

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050619\
 Data File : VX009363.D
 Acq On : 06 May 2019 20:10
 Operator : JC/SP
 Sample : K2697-05MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 9:42:09 AM

Quant Time: May 07 08:18:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	162181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	266385	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	244286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	109652	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	5.49	113	82238	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	8.71	98	331433	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.13	95	120295	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67939	45.459	ug/l	100
3) Chloromethane	1.32	50	95192	46.653	ug/l	98
4) Vinyl Chloride	1.41	62	93652	47.069	ug/l	97
5) Bromomethane	1.64	94	46997	39.354	ug/l	98
6) Chloroethane	1.71	64	60646	47.475	ug/l	99
7) Trichlorofluoromethane	1.92	101	117290	48.496	ug/l	99
8) Diethyl Ether	2.19	74	56495	49.314	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	71684	47.199	ug/l	99
10) Methyl Iodide	2.51	142	63703	37.377	ug/l	99
11) Tert butyl alcohol	3.06	59	147377	287.577	ug/l	98
12) 1,1-Dichloroethene	2.37	96	72710	47.781	ug/l	99
13) Acrolein	2.29	56	102456	220.755	ug/l	100
14) Allyl chloride	2.73	41	171767	46.318	ug/l	99
15) Acrylonitrile	3.14	53	321693	256.728	ug/l	100
16) Acetone	2.45	43	275222	231.510	ug/l	99
17) Carbon Disulfide	2.56	76	188912	44.217	ug/l	100
18) Methyl Acetate	2.78	43	133376	47.175	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	292619	49.519	ug/l	99
20) Methylene Chloride	2.85	84	90446	46.988	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	78301	47.446	ug/l	100
22) Diisopropyl ether	3.86	45	350479	49.143	ug/l	93
23) Vinyl Acetate	3.82	43	1459332	238.959	ug/l	100
24) 1,1-Dichloroethane	3.70	63	169428	48.158	ug/l	100
25) 2-Butanone	4.68	43	477843	258.660	ug/l	99
26) 2,2-Dichloropropane	4.58	77	98648	37.670	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	95461	48.461	ug/l	96
28) Bromochloromethane	5.02	49	71742	50.695	ug/l	100
29) Tetrahydrofuran	5.13	42	315117	265.076	ug/l	100
30) Chloroform	5.21	83	157887	49.619	ug/l	99
31) Cyclohexane	5.58	56	153028	46.752	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	128704	48.588	ug/l	99
36) 1,1-Dichloropropene	5.80	75	115092	46.491	ug/l	99
37) Ethyl Acetate	4.84	43	163516	47.407	ug/l	100
38) Carbon Tetrachloride	5.79	117	105744	47.014	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	136625	44.939	ug/l	99
40) Benzene	6.14	78	363218	47.409	ug/l	98
41) Methacrylonitrile	5.04	41	100228	48.816	ug/l	99
42) 1,2-Dichloroethane	6.20	62	133480	48.569	ug/l	99
43) Isopropyl Acetate	6.45	43	266803	48.359	ug/l	100
44) Trichloroethene	7.21	130	84694	45.727	ug/l	98
45) 1,2-Dichloropropane	7.51	63	105019	48.409	ug/l	98
46) Dibromomethane	7.66	93	59986	47.616	ug/l	99
47) Bromodichloromethane	7.90	83	121525	48.360	ug/l	98
48) Methyl methacrylate	7.77	41	139856	51.095	ug/l	99
49) 1,4-Dioxane	7.74	88	55970	1008.290	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	946914	262.585	ug/l	100
52) Toluene	8.79	92	223127	47.911	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	134947	47.564	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	147762	47.054	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	92696	48.788	ug/l	96
56) Ethyl methacrylate	9.18	69	169720	50.041	ug/l	100
57) 1,3-Dichloropropane	9.37	76	161237	48.224	ug/l	100
59) 2-Hexanone	9.49	43	743101	262.376	ug/l	100
60) Dibromochloromethane	9.58	129	92728	49.969	ug/l	100
61) 1,2-Dibromoethane	9.67	107	93538	48.771	ug/l	99
64) Tetrachloroethene	9.34	164	77244	46.097	ug/l	96
65) Chlorobenzene	10.14	112	230524	47.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	84575	47.737	ug/l	99
67) Ethyl Benzene	10.25	91	426480	47.420	ug/l	100
68) m/p-Xylenes	10.36	106	312397	95.053	ug/l	99
69) o-Xylene	10.70	106	154209	47.556	ug/l	100
70) Stvrene	10.71	104	269256	47.774	ug/l	99
71) Bromoform	10.86	173	72271	50.197	ug/l #	99
73) Isopropylbenzene	11.02	105	409827	46.818	ug/l	99
74) N-amyl acetate	10.90	43	240492	47.123	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	162945	49.934	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	136929m	49.038	ug/l	
77) Bromobenzene	11.26	156	102072	46.980	ug/l	99
78) n-propylbenzene	11.36	91	471441	47.158	ug/l	100
79) 2-Chlorotoluene	11.42	91	282838	45.858	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	348240	47.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	49756	45.593	ug/l	99
82) 4-Chlorotoluene	11.51	91	324114	46.517	ug/l	99
83) tert-Butylbenzene	11.77	119	338747	47.245	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	351416	47.500	ug/l	100
85) sec-Butylbenzene	11.94	105	397499	46.761	ug/l	100
86) p-Isopropyltoluene	12.06	119	362998	47.500	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	183169	47.291	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	183788	47.066	ug/l	99
89) n-Butylbenzene	12.38	91	328786	47.601	ug/l	100
90) Hexachloroethane	12.60	117	61815	47.479	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	189318	47.989	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37430	51.132	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	132233	49.016	ug/l	98

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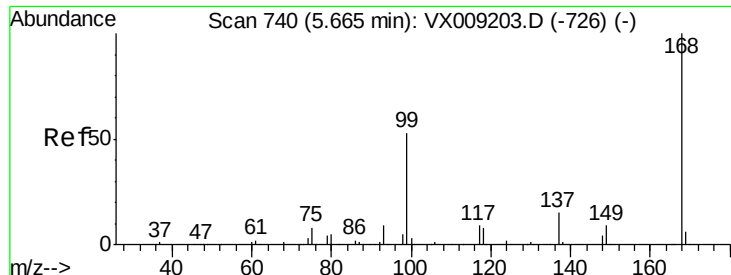
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Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	65964	47.882	ug/l	99
95) Naphthalene	13.83	128	445583	50.768	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	135451	49.532	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion:168 Resp: 162181

Ion Ratio Lower Upper

168 100

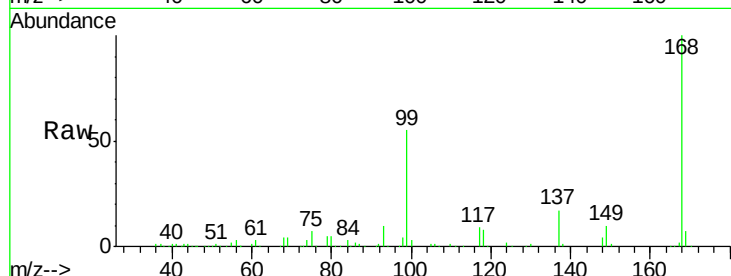
99 54.8 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

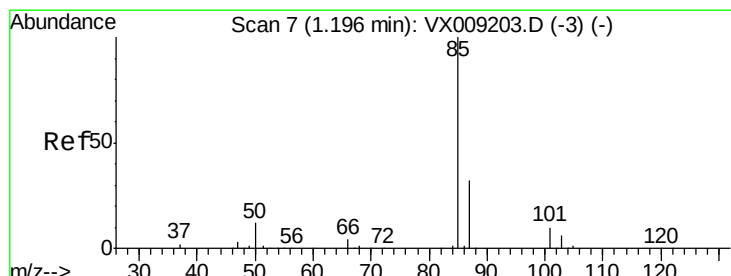
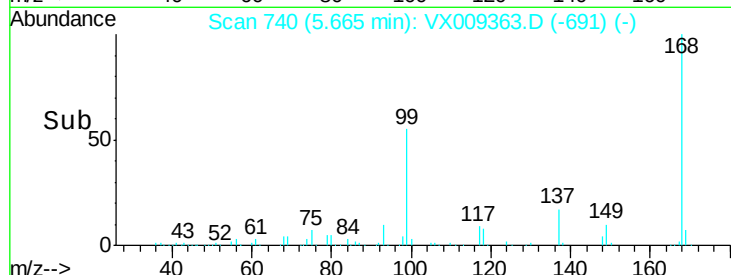
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.459 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009363.D

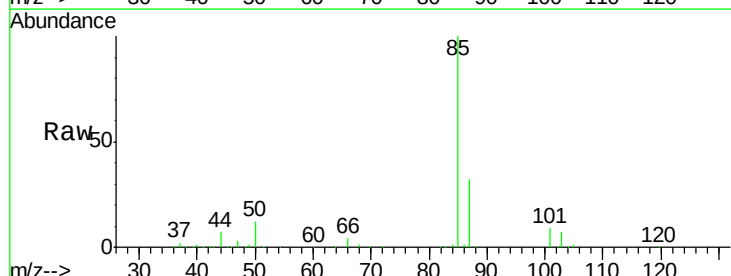
Acq: 06 May 2019 20:10

Tgt Ion: 85 Resp: 67939

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

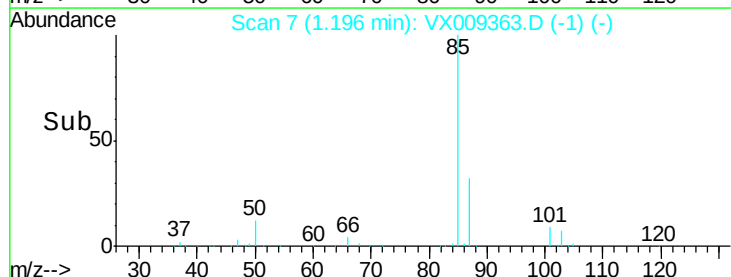
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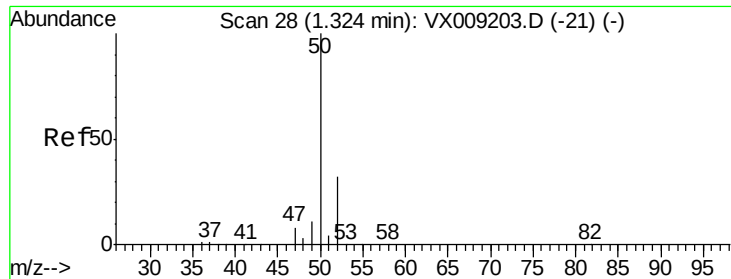
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.653 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion: 50 Resp: 95192

Ion Ratio Lower Upper

50 100

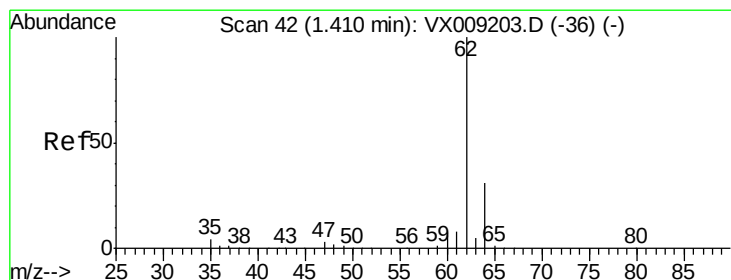
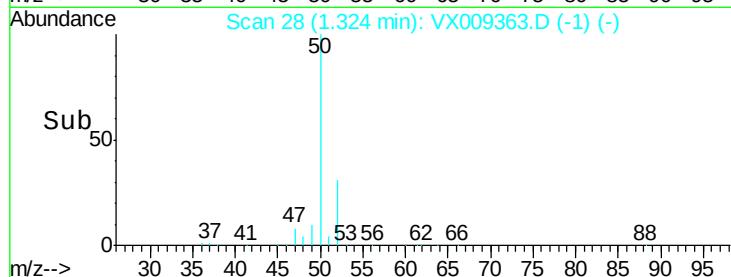
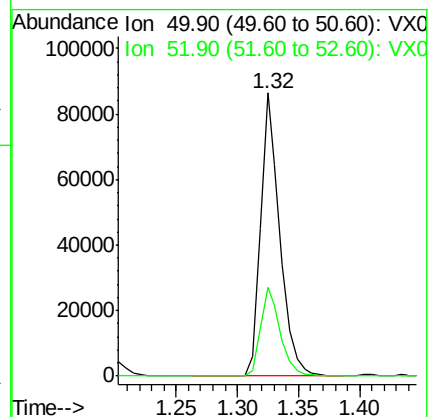
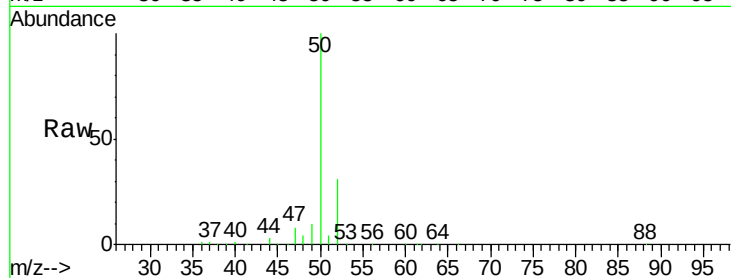
52 31.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.069 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009363.D

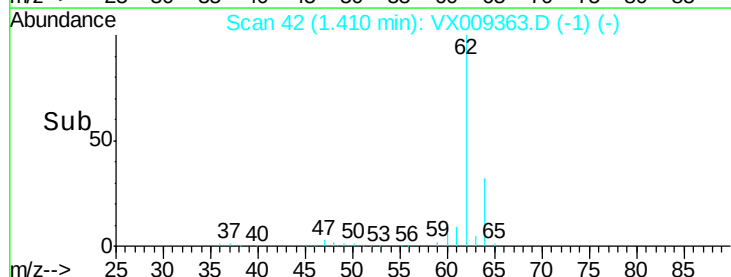
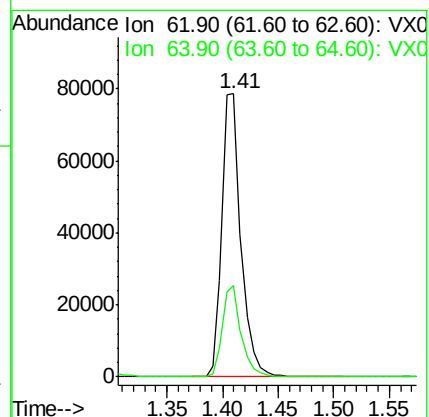
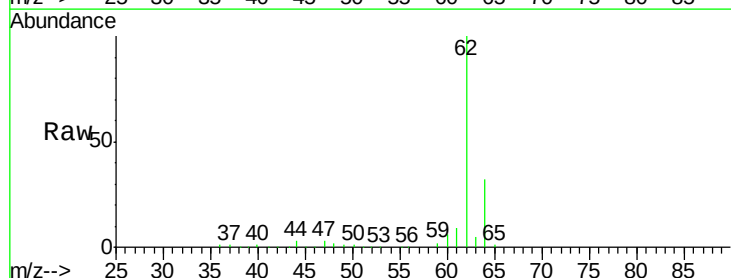
Acq: 06 May 2019 20:10

