ion: 84 Resp: 962

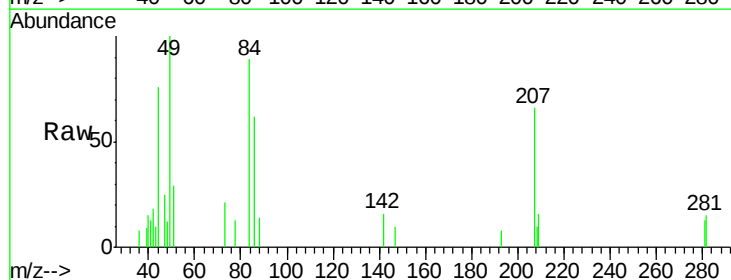
Ion Ratio Lower Upper

84 100

49 112.3 97.3 145.9

51 32.1 29.3 43.9

86 69.8 51.3 76.9

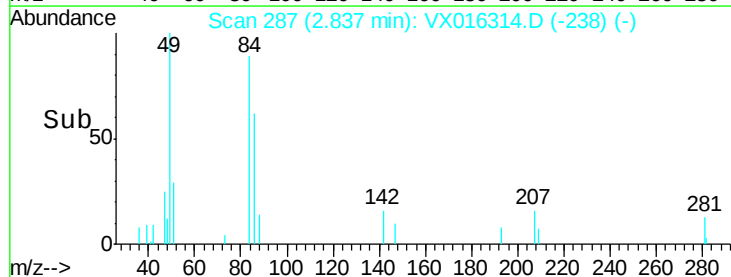
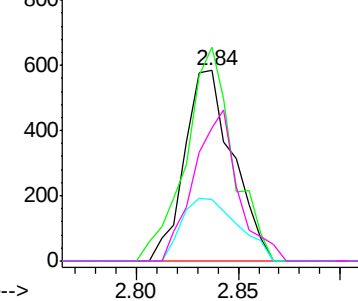


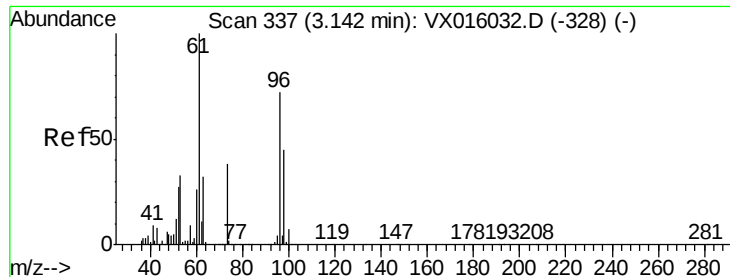
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 4.064 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

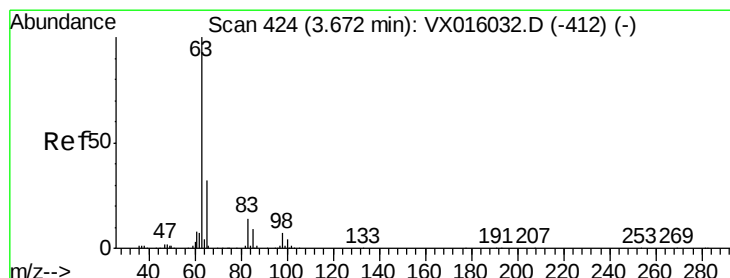
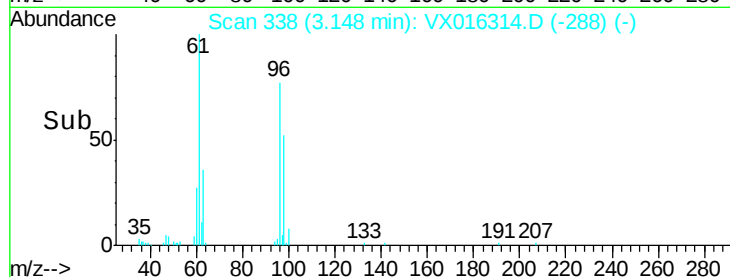
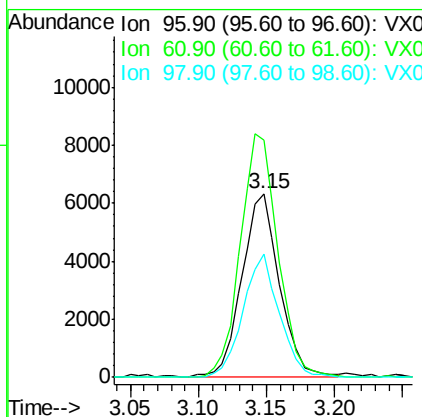
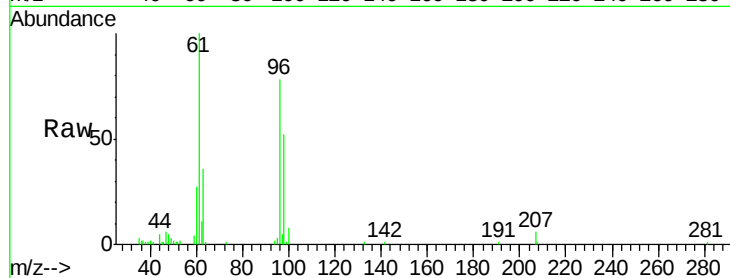
ClientSampleId :

WP021MW347-200514

Tot Ion:	96	Resp:	12274
Ion	Ratio	Lower	Upper
96	100		
61	128.8	111.2	166.8
98	67.4	50.2	75.4

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#24

1,1-Dichloroethane

Concen: 0.873 ug/l

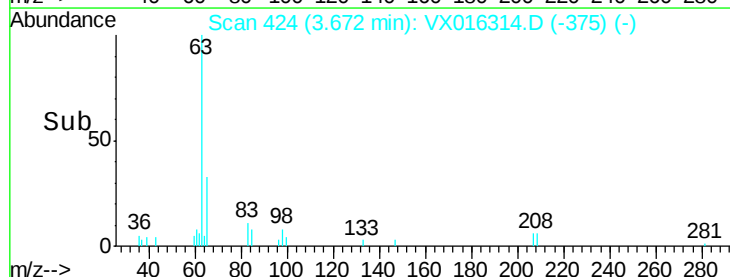
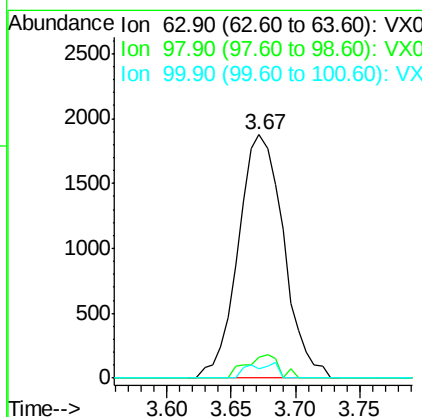
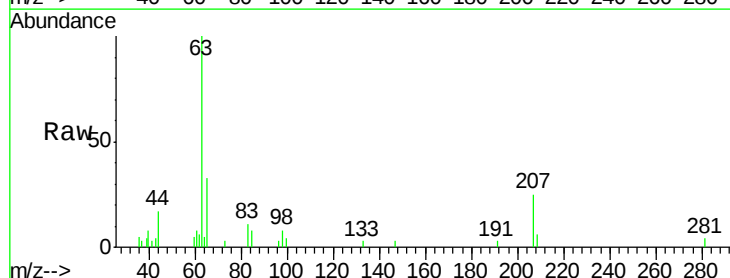
RT: 3.67 min Scan# 424

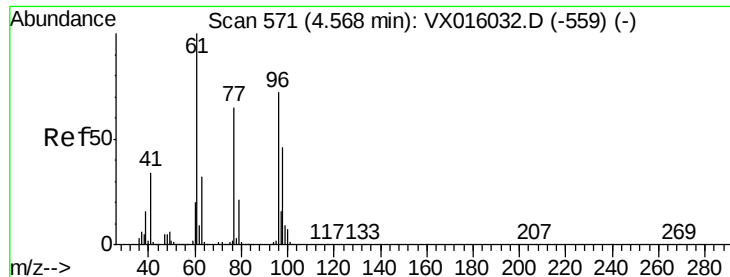
Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Tgt Ion:	63	Resp:	4580
Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.5	10.5
100	3.6	2.1	6.5