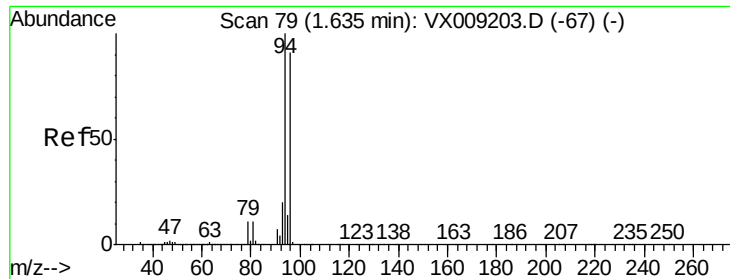
Tgt Ion: 62 Resp: 93652

Ion Ratio Lower Upper

62 100

64 32.1 24.6 36.8





#5

Bromomethane

Concen: 39.354 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion: 94 Resp: 46997

Ion Ratio Lower Upper

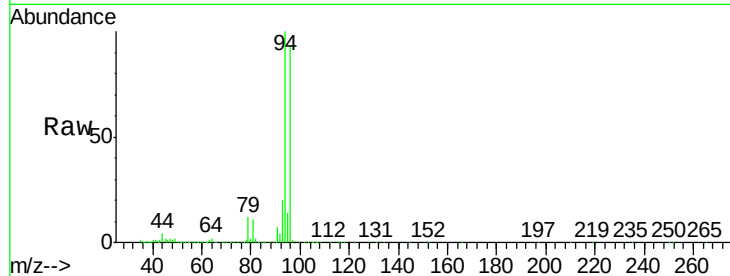
94 100

96 92.8 73.0 109.6

Manual Integrations
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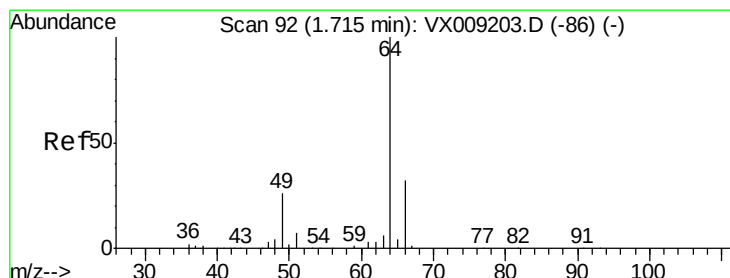
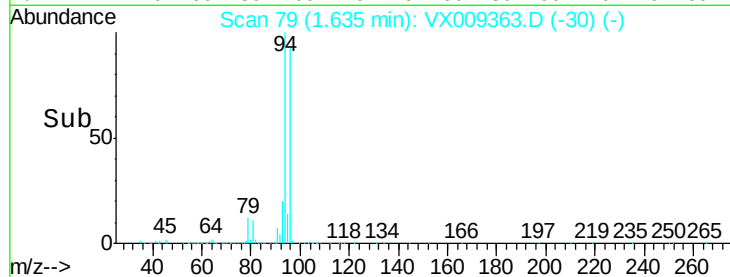
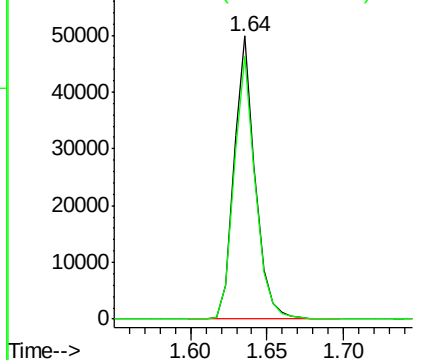
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.475 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009363.D

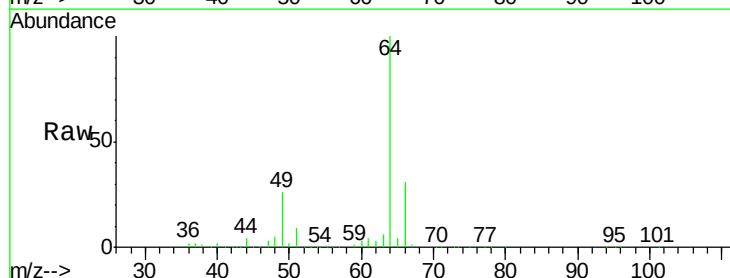
Acq: 06 May 2019 20:10

Tgt Ion: 64 Resp: 60646

Ion Ratio Lower Upper

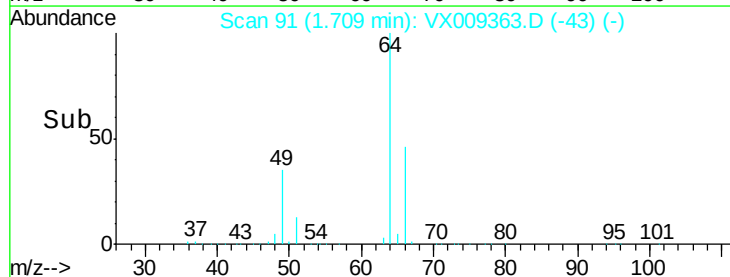
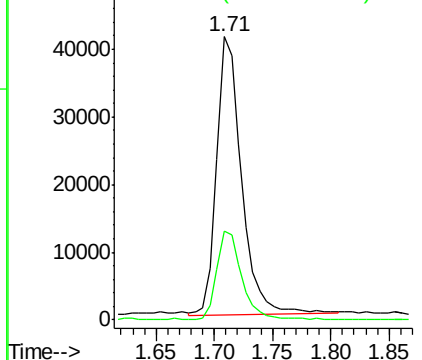
64 100

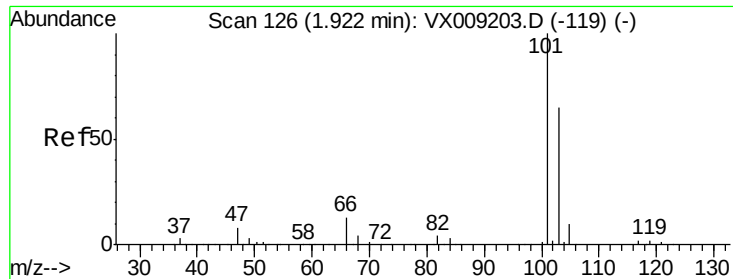
66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

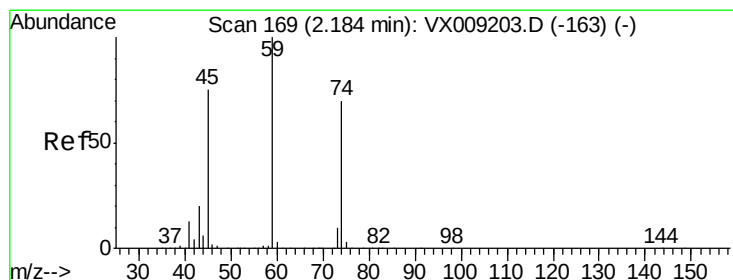
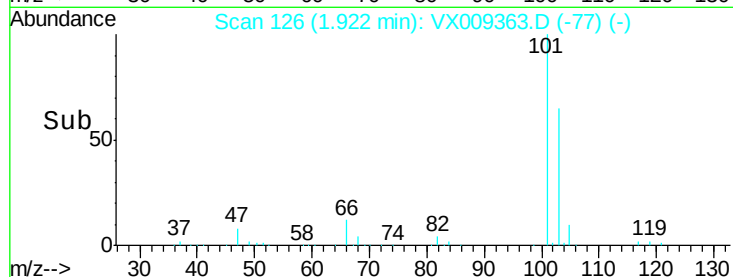
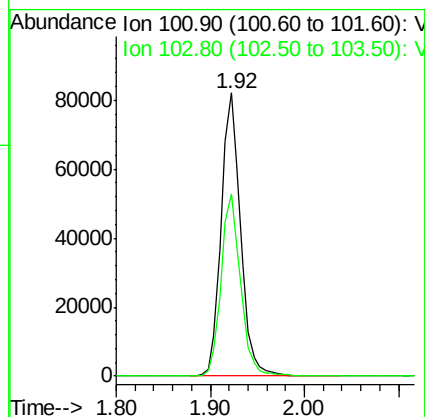
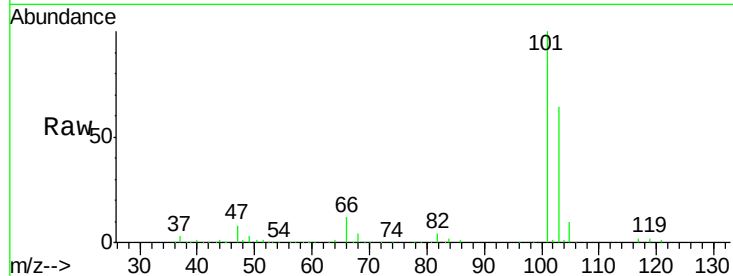
Trichlorofluoromethane
Concen: 48.496 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

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ClientSampleId :
MW-4-20190502MS

Tot Ion:101 Resp: 117290
Ion Ratio Lower Upper
101 100
103 64.5 52.4 78.6

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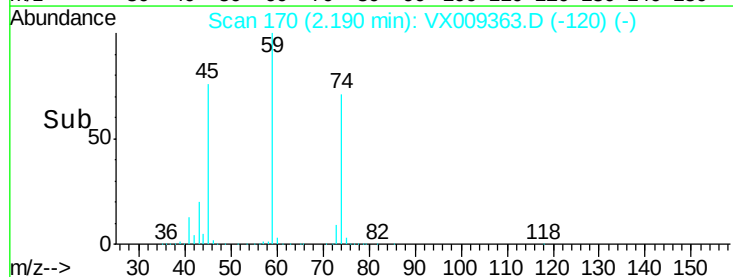
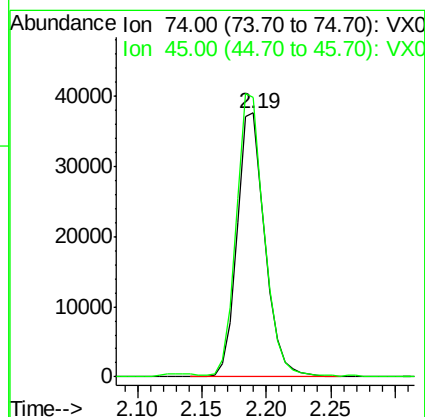
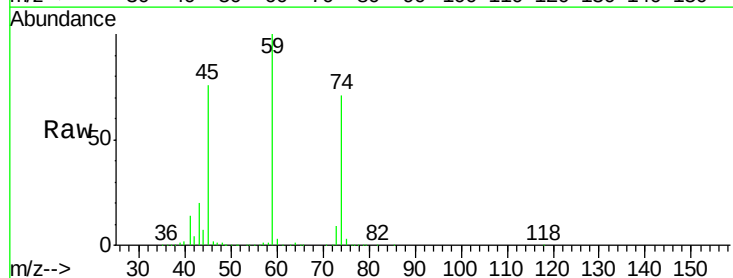
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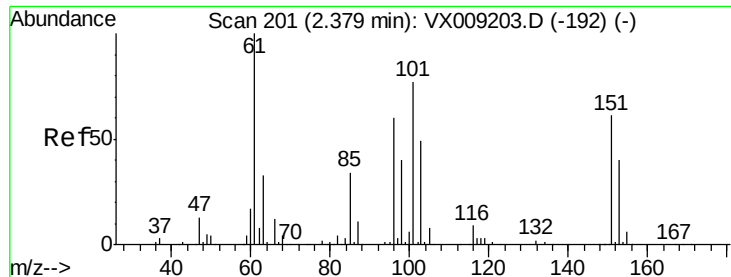


#8

Diethyl Ether
Concen: 49.314 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion: 74 Resp: 56495
Ion Ratio Lower Upper
74 100
45 106.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.199 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

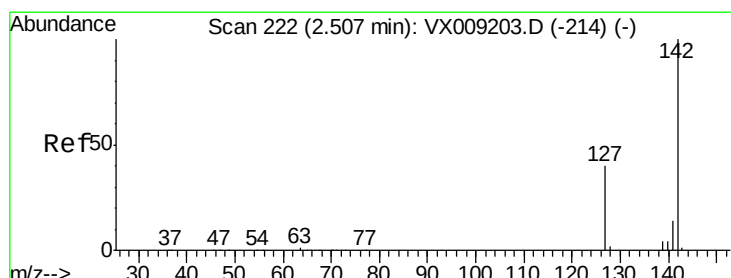
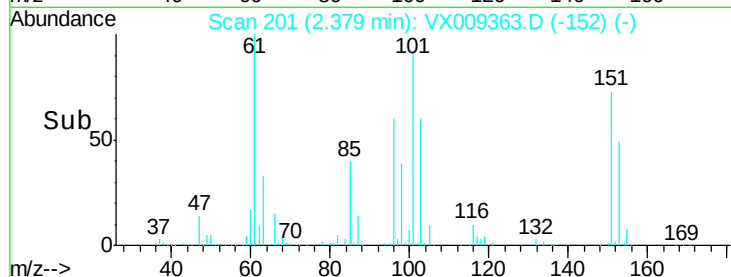
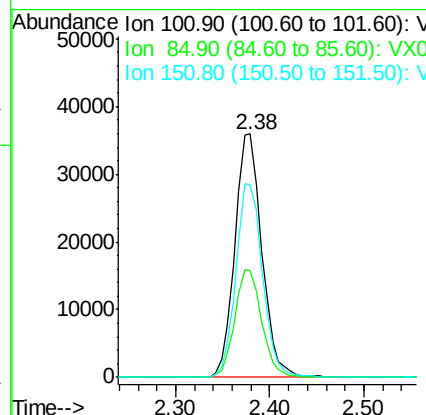
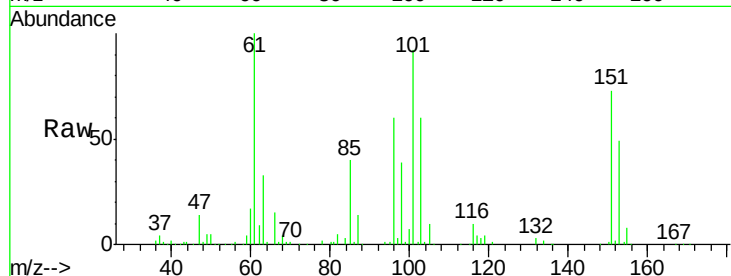
ClientSampleId :

MW-4-20190502MS

Tot Ion:	101	Resp:	71684
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.7	53.5
151	78.9	62.2	93.2

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#10

Methyl Iodide

Concen: 37.377 ug/l

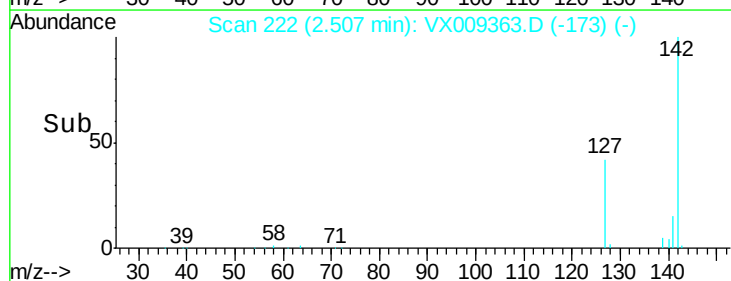
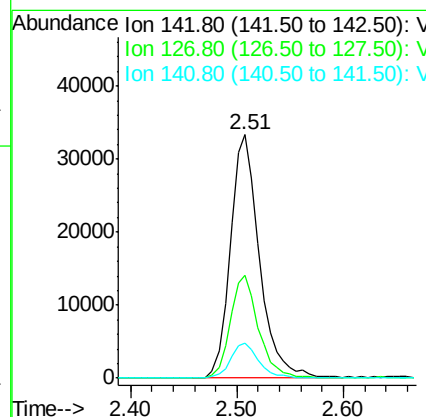
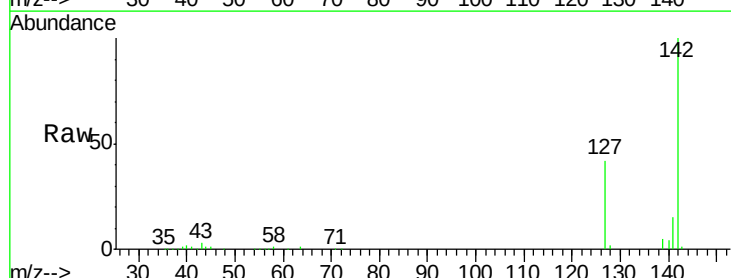
RT: 2.51 min Scan# 222

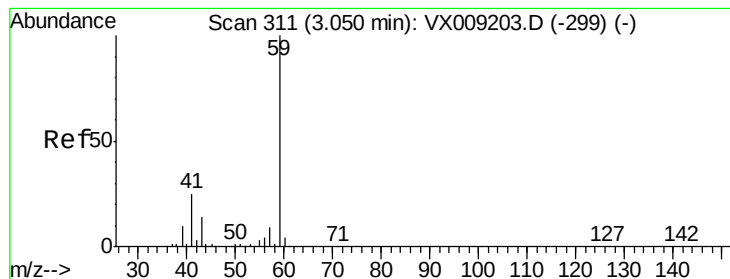
Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Tgt Ion:	142	Resp:	63703
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.7	49.1
141	14.0	11.5	17.3





#11

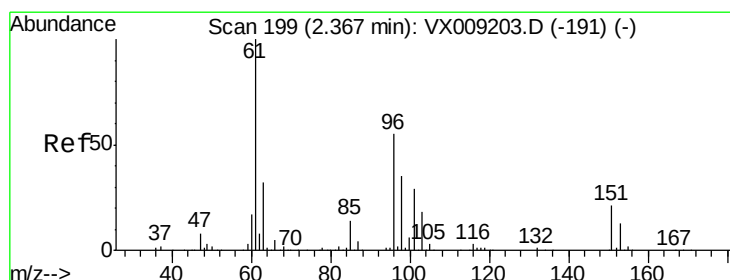
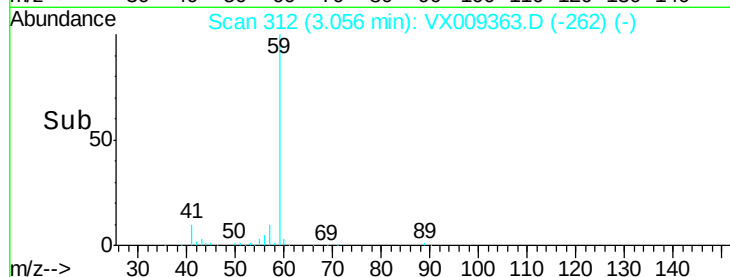
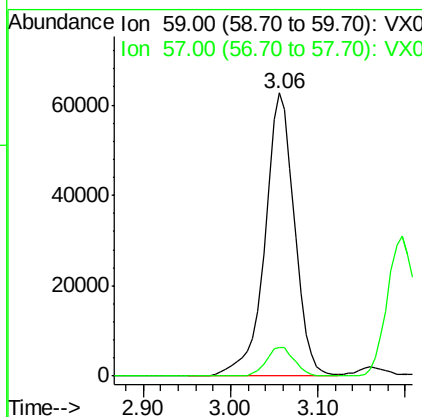
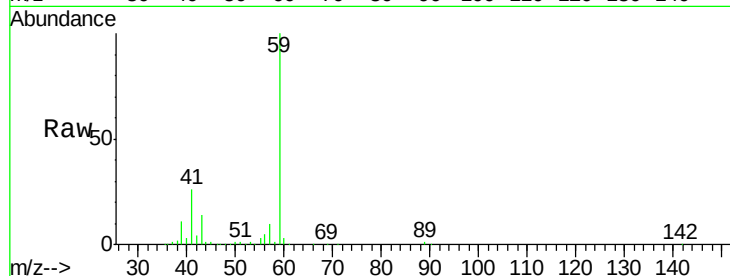
Tert butyl alcohol
 Concen: 287.577 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion	59	Resp	147377
Ion Ratio	100	Lower	Upper
57	9.5	8.2	12.2

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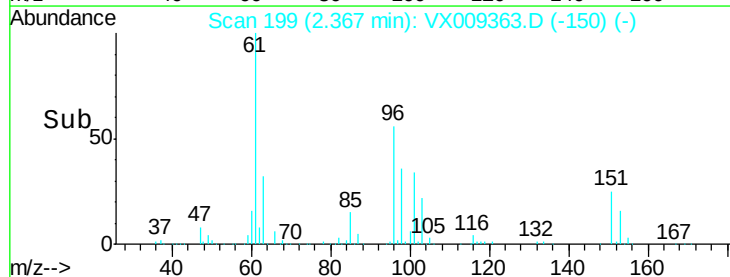
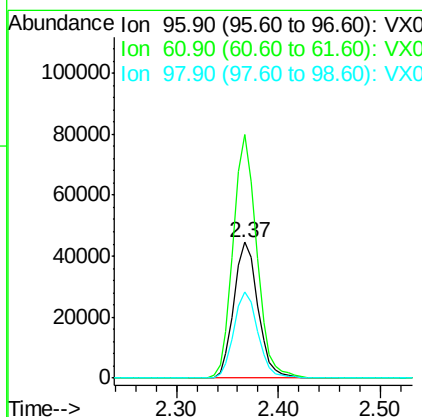
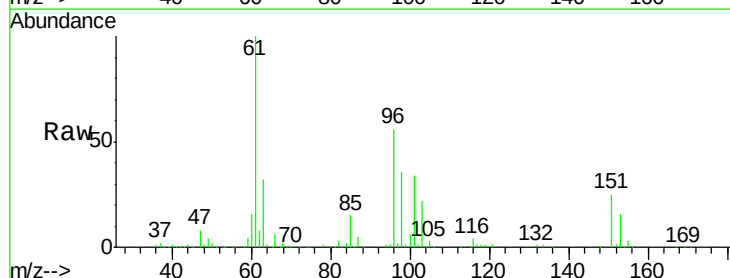
MMDadoda
 5/7/2019 9:42:09 AM

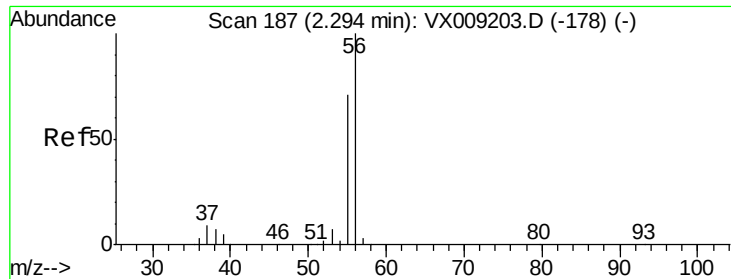


#12

1,1-Dichloroethene
 Concen: 47.781 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion	96	Resp	72710
Ion Ratio	100	Lower	Upper
61	179.0	144.3	216.5
98	63.8	50.3	75.5





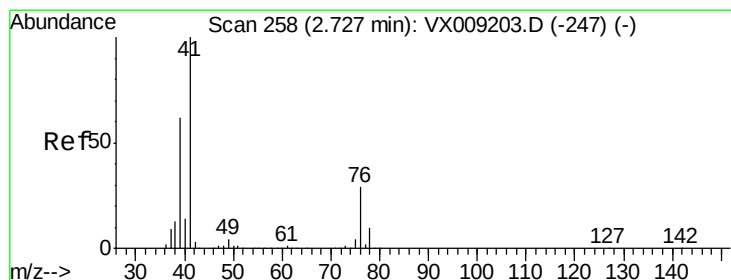
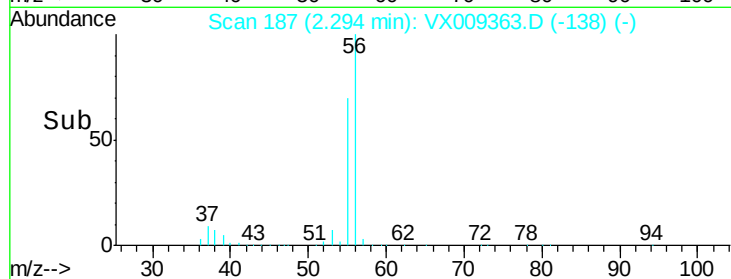
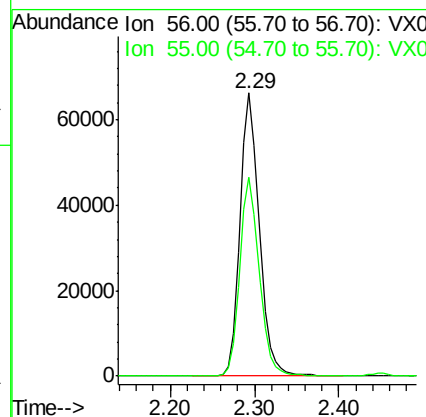
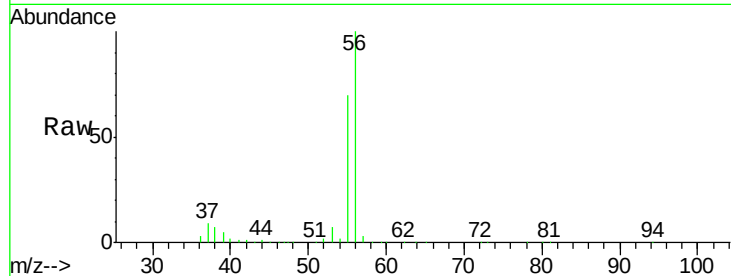
#13
 Acrolein
 Concen: 220.755 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.6	85.0

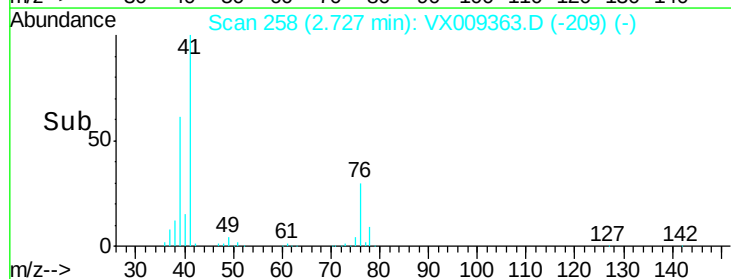
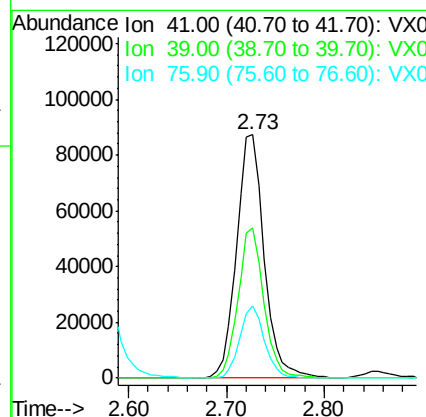
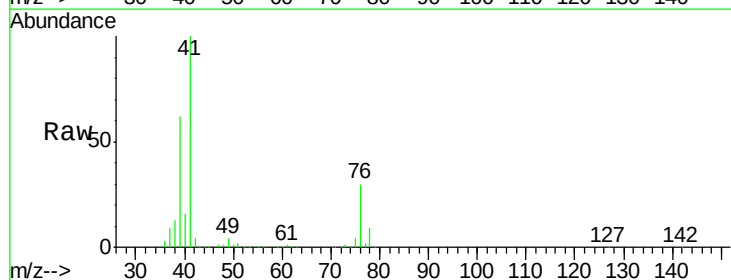
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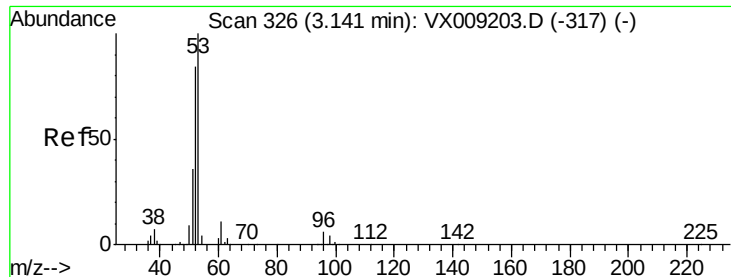
MMDadoda
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#14
 Allyl chloride
 Concen: 46.318 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.7	70.1
76	26.7	21.8	32.8





#15

Acrylonitrile

Concen: 256.728 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

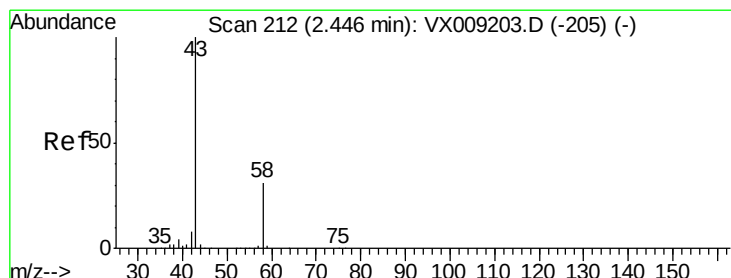
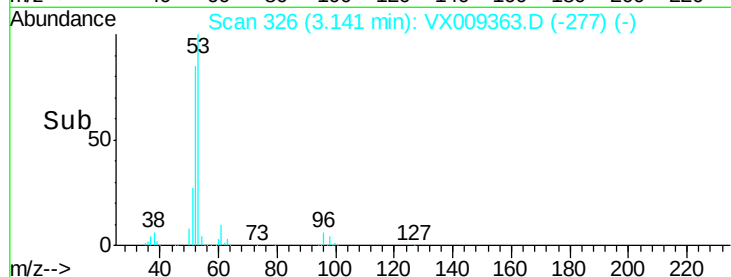
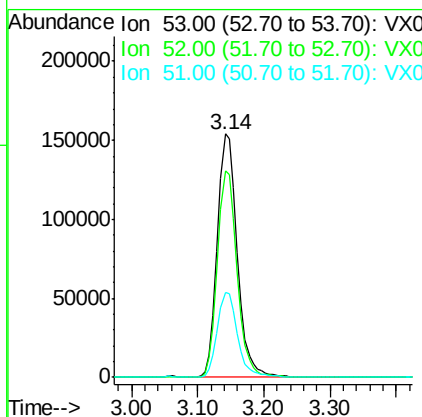
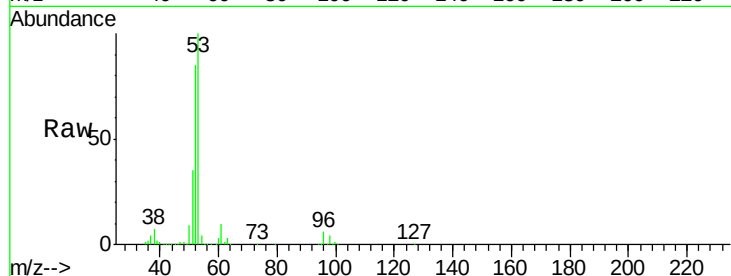
ClientSampleId :

MW-4-20190502MS

Tot Ion:	53	Resp:	321693
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.9	100.3
51	35.5	28.2	42.2