#27

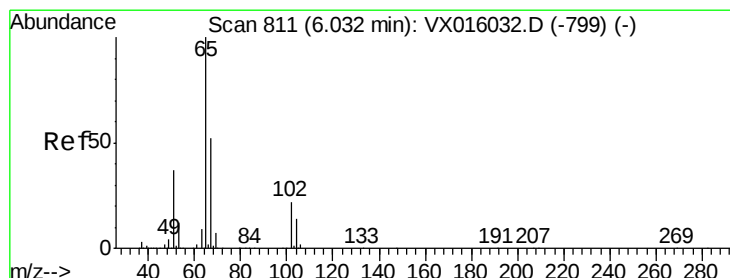
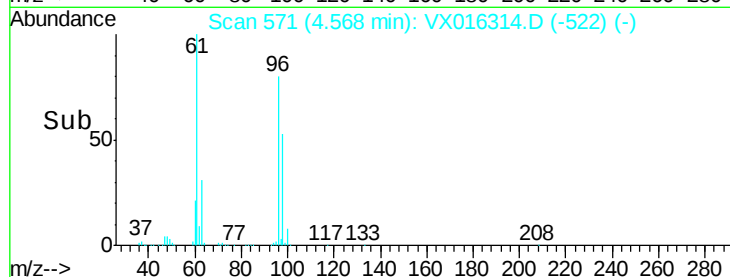
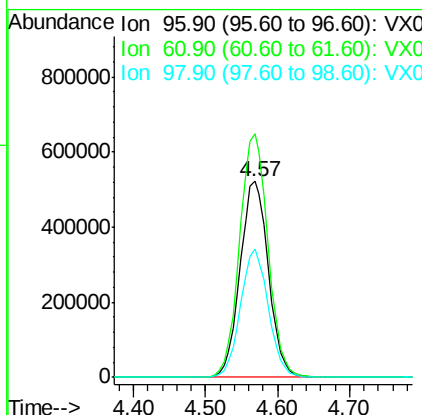
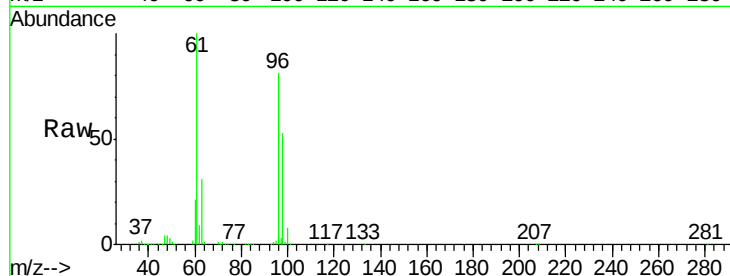
cis-1,2-Dichloroethene
Concen: 432.584 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Instrument :
MSVOA_X
ClientSampleId :
WP021MW347-200514

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.2	0.0	296.2
98	64.1	0.0	129.4

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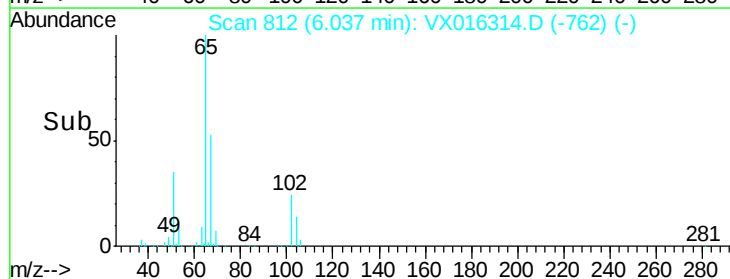
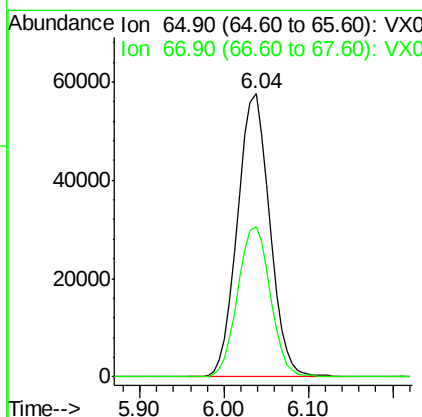
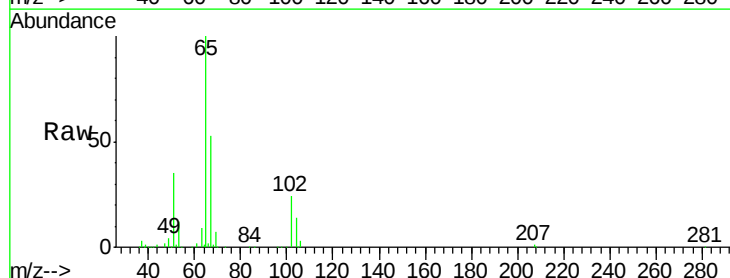
MMDadoda
5/19/2020 2:27:14 PM

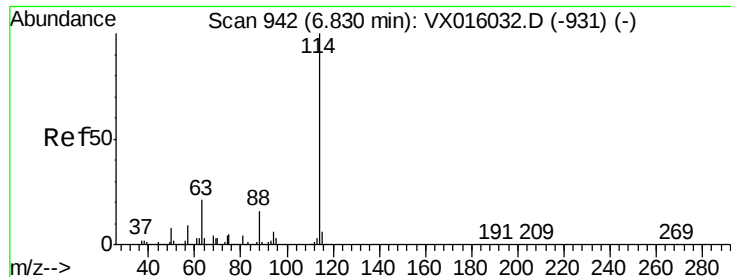


#33

1,2-Dichloroethane-d4
Concen: 43.535 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

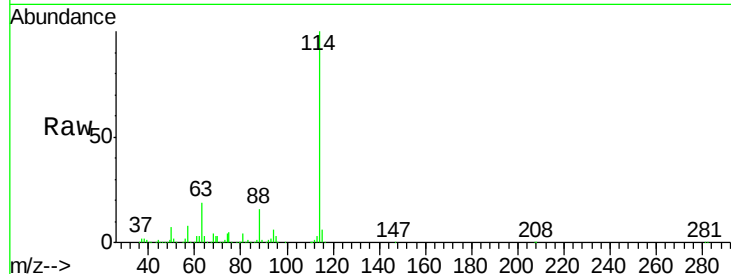
ClientSampleId :

WP021MW347-200514

Tot Ion:	114	Resp:	429270
Ion Ratio	Lower	Upper	
114	100		
63	19.3	0.0	42.8
88	15.8	0.0	31.4

Manual Integrations
APPROVED

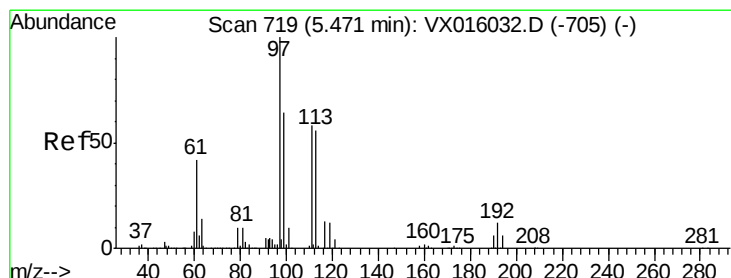
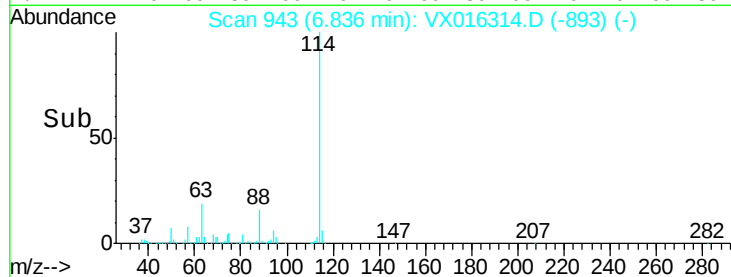
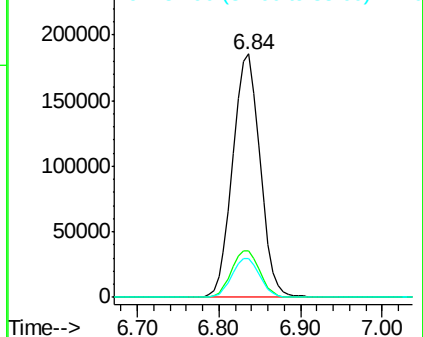
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.997 ug/l

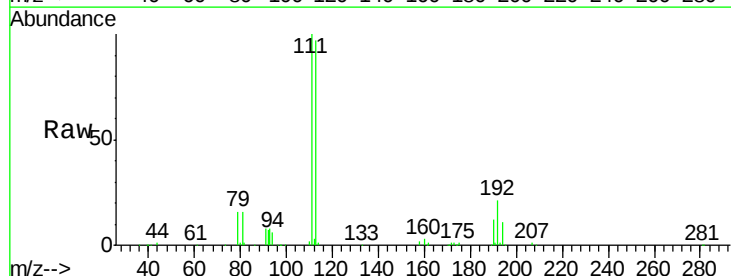
RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

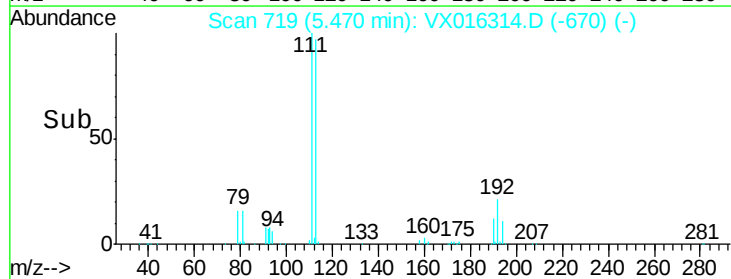
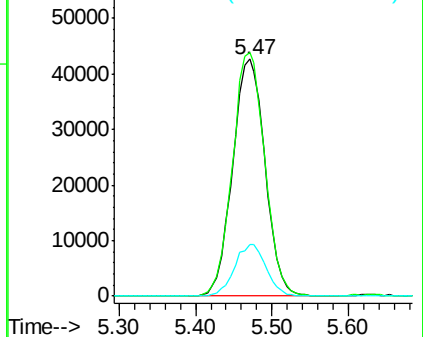
Tgt Ion:	113	Resp:	125094
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.6	122.4
192	21.4	17.0	25.4