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#16

Acetone

Concen: 231.510 ug/l

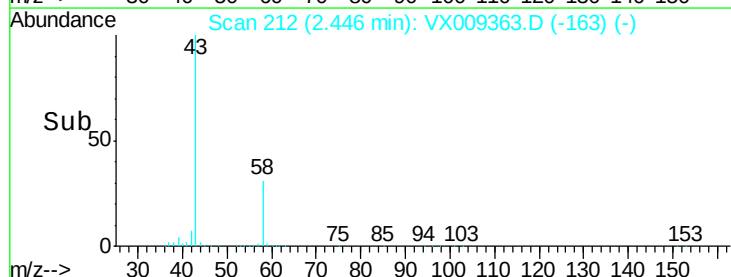
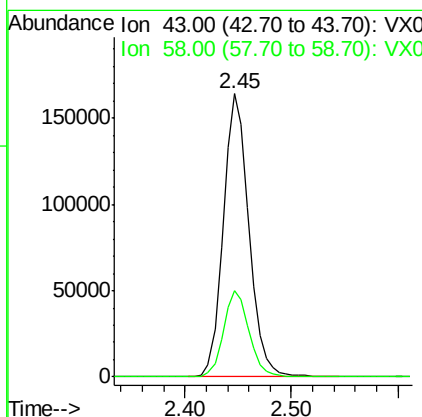
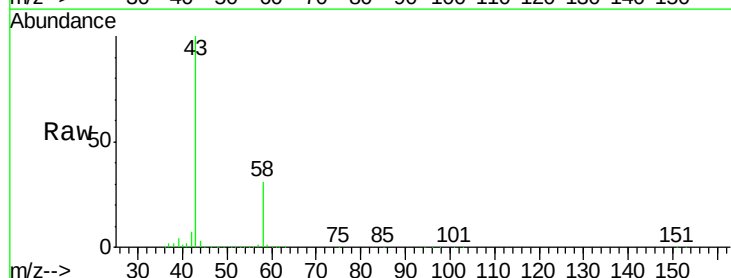
RT: 2.45 min Scan# 212

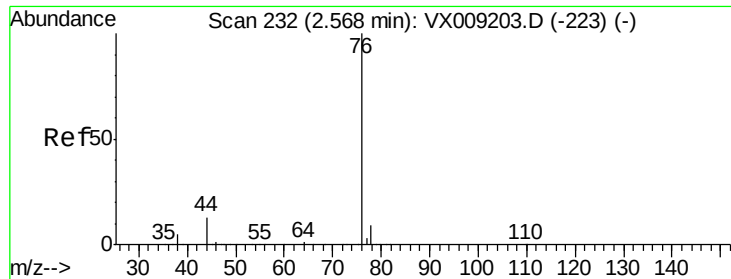
Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Tgt Ion:	43	Resp:	275222
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.9	37.3





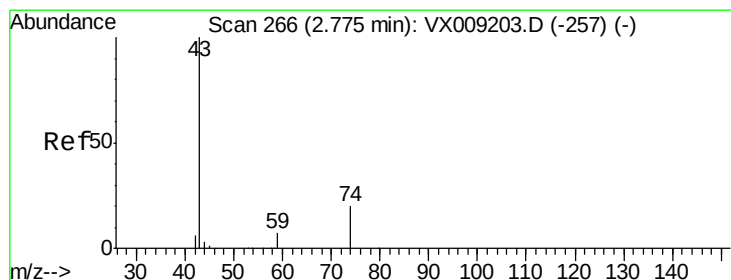
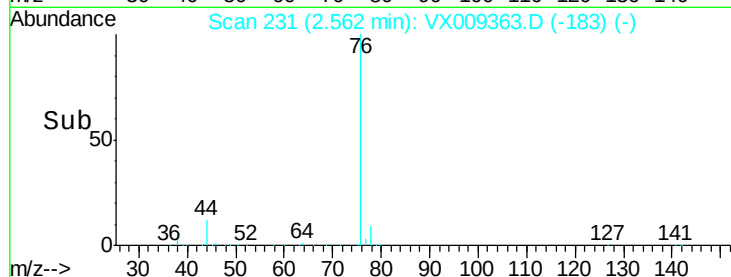
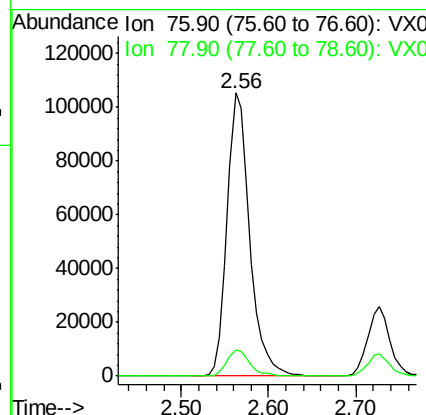
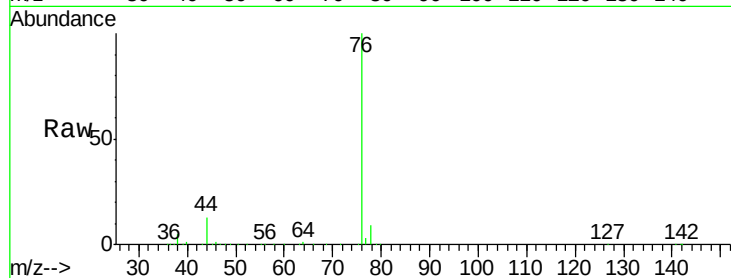
#17
Carbon Disulfide
Concen: 44.217 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

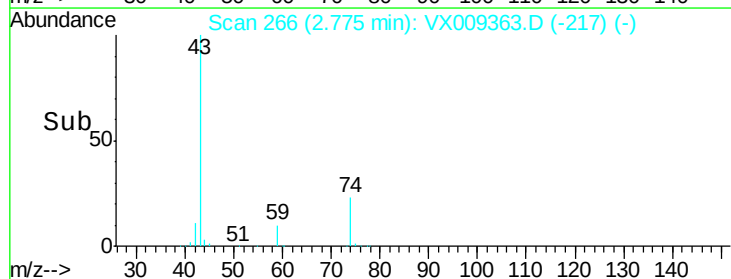
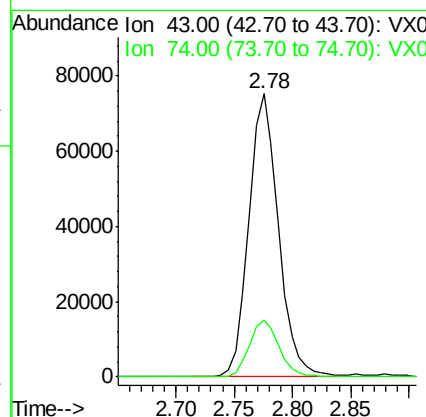
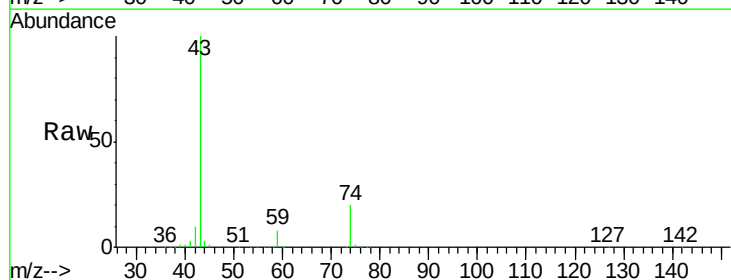
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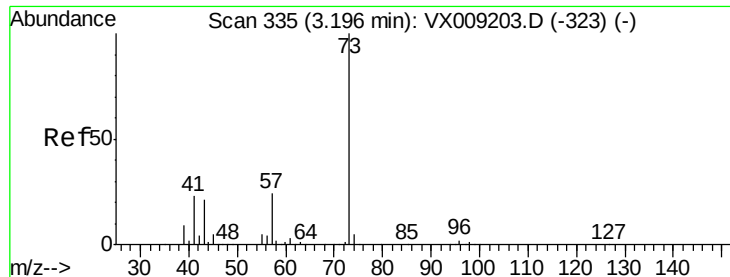
MMDadoda
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#18
Methyl Acetate
Concen: 47.175 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.2	24.4





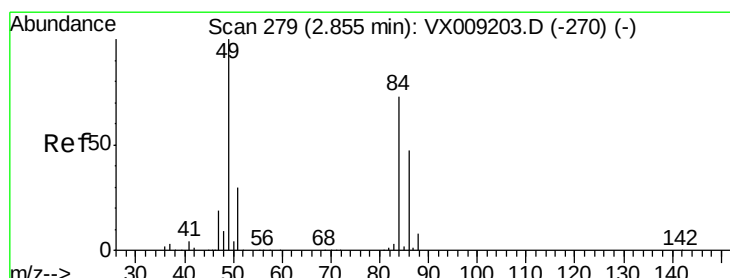
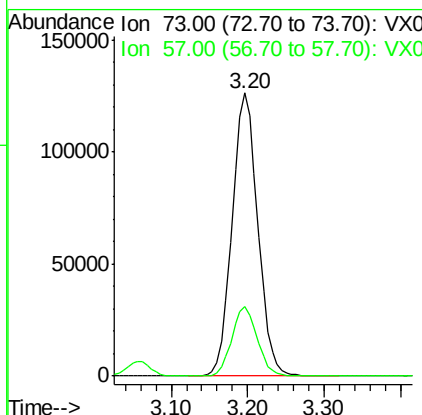
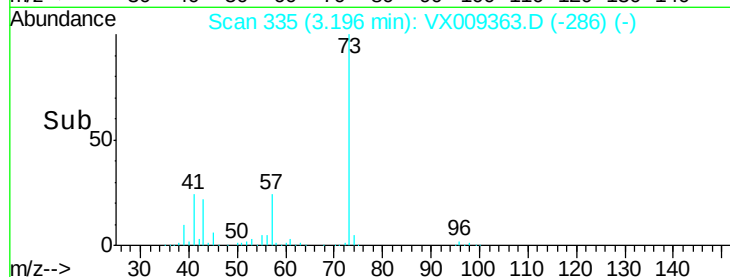
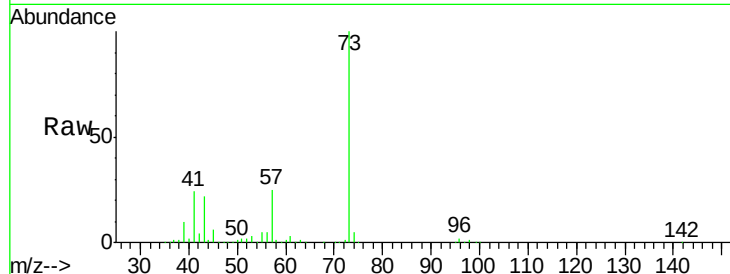
#19
Methyl tert-butyl Ether
Concen: 49.519 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.3	28.9

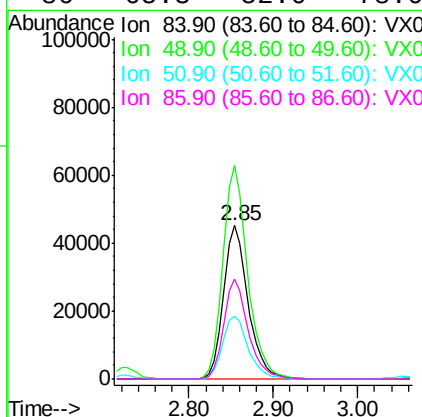
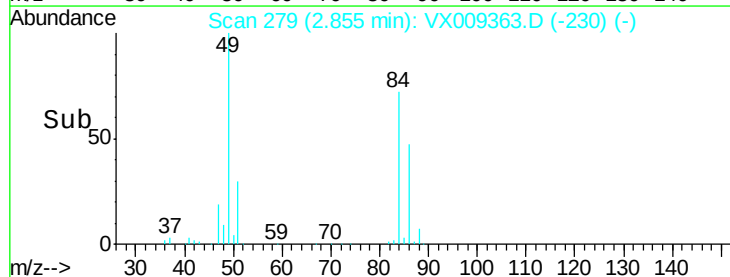
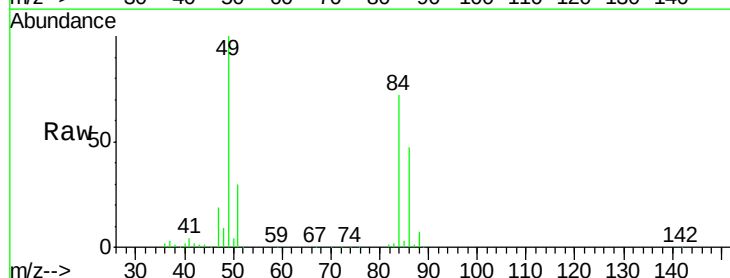
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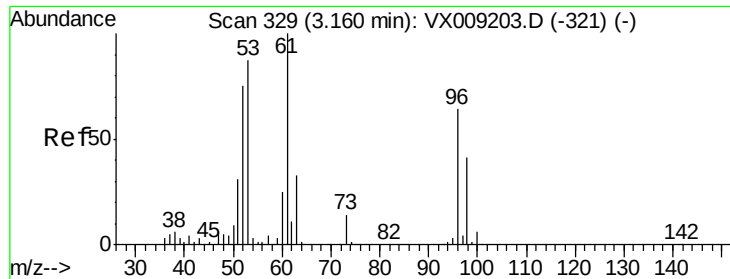
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#20
Methylene Chloride
Concen: 46.988 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.4	109.9	164.9
51	41.4	32.7	49.1
86	65.3	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 47.446 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009363.D

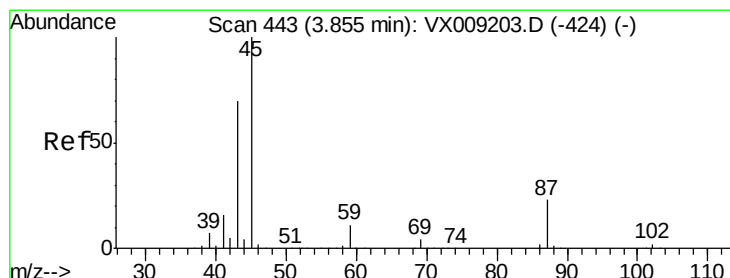
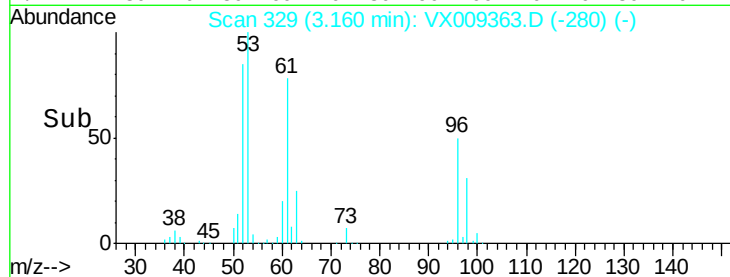
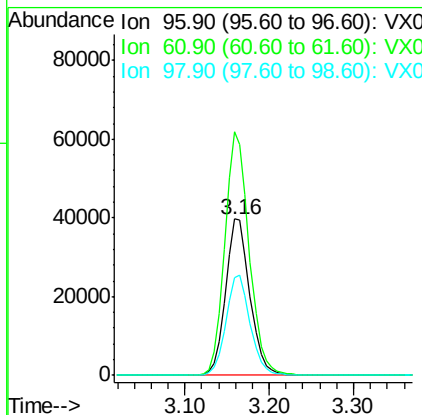
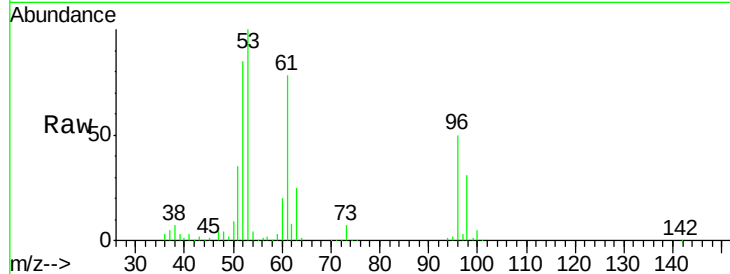
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion:	96	Resp:	78301
Ion	Ratio	Lower	Upper
96	100		
61	155.6	124.5	186.7
98	62.4	50.4	75.6

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#22

Diisopropyl ether

Concen: 49.143 ug/l

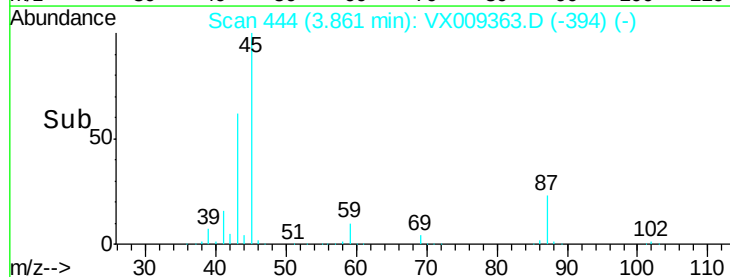
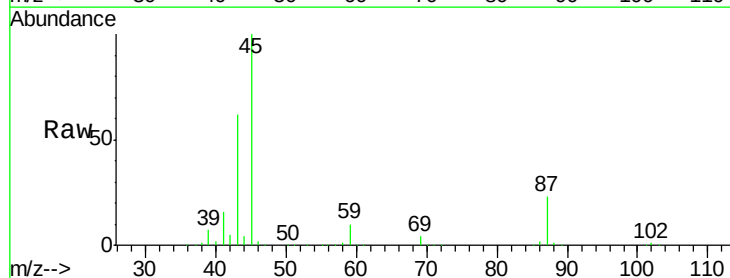
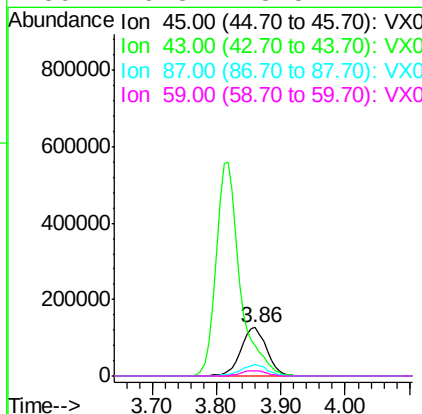
RT: 3.86 min Scan# 444

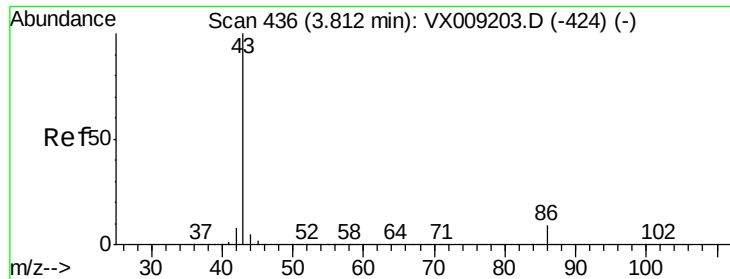
Delta R.T. 0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Tgt Ion:	45	Resp:	350479
Ion	Ratio	Lower	Upper
45	100		
43	62.3	56.1	84.1
87	22.7	18.1	27.1
59	10.3	8.5	12.7





#23

Vinyl Acetate

Concen: 238.959 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion: 43 Resp: 1459332

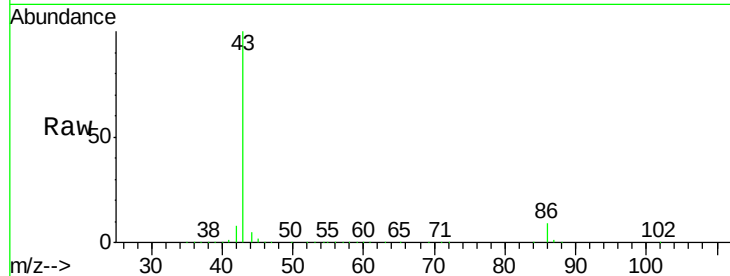
Ion Ratio Lower Upper

43 100

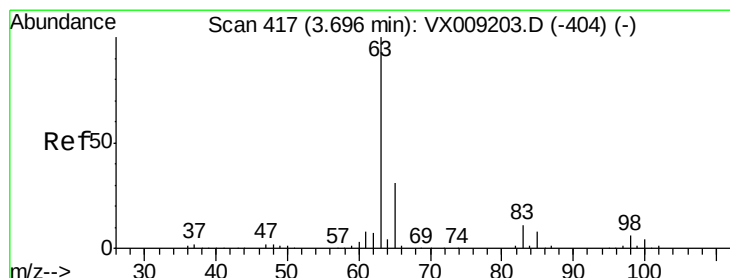
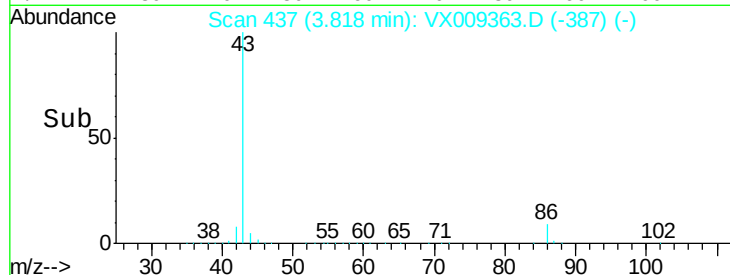
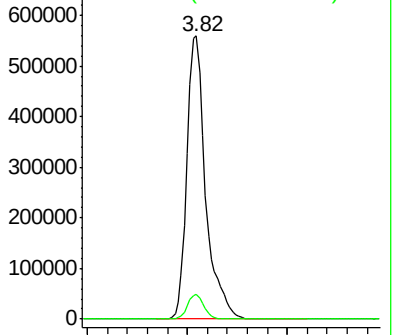
86 8.7 6.9 10.3

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Abundance Ion 43.00 (42.70 to 43.70): VX009363.D (-387) (-)



#24

1,1-Dichloroethane

Concen: 48.158 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

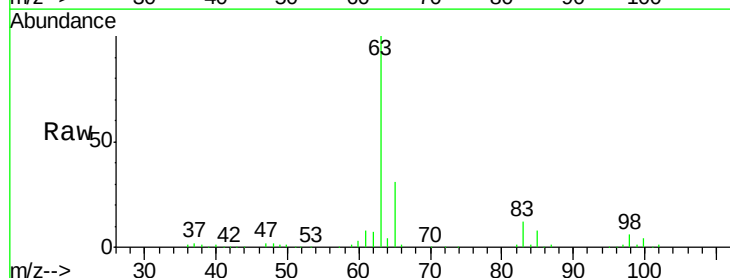
Tgt Ion: 63 Resp: 169428

Ion Ratio Lower Upper

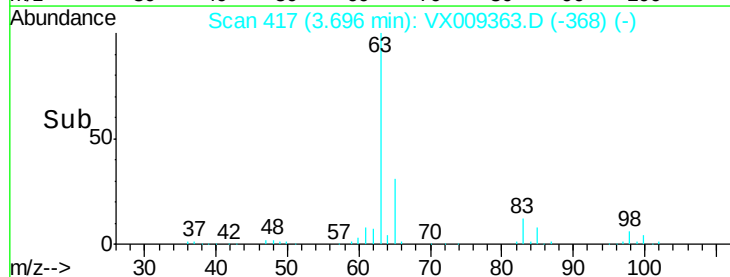
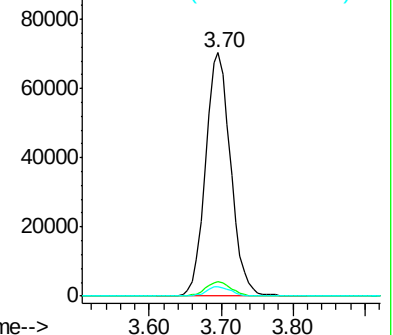
63 100

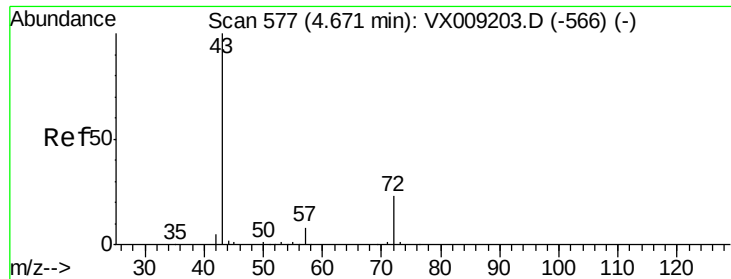
98 6.1 3.0 9.2

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX009363.D (-368) (-)





#25

2-Butanone

Concen: 258.660 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion: 43 Resp: 477843

Ion Ratio Lower Upper

43 100

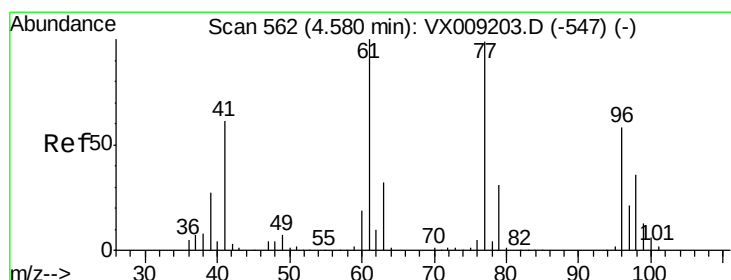
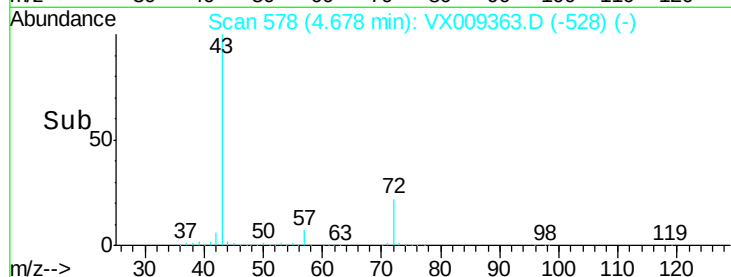
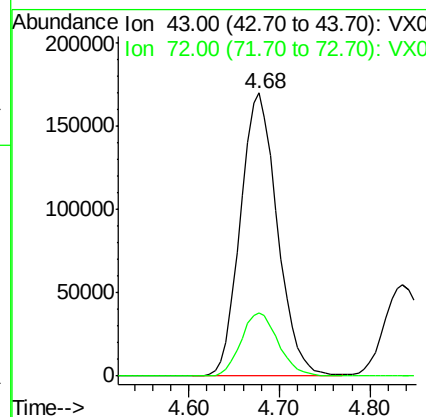
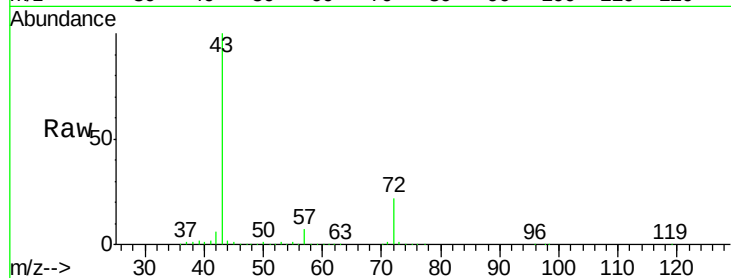
72 22.2 18.2 27.2

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#26

2,2-Dichloropropane

Concen: 37.670 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009363.D

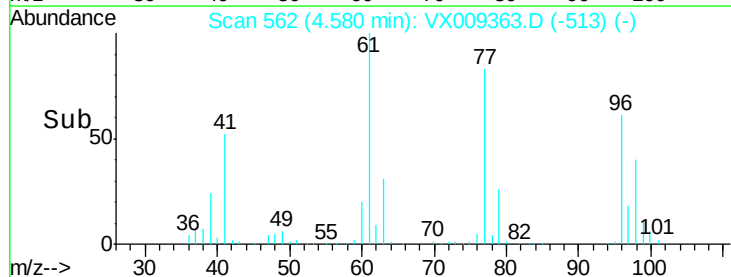
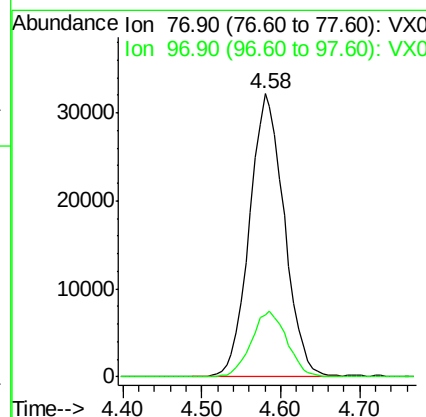
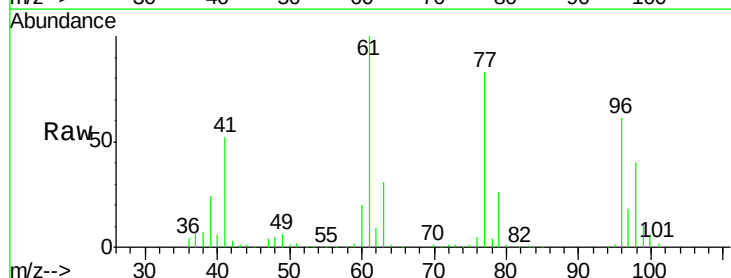
Acq: 06 May 2019 20:10