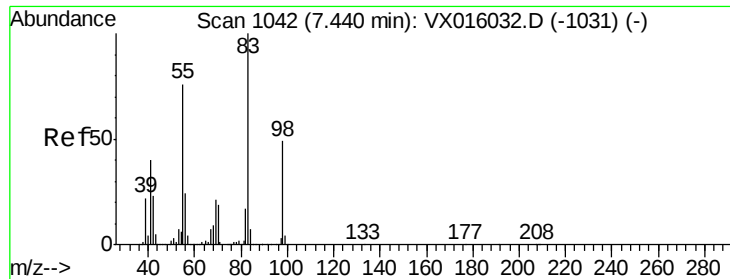


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





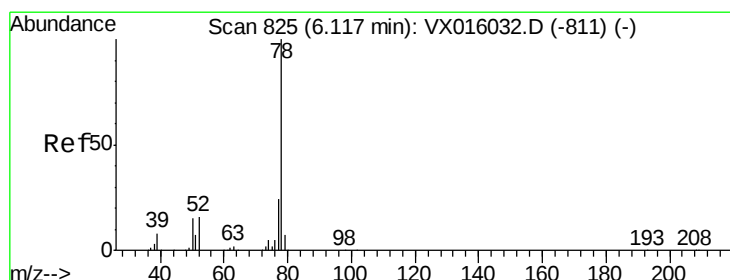
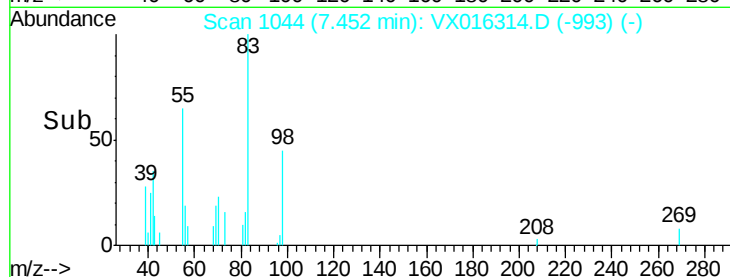
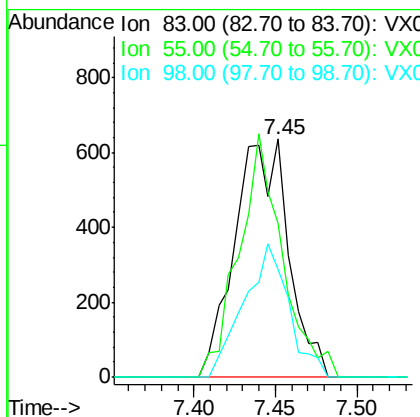
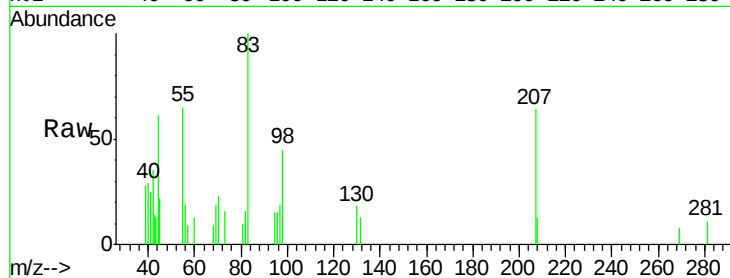
#39
Methvlcvclohexane
Concen: 0.284 ug/l
RT: 7.45 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Instrument :
MSVOA_X
ClientSampleId :
WP021MW347-200514

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.7	61.1	91.7
98	45.2	39.0	58.4

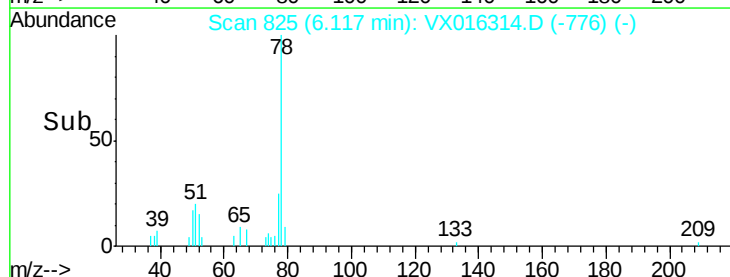
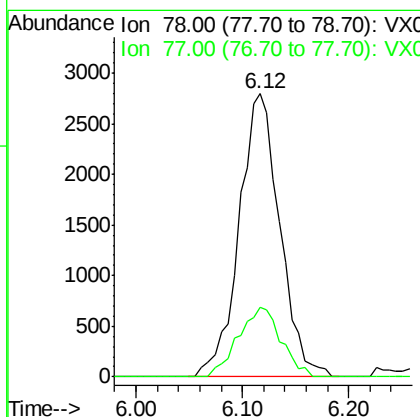
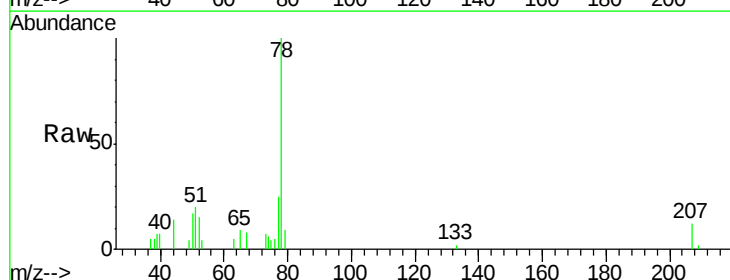
Manual Integrations
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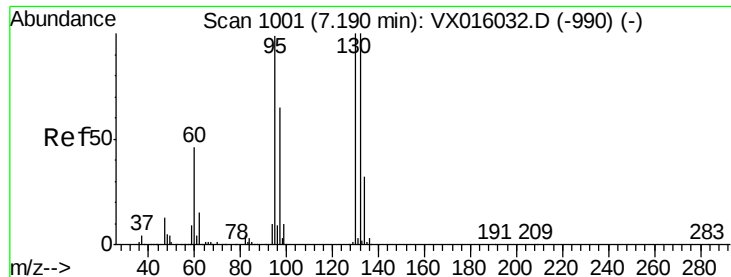
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#40
Benzene
Concen: 0.605 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4





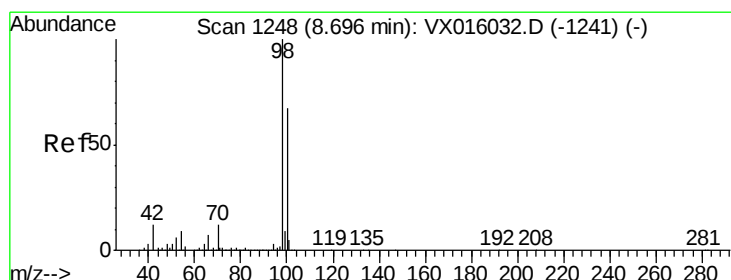
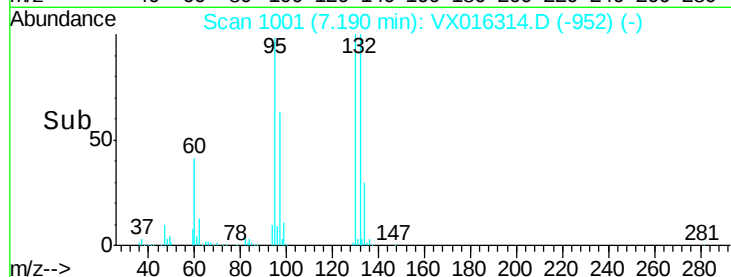
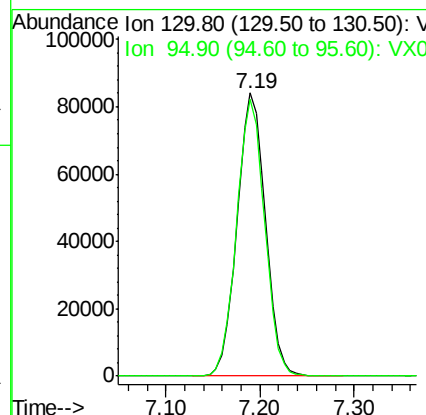
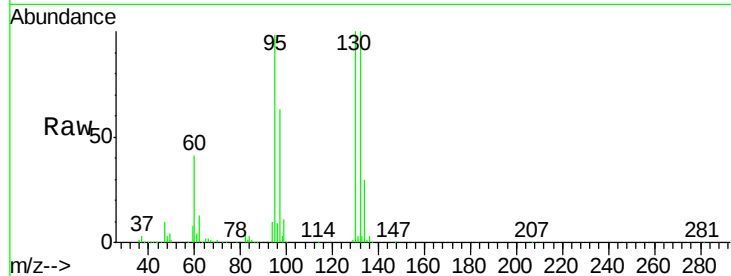
#44
 Trichloroethene
 Concen: 40.136 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW347-200514