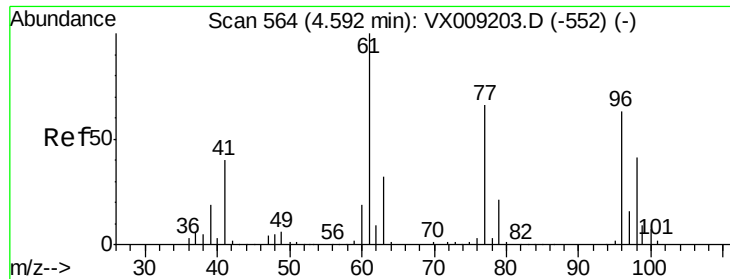
Tgt Ion: 77 Resp: 98648

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.4





#27

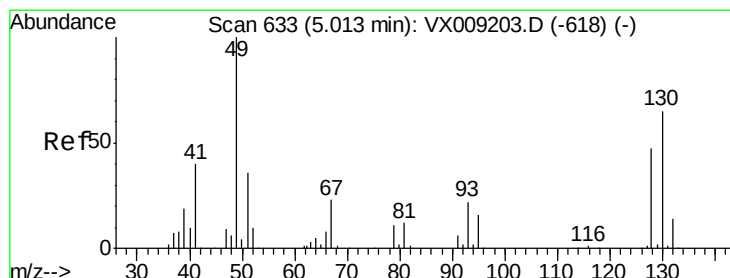
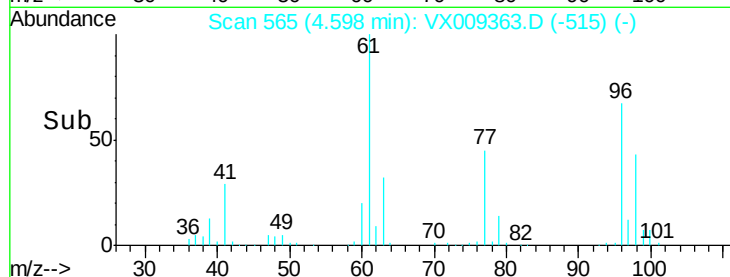
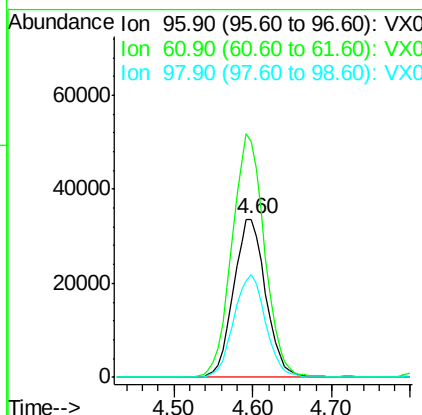
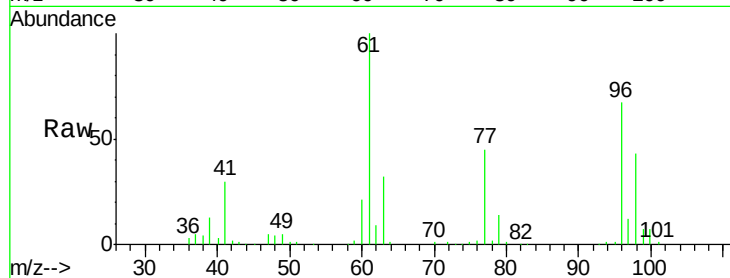
cis-1,2-Dichloroethene
Concen: 48.461 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	324.0
98	64.4	0.0	130.4

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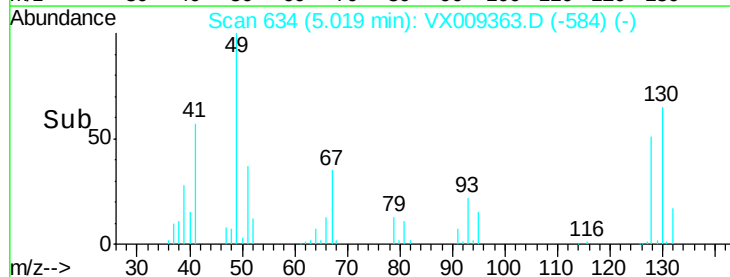
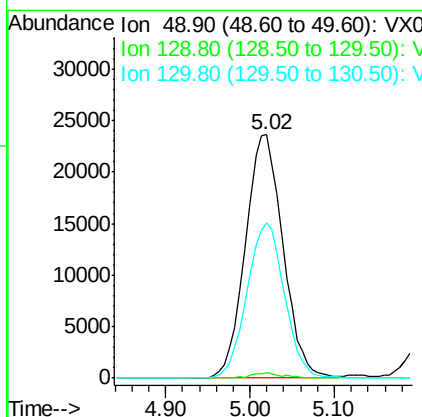
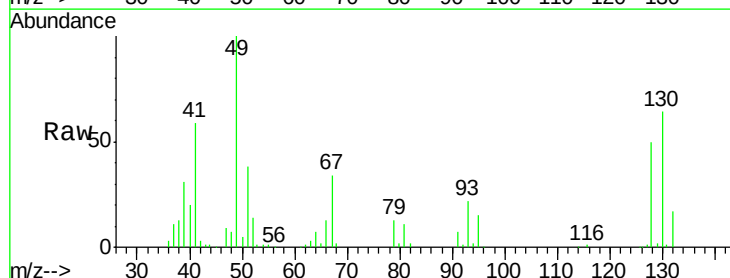
MMDadoda
5/7/2019 9:42:09 AM

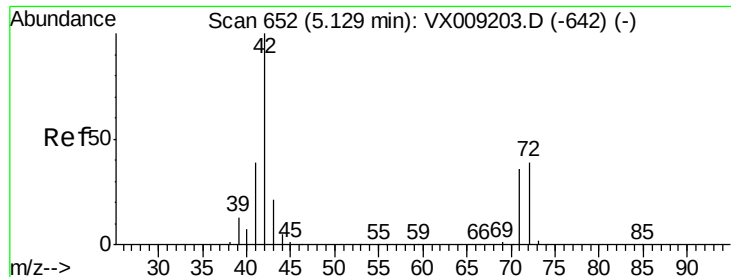


#28

Bromochloromethane
Concen: 50.695 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	63.6	51.2	76.8





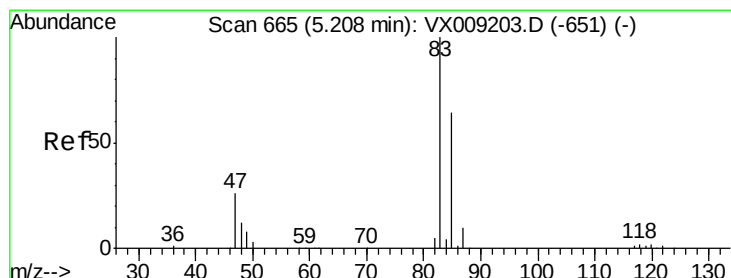
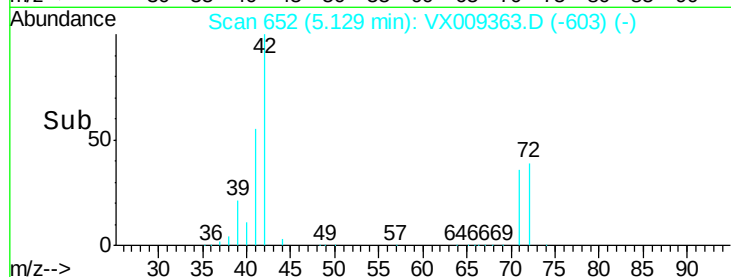
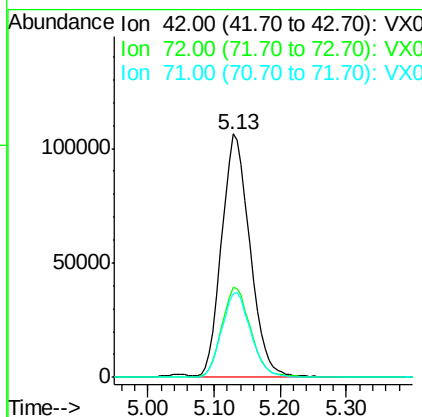
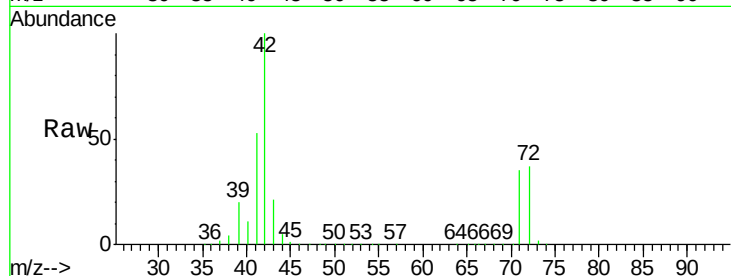
#29
Tetrahydrofuran
Concen: 265.076 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.4	45.6
71	35.8	28.6	43.0

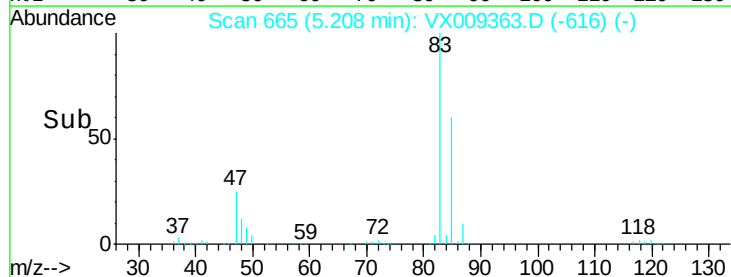
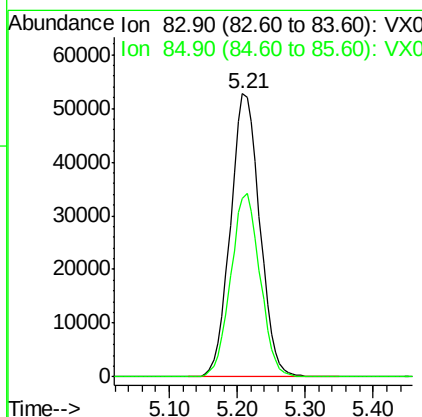
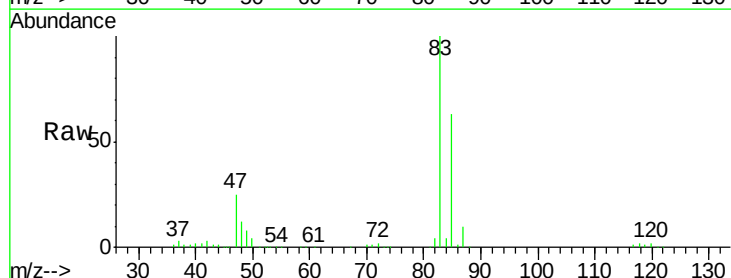
Manual Integrations
APPROVED

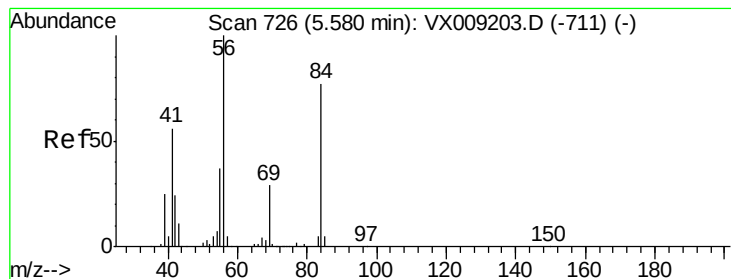
MMDadoda
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#30
Chloroform
Concen: 49.619 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.5	77.3





#31

Cyclohexane

Concen: 46.752 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

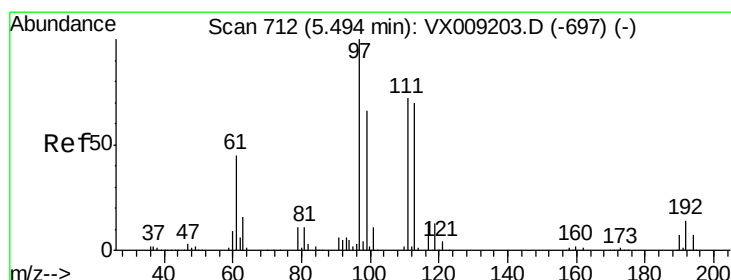
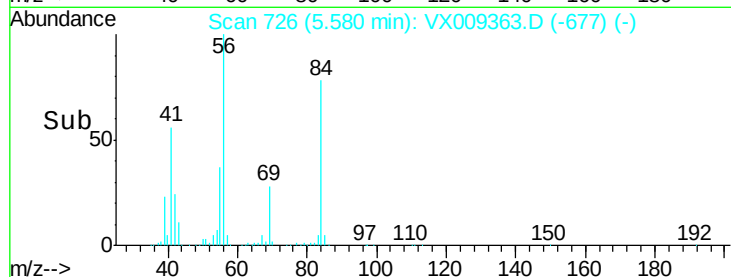
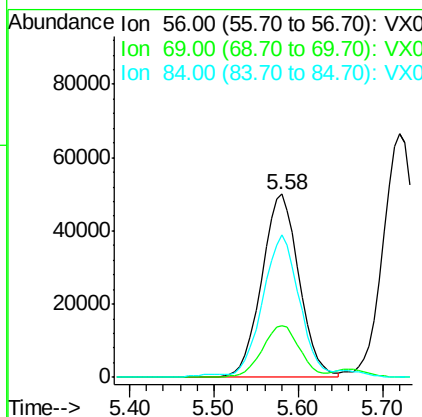
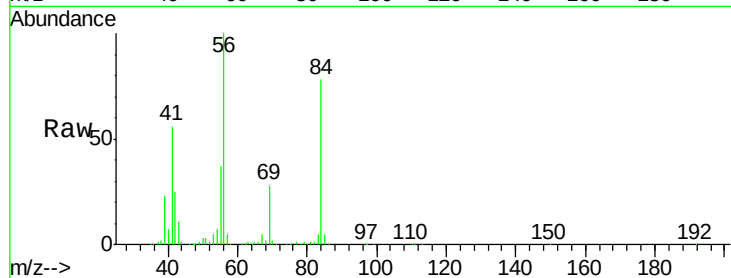
ClientSampleId :

MW-4-20190502MS

Tot Ion:	56	Resp:	153028
Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.4	35.0
84	77.1	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 48.588 ug/l

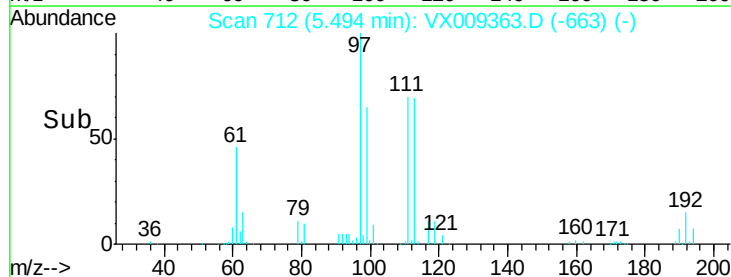
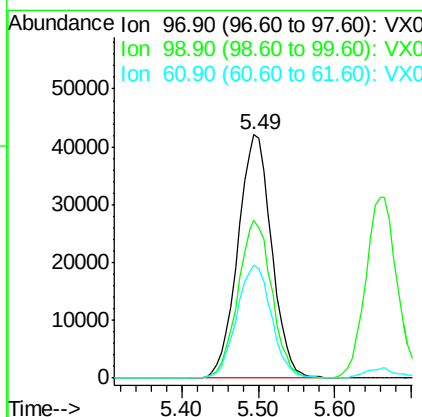
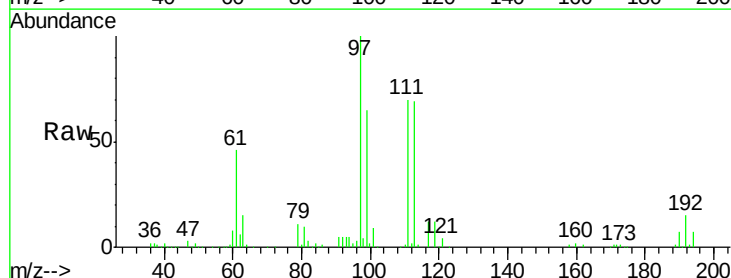
RT: 5.49 min Scan# 712

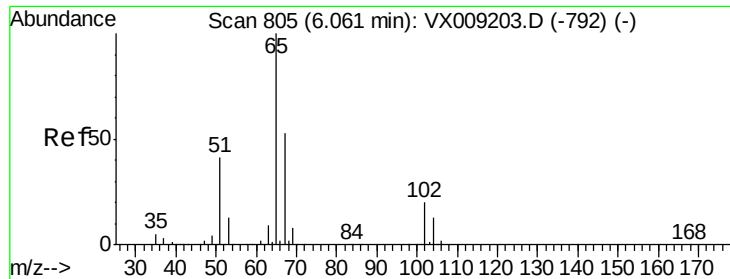
Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Tgt Ion:	97	Resp:	128704
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.8
61	48.0	37.8	56.8