Tot Ion	Ratio	Resp	Lower	Upper
130	100	176294		
95	97.7	0.0	197.4	

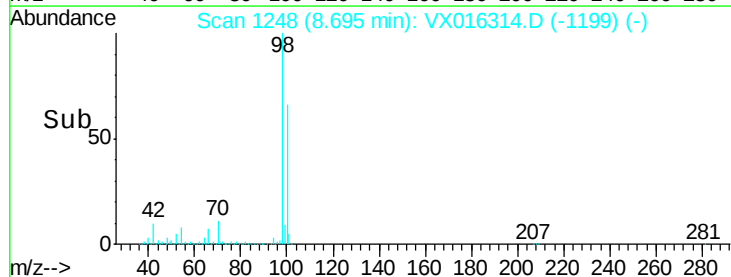
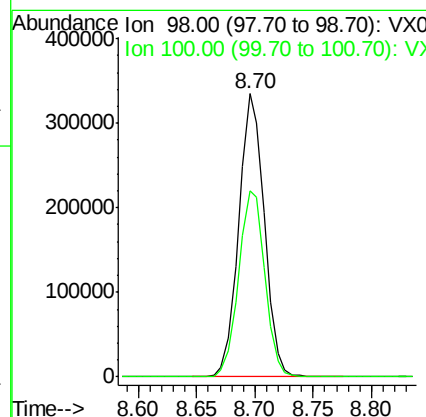
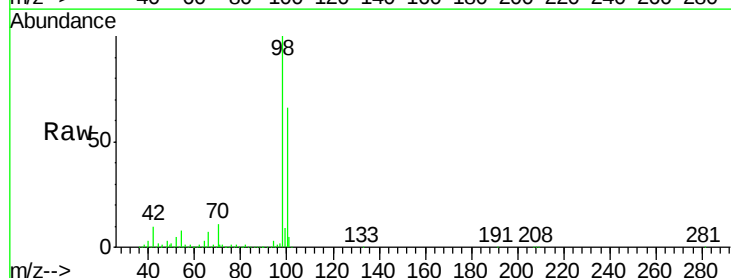
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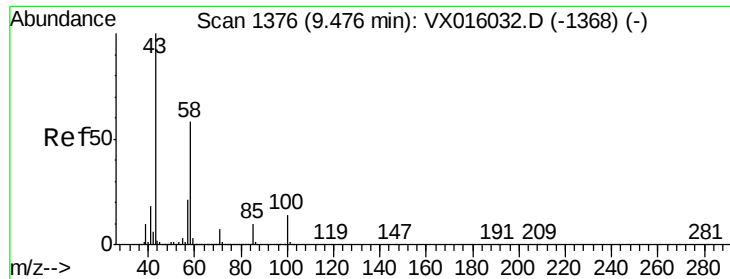
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#50
 Toluene-d8
 Concen: 48.979 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	513241		
100	67.6	53.7	80.5	





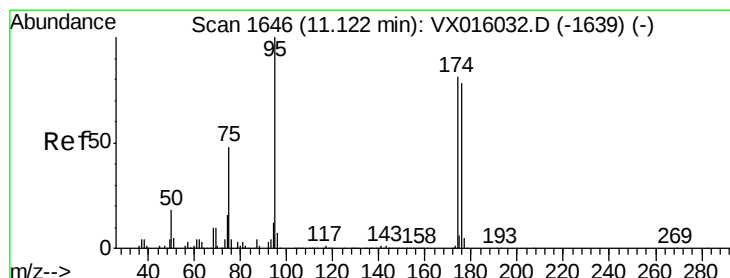
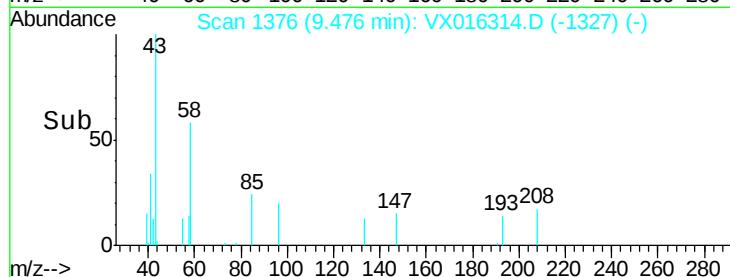
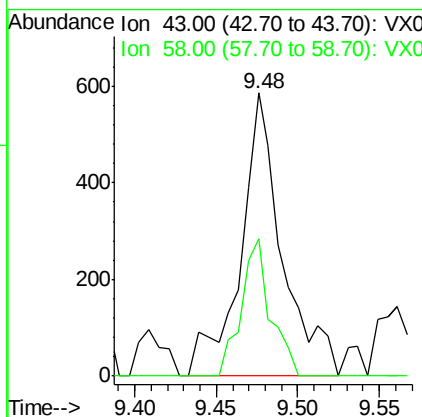
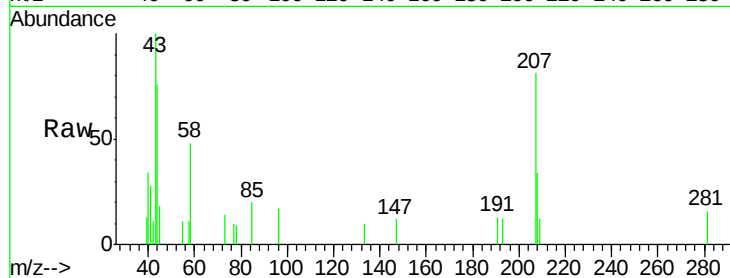
#59
2-Hexanone
Concen: 0.279 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Instrument :
MSVOA_X
ClientSampleId :
WP021MW347-200514

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.7	28.6	85.9

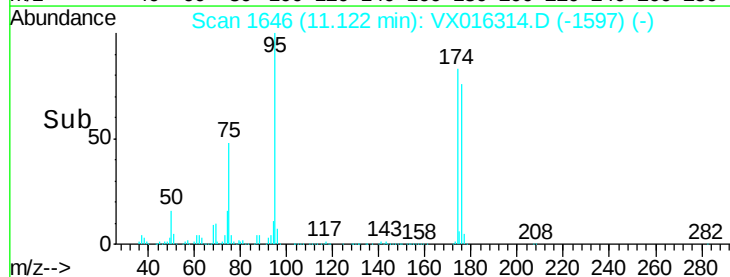
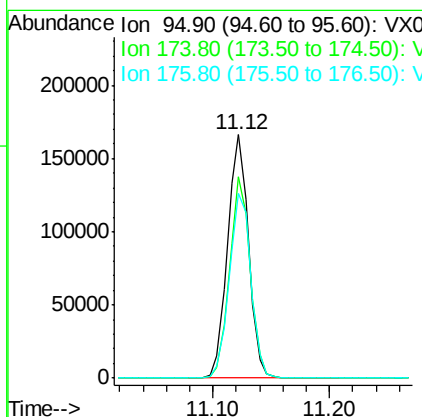
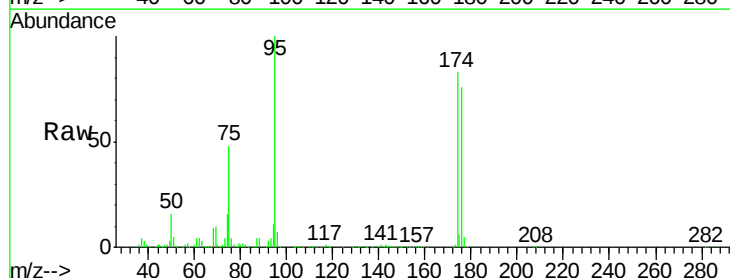
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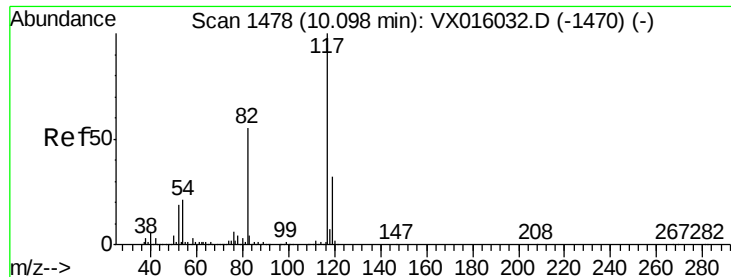
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#62
4-Bromofluorobenzene
Concen: 52.116 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.2	0.0	159.4
176	78.5	0.0	157.6





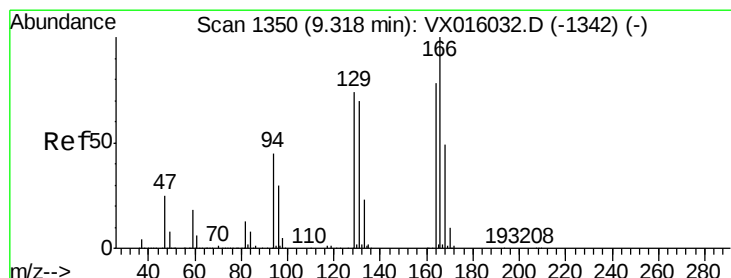
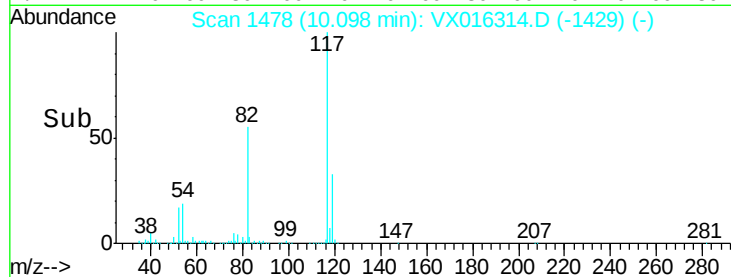
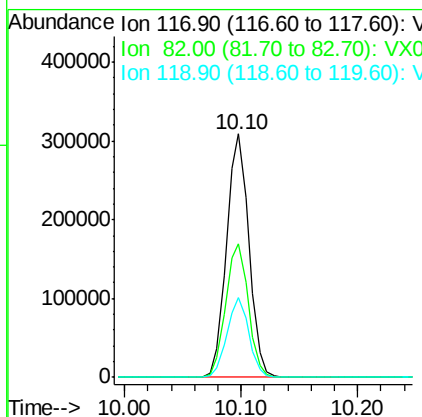
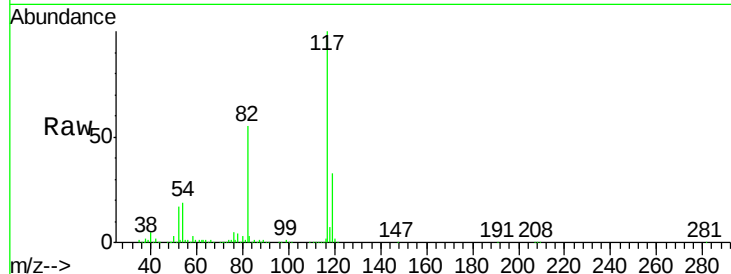
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Instrument :
MSVOA_X
ClientSampleId :
WP021MW347-200514

Tot Ion	Ratio	Resp	Lower	Upper
117	100	412503		
82	55.0		44.4	66.6
119	32.6		25.5	38.3

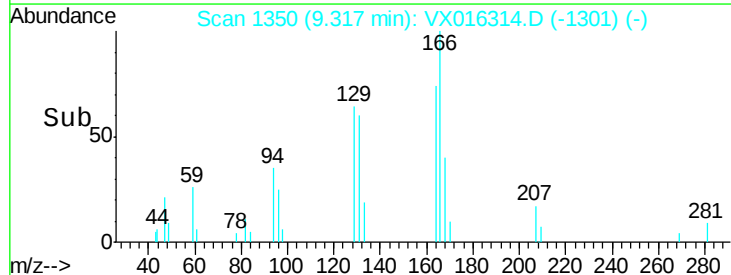
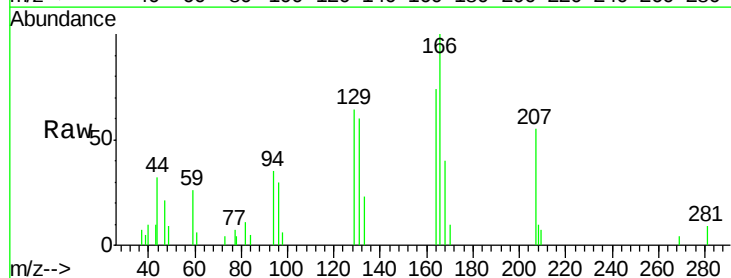
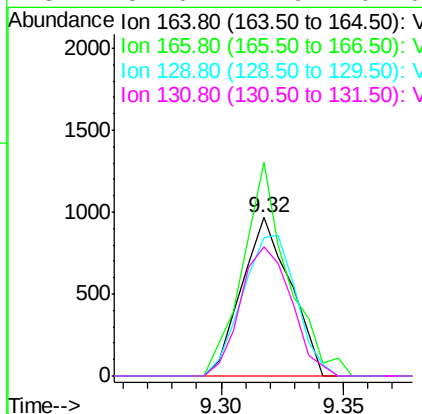
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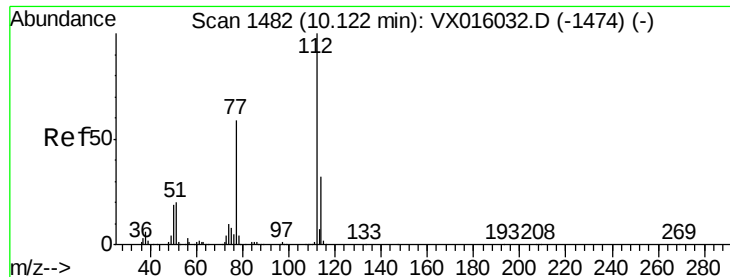
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#64
Tetrachloroethene
Concen: 0.264 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1336		
166	135.0		102.9	154.3
129	87.0		76.1	114.1
131	81.6		71.9	107.9





#65

Chlorobenzene

Concen: 5.848 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

ClientSampleId :

WP021MW347-200514

Tot Ion:112 Resp: 50515

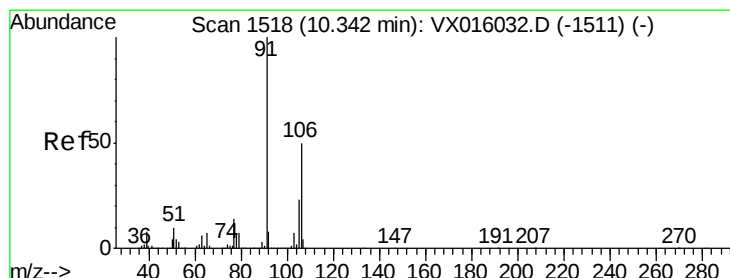
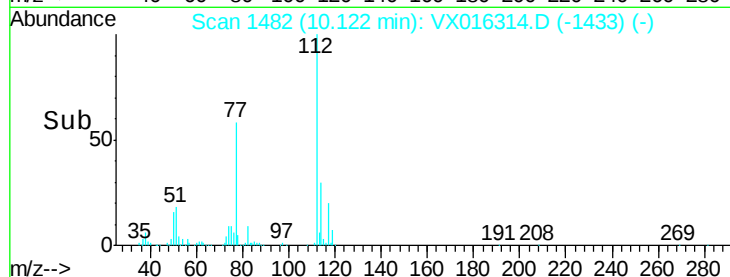
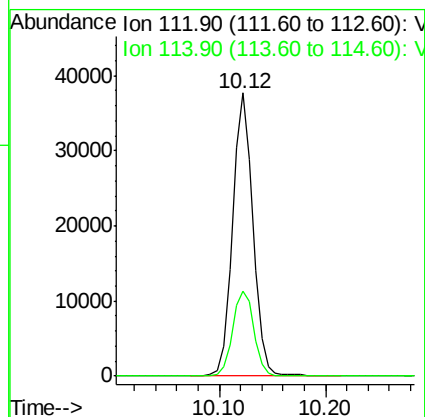
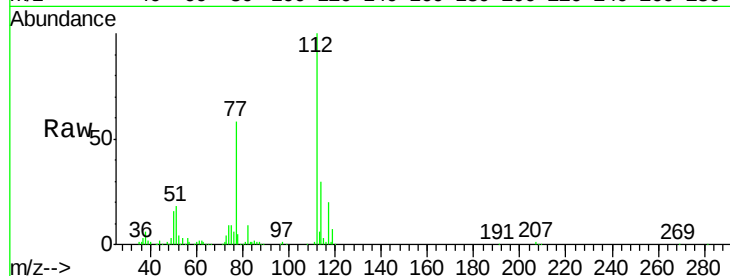
Ion Ratio Lower Upper

112 100

114 30.2 25.7 38.5

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#68

m/p-Xylenes

Concen: 0.243 ug/l

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX016314.D

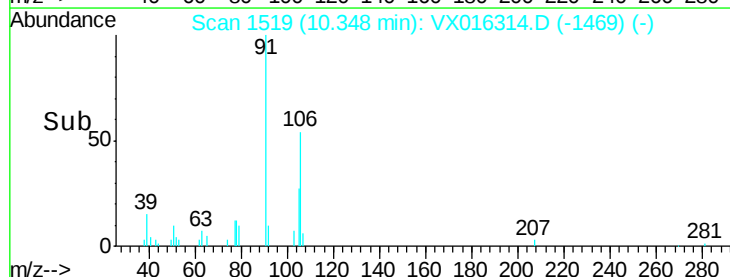
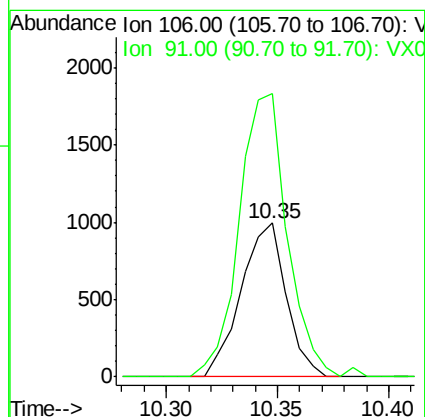
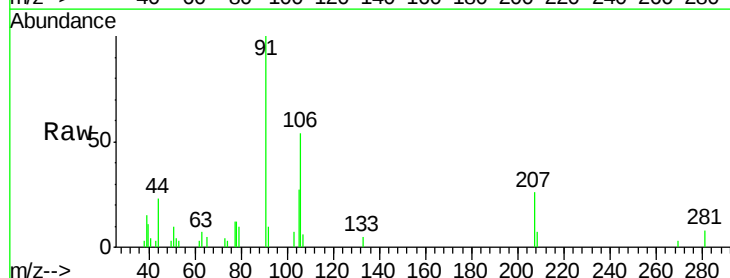
Acq: 18 May 2020 21:28