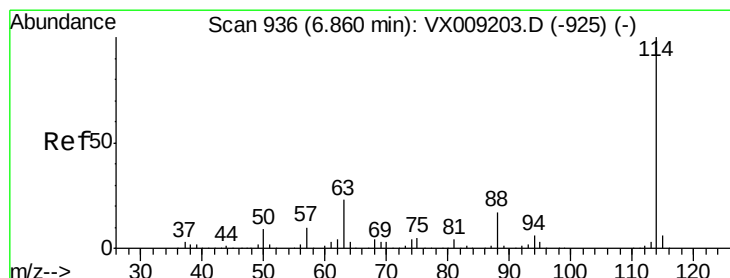
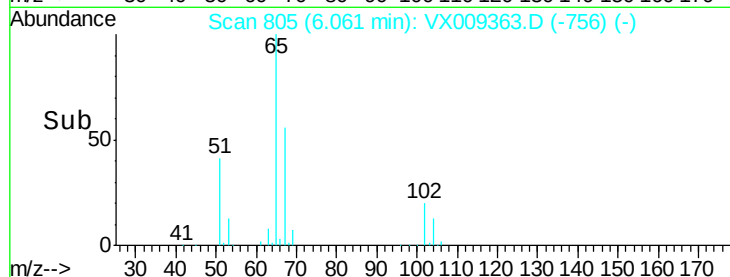
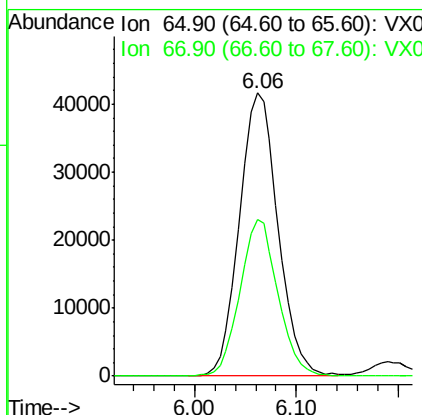
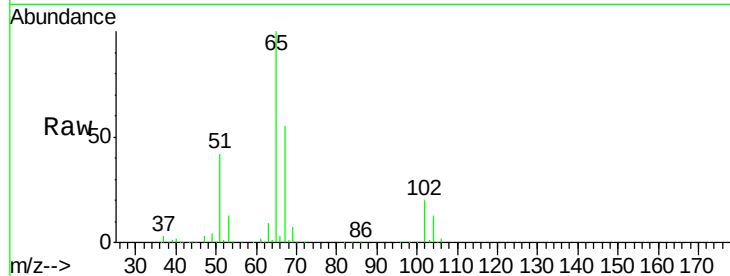
#33
 1,2-Dichloroethane-d4
 Concen: 49.527 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	106.6

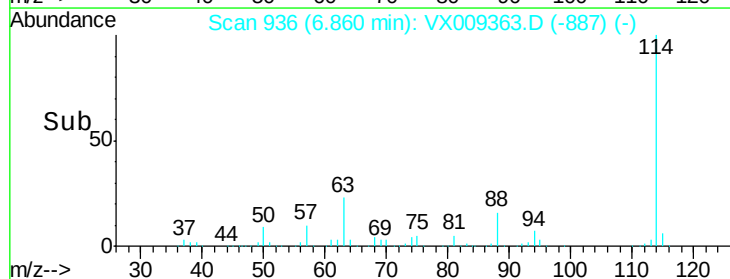
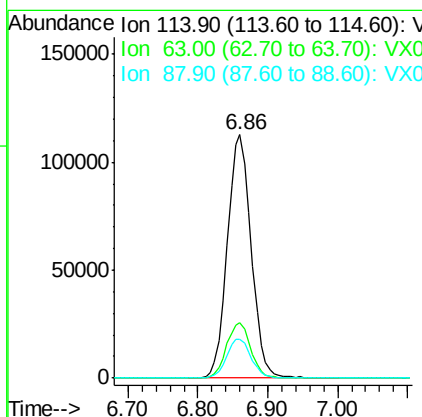
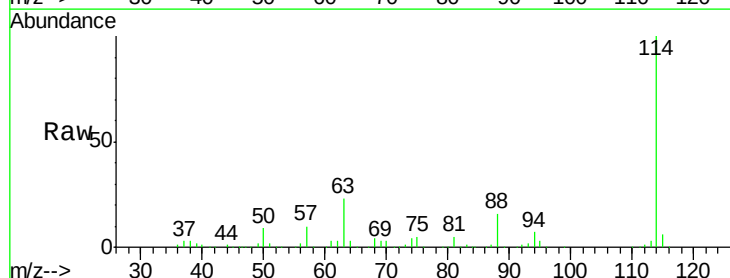
Manual Integrations
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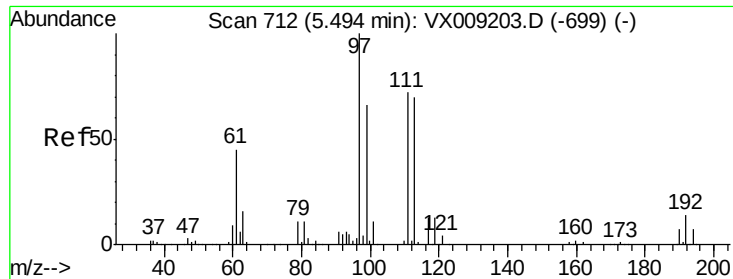
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.6
88	16.1	0.0	33.2





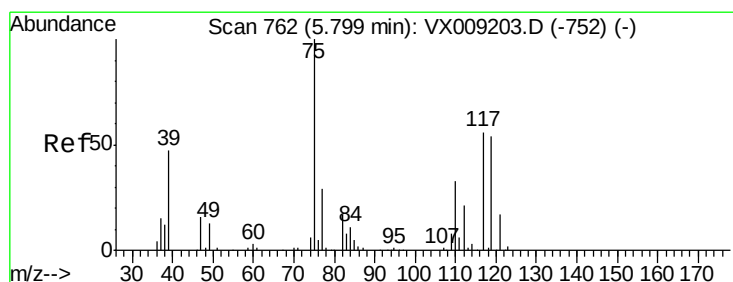
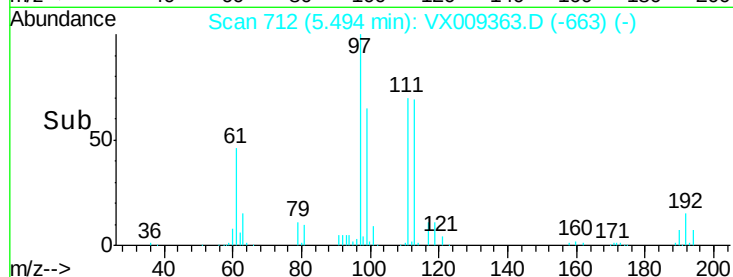
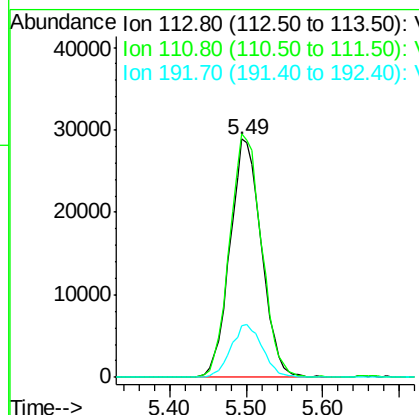
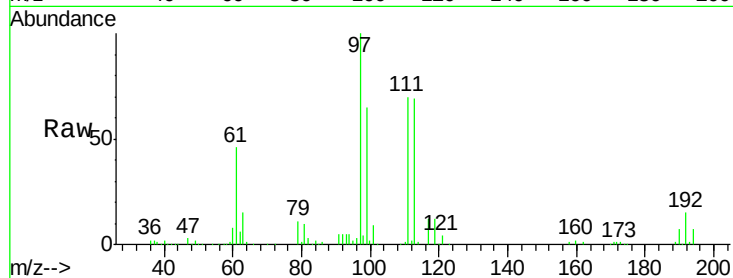
#35
 Dibromofluoromethane
 Concen: 49.109 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.8	124.2
192	22.1	17.0	25.6

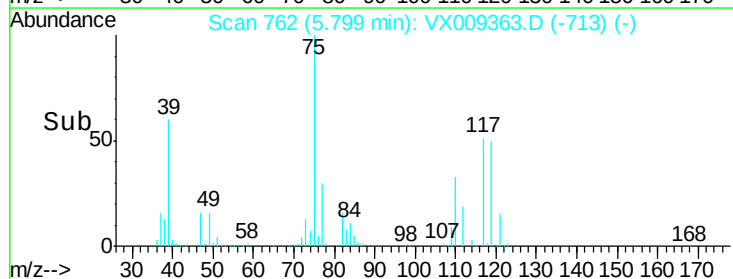
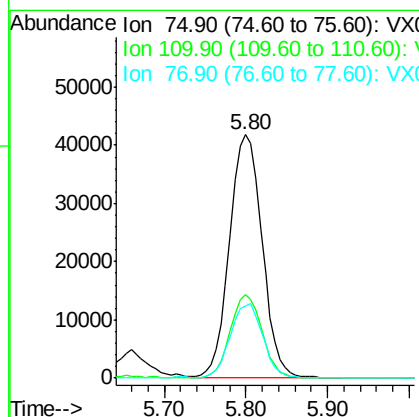
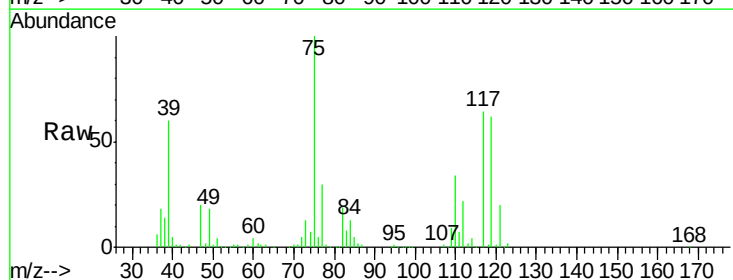
Manual Integrations
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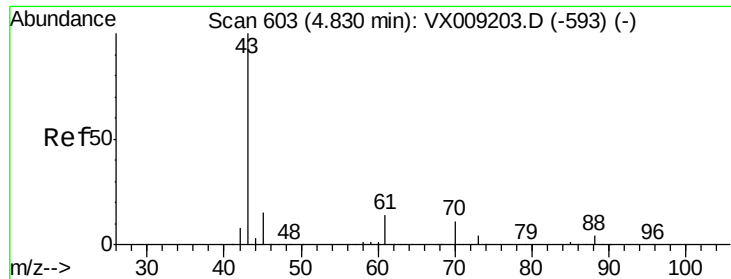
MMDadoda
 5/7/2019 9:42:09 AM



#36
 1,1-Dichloropropene
 Concen: 46.491 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.2	24.8	37.2





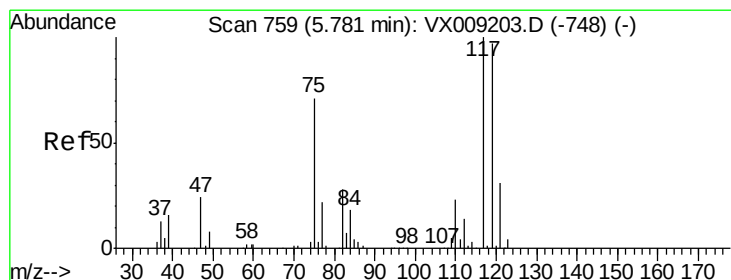
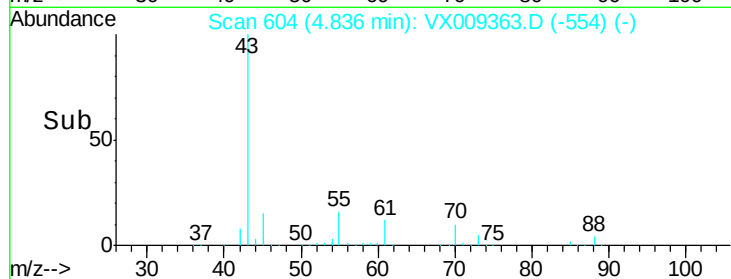
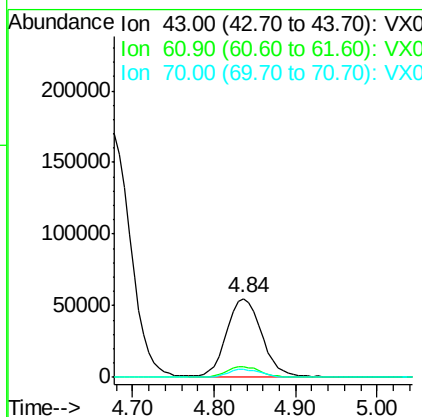
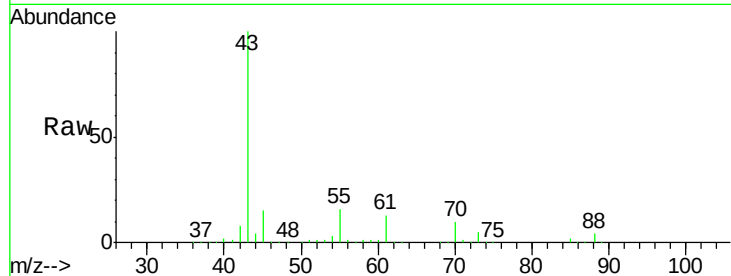
#37
Ethyl Acetate
Concen: 47.407 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.8	7.9	11.9

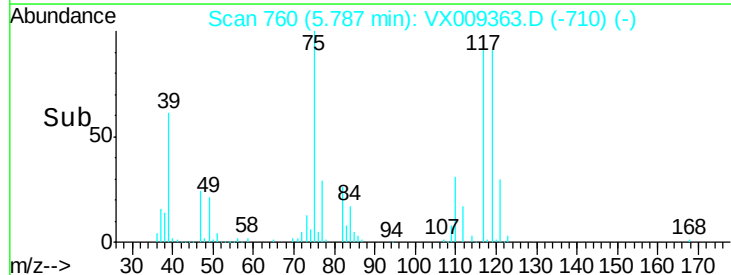
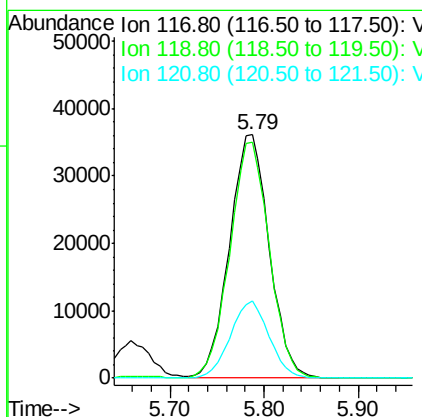
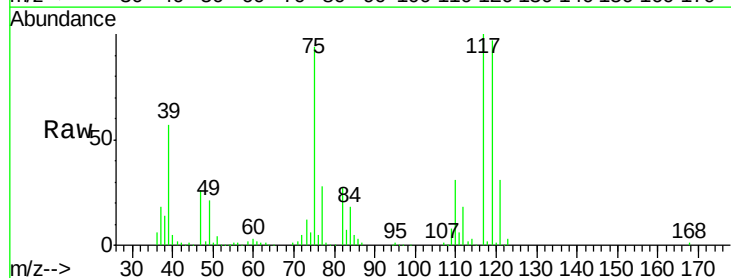
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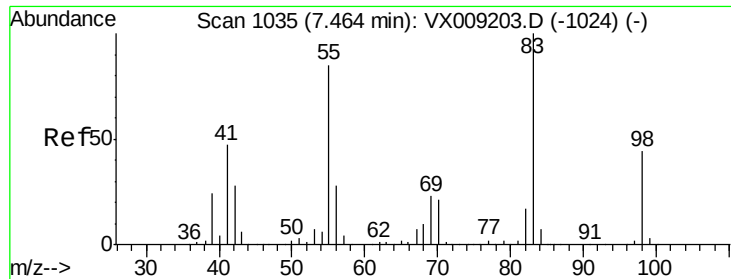
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#38
Carbon Tetrachloride
Concen: 47.014 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
121	31.5	24.7	37.1