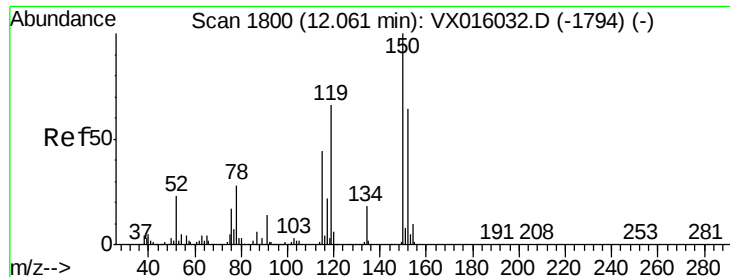
Tgt Ion:106 Resp: 1403

Ion Ratio Lower Upper

106 100

91 197.9 161.7 242.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

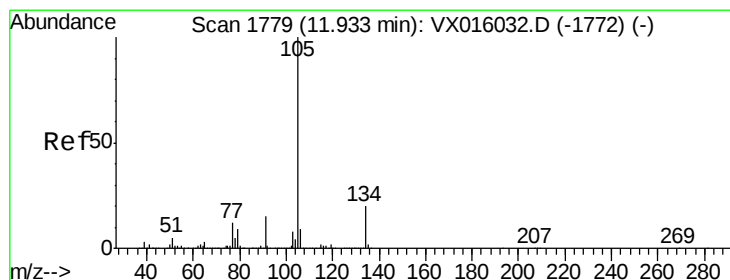
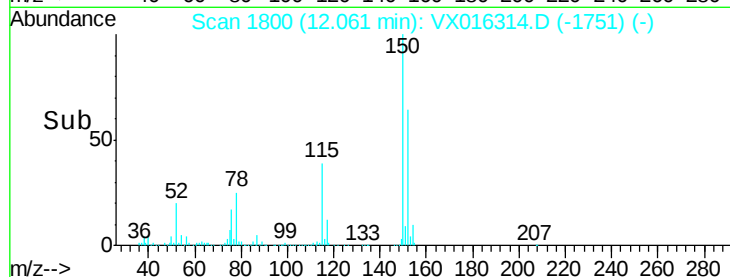
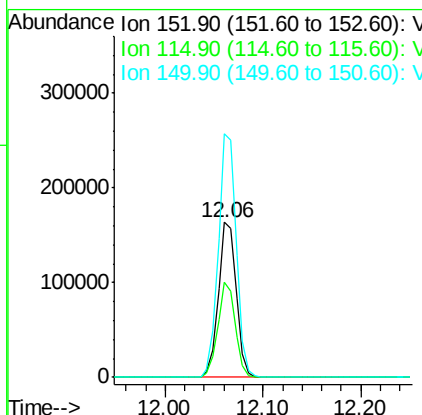
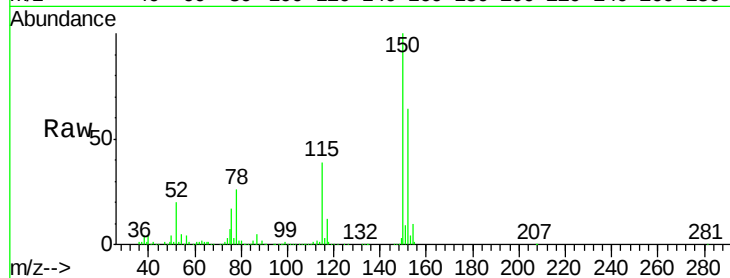
ClientSampleId :

WP021MW347-200514

Tot Ion:	152	Resp:	206418
Ion Ratio	Lower	Upper	
152	100		
115	59.7	41.3	124.1
150	157.4	0.0	352.2

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#85

sec-Butylbenzene

Concen: 0.239 ug/l

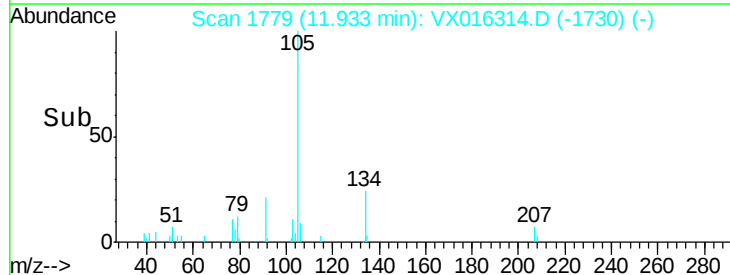
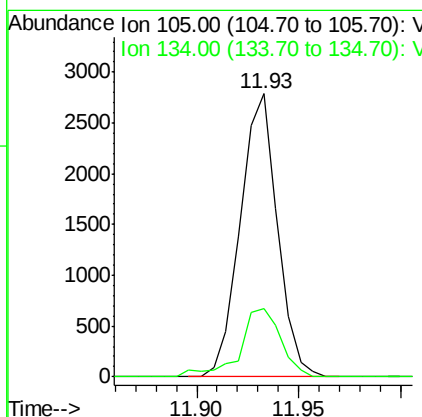
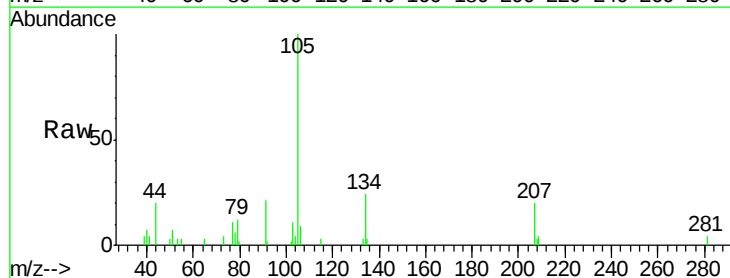
RT: 11.93 min Scan# 1779

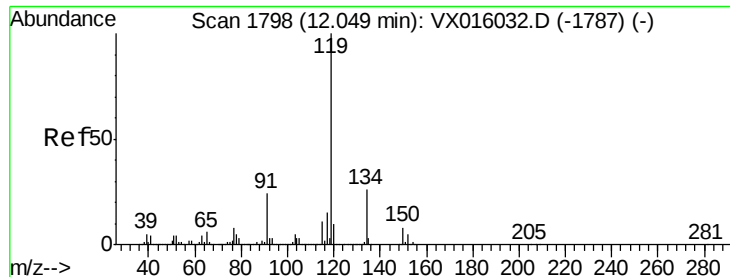
Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Tgt Ion:	105	Resp:	3525
Ion Ratio	Lower	Upper	
105	100		
134	26.3	10.1	30.3





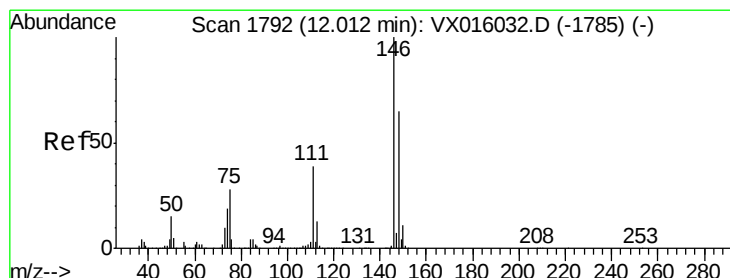
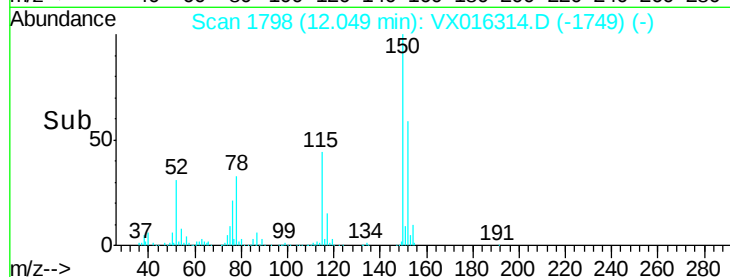
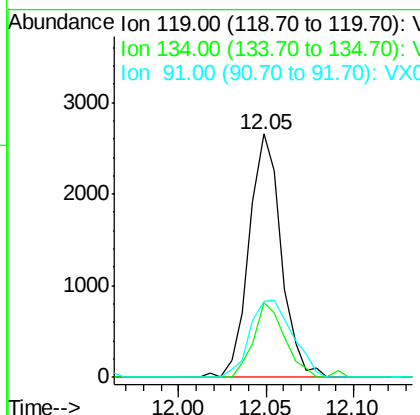
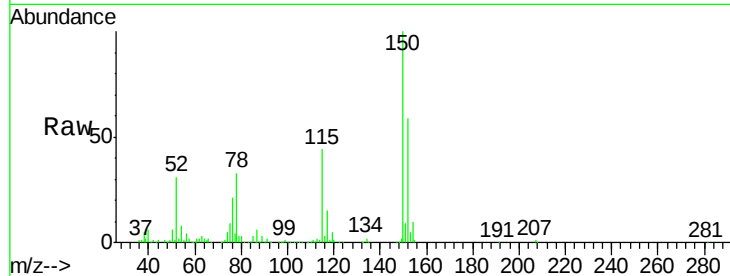
#86
p-Isopropyltoluene
Concen: 0.247 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Instrument :
MSVOA_X
ClientSampleId :
WP021MW347-200514

Tot Ion	Ratio	Resp	Lower	Upper
119	100	3387		
134	29.7		13.1	39.3
91	42.2		11.8	35.4

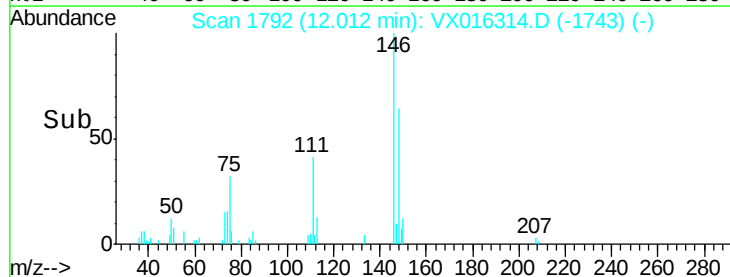
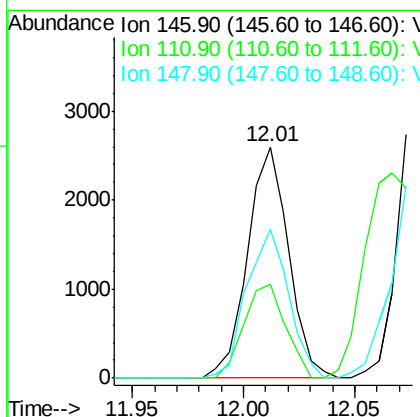
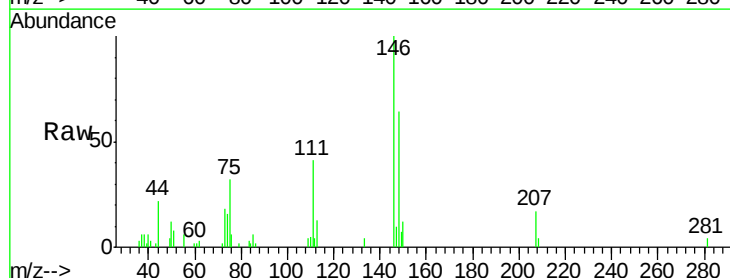
Manual Integrations
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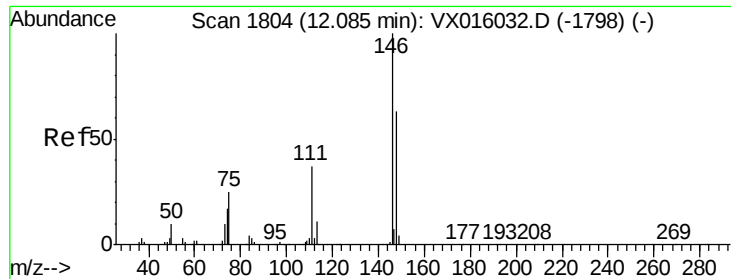
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 0.479 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX016314.D
Acq: 18 May 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	3335		
111	41.2		20.2	60.6
148	66.0		32.1	96.3





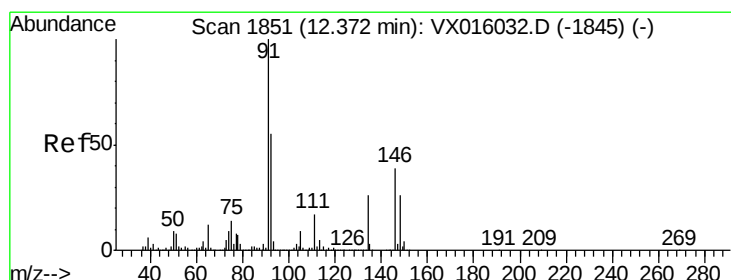
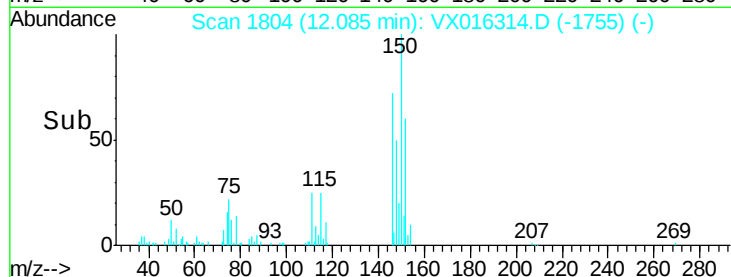
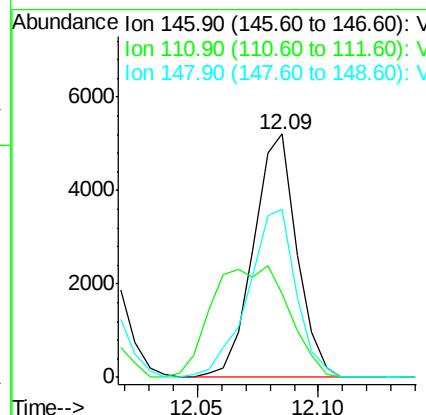
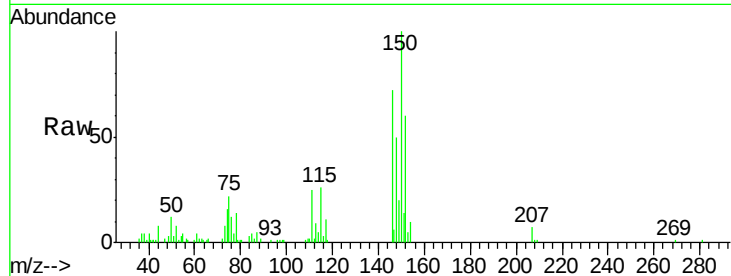
#88
 1,4-Dichlorobenzene
 Concen: 0.919 ug/l m
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW347-200514

Tot Ion	Ratio	Resp	Lower	Upper
146	100	6489		
111	21.2		19.6	58.7
148	33.9		31.8	95.3

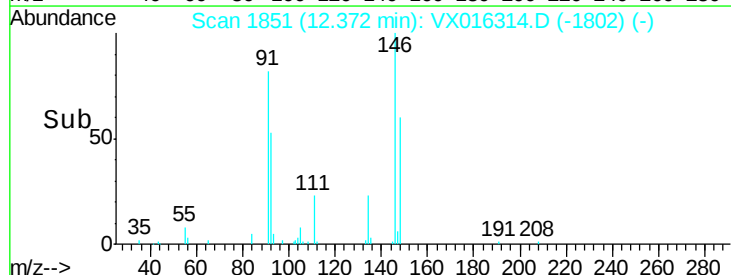
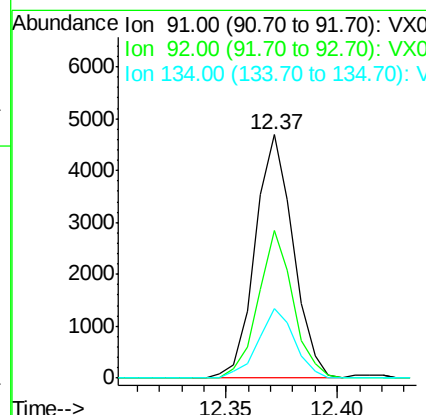
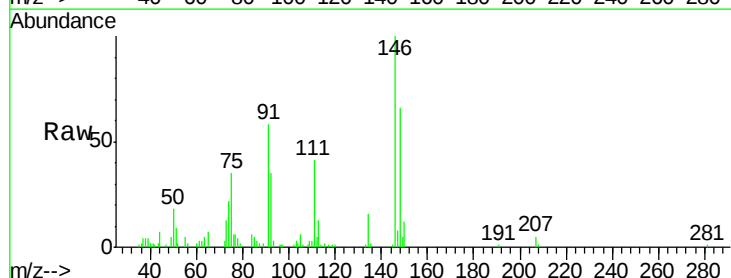
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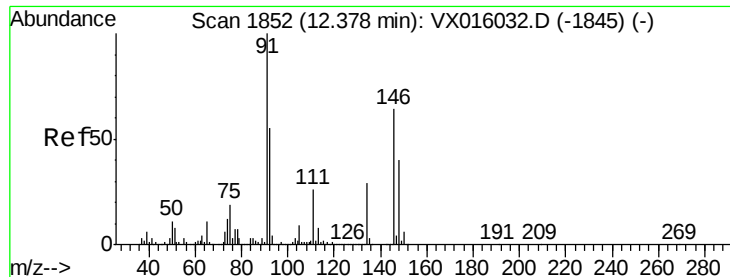
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#89
 n-Butylbenzene
 Concen: 0.445 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	5565		
92	55.7		27.6	82.7
134	27.3		13.4	40.1





#91

1,2-Dichlorobenzene

Concen: 1.762 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

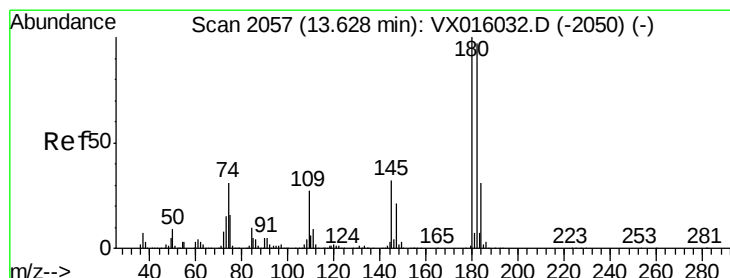
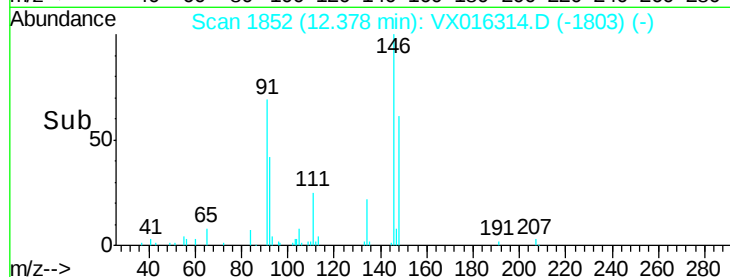
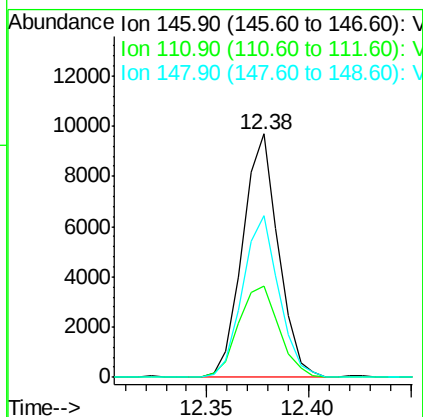
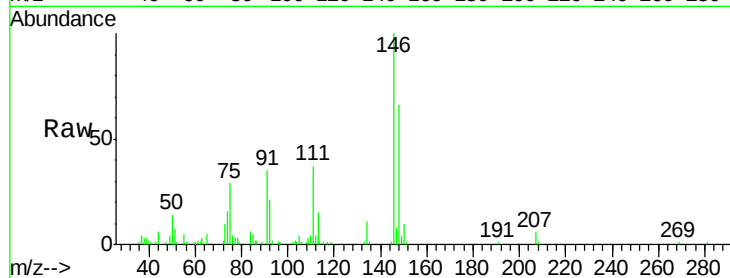
ClientSampleId :

WP021MW347-200514

Tot Ion:	146	Resp:	11808
Ion Ratio	Lower	Upper	
146	100		
111	42.1	21.1	63.1
148	67.2	32.4	97.0

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#93

1,2,4-Trichlorobenzene

Concen: 0.540 ug/l

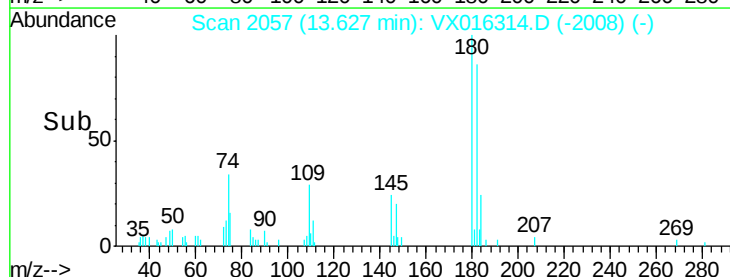
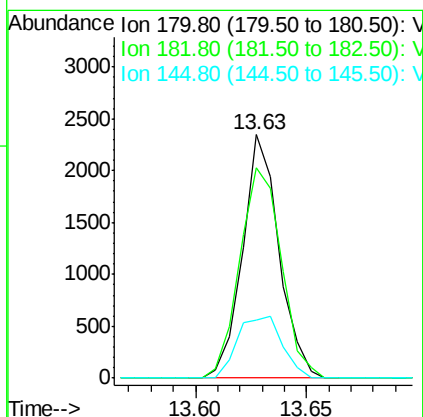
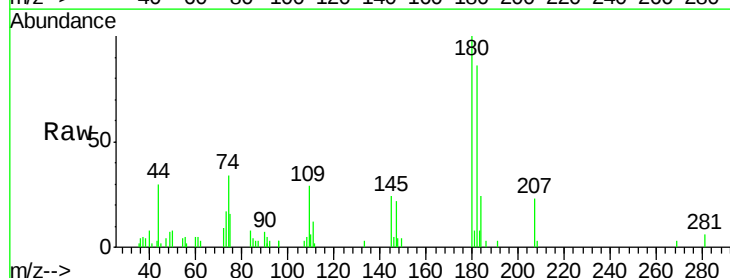
RT: 13.63 min Scan# 2057

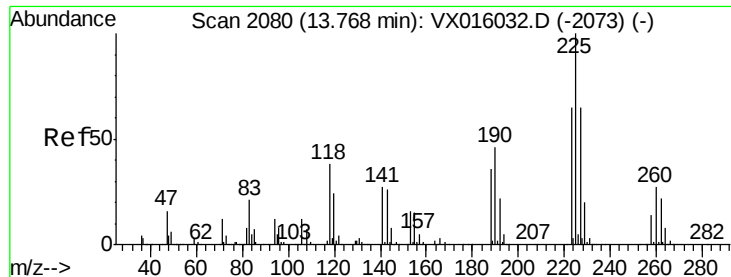
Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Tgt Ion:	180	Resp:	2680
Ion Ratio	Lower	Upper	
180	100		
182	98.5	48.7	146.1
145	30.9	15.7	47.1





#94

Hexachlorobutadiene

Concen: 2.291 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Instrument :

MSVOA_X

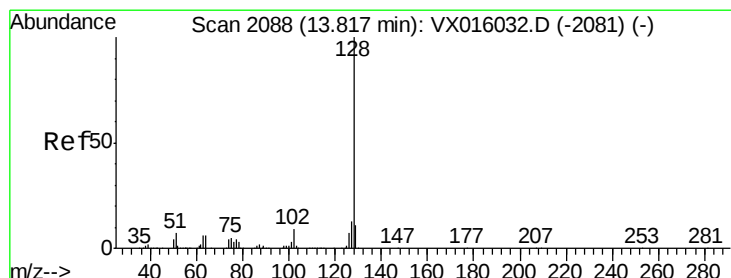
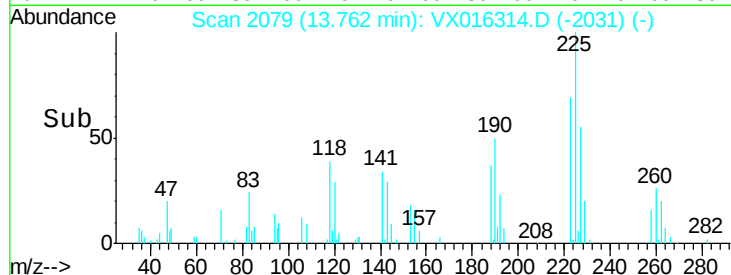
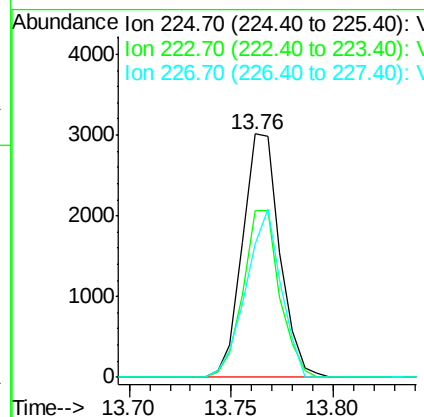
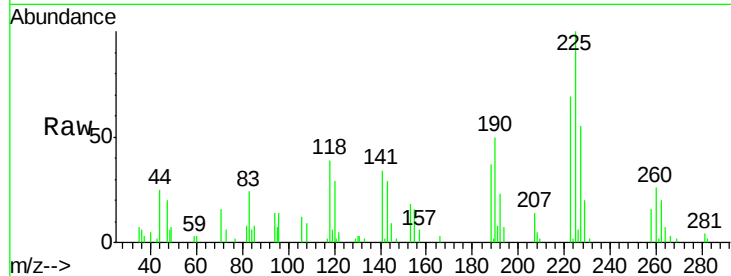
ClientSampleId :

WP021MW347-200514

Tot Ion:	225	Resp:	3815
Ion Ratio		Lower	Upper
225	100		
223	67.3	32.3	96.9
227	64.7	31.8	95.4

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#95

Naphthalene

Concen: 0.376 ug/l

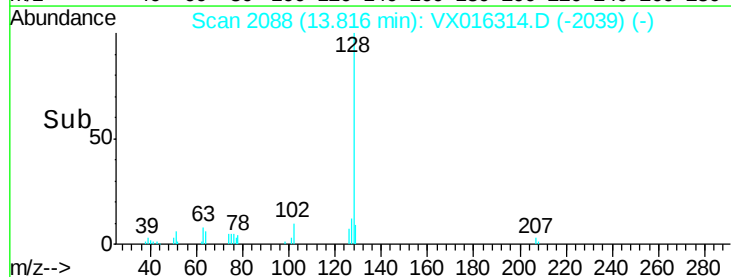
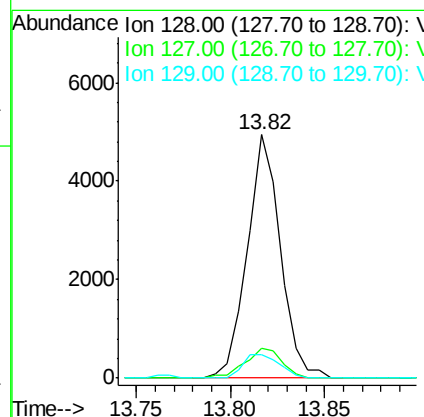
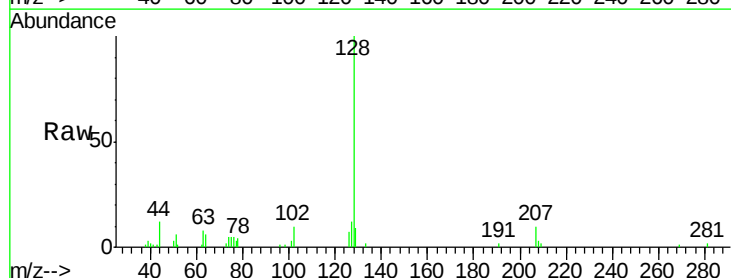
RT: 13.82 min Scan# 2088

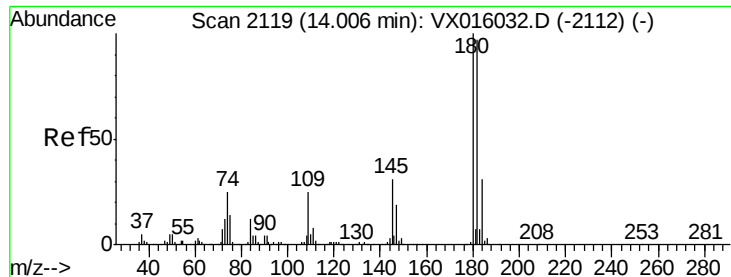
Delta R.T. -0.00 min

Lab File: VX016314.D

Acq: 18 May 2020 21:28

Tgt Ion:	128	Resp:	6037
Ion Ratio		Lower	Upper
128	100		
127	13.5	10.2	15.4
129	10.6	8.7	13.1





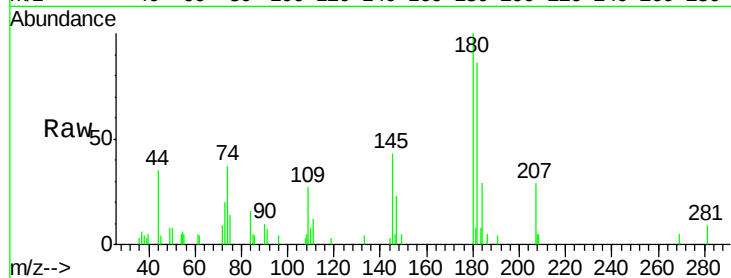
#96
 1,2,3-Trichlorobenzene
 Concen: 0.562 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX016314.D
 Acq: 18 May 2020 21:28

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW347-200514

Tot Ion	Ratio	Resp	Lower	Upper
180	100	2726		
182	90.0		48.4	145.0
145	32.7		16.4	49.1

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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