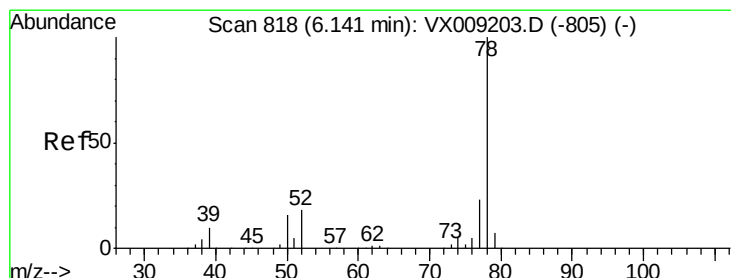
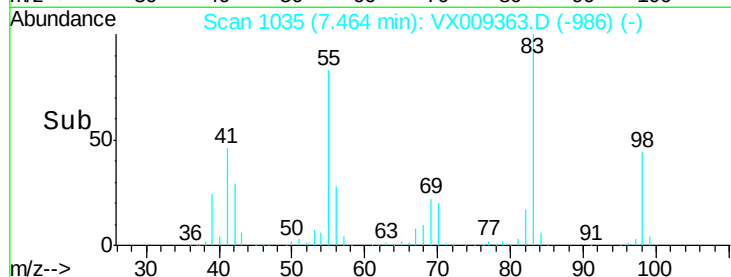
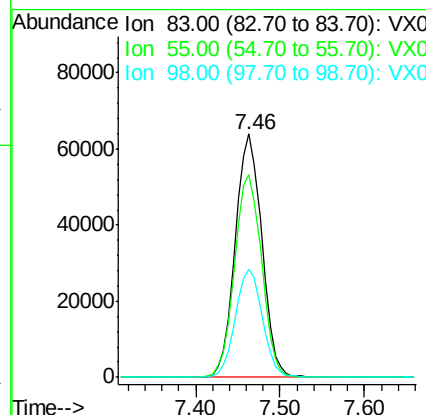
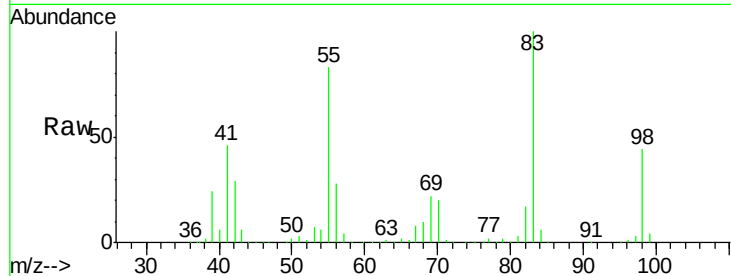
#39
Methylvlcyclohexane
Concen: 44.939 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	67.7	101.5
98	44.5	35.5	53.3

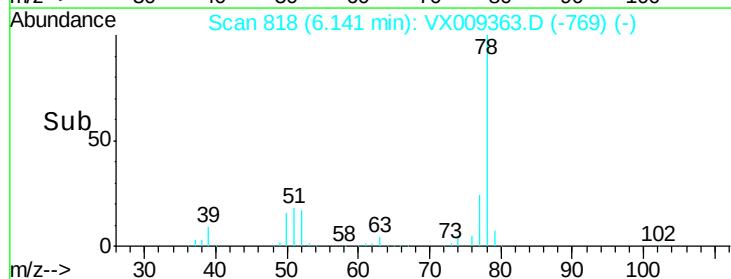
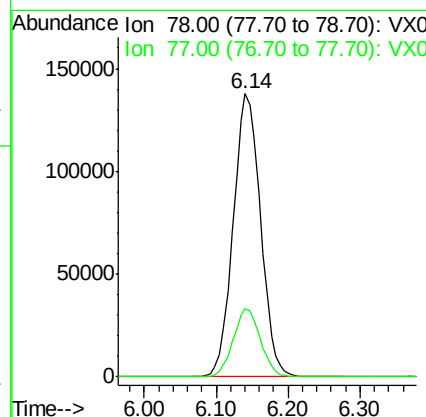
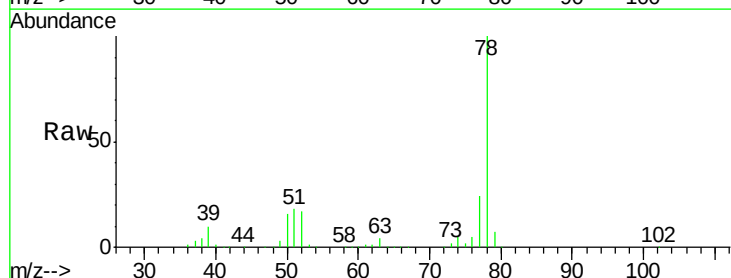
Manual Integrations
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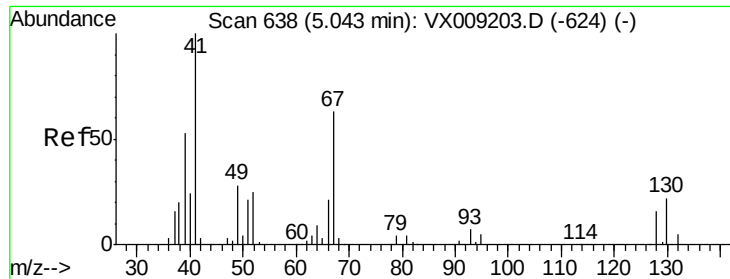
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#40
Benzene
Concen: 47.409 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





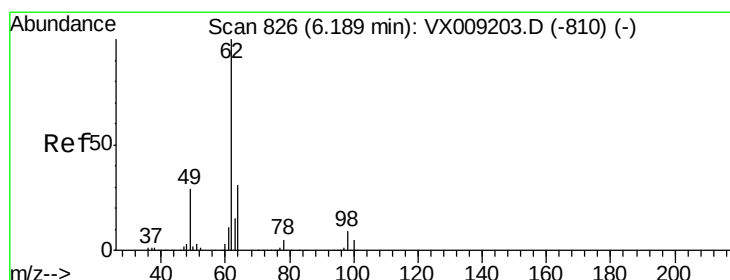
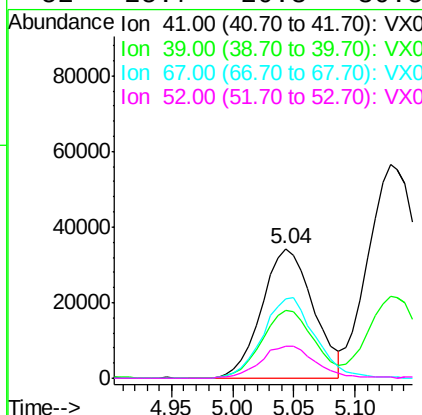
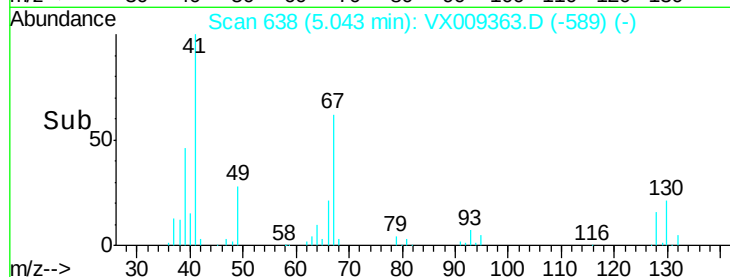
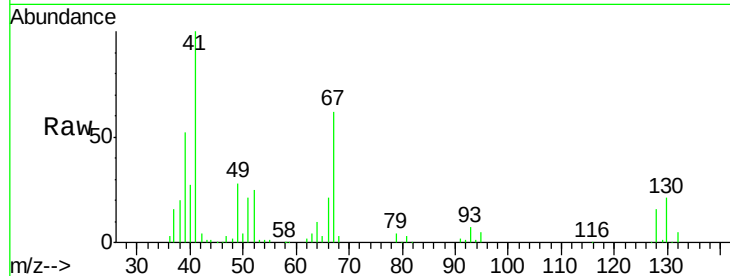
#41
Methacrylonitrile
Concen: 48.816 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.3	42.0	63.0		
67	63.6	49.8	74.8		
52	25.7	20.3	30.5		

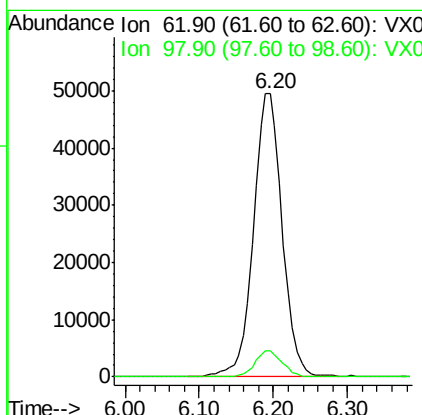
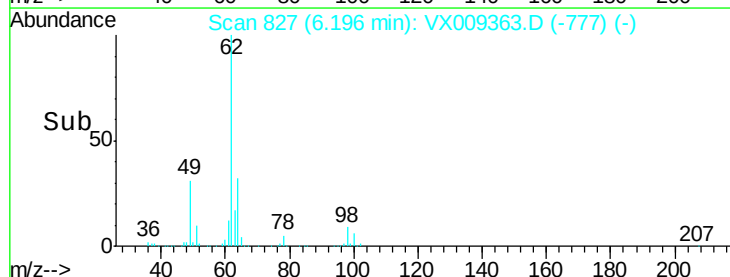
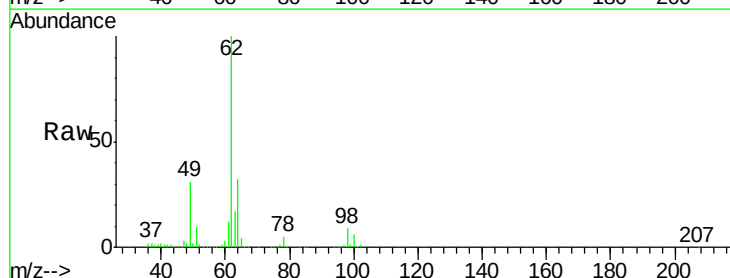
Manual Integrations
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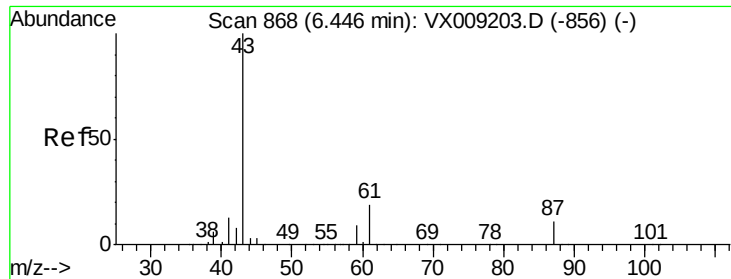
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.569 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.8	0.0	18.2		





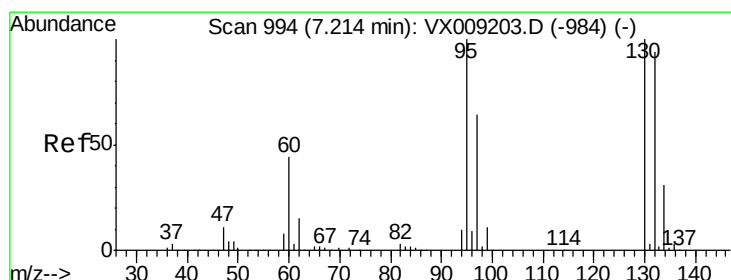
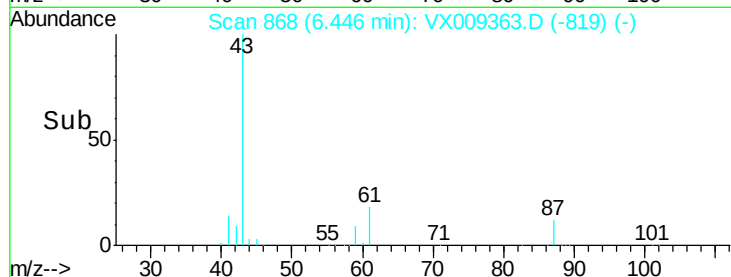
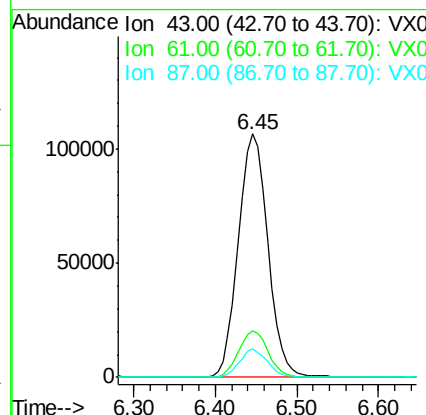
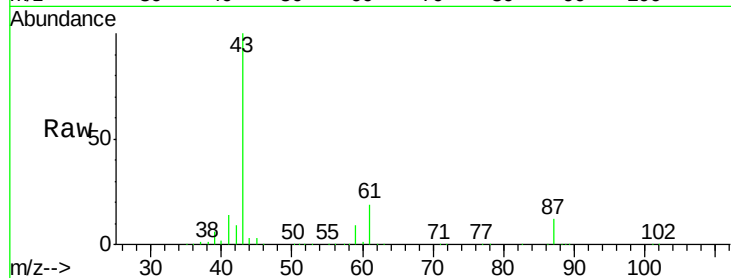
#43
Isopropyl Acetate
Concen: 48.359 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	11.2	9.0	13.6

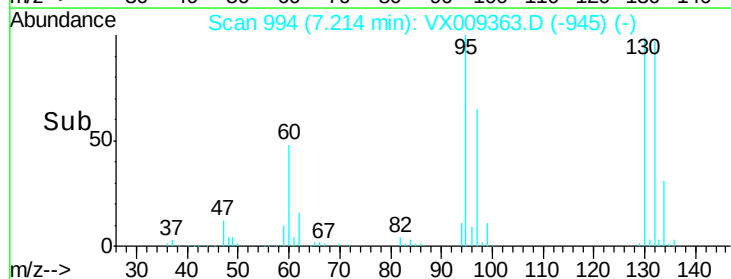
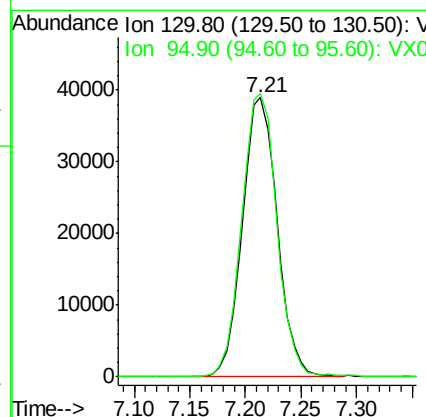
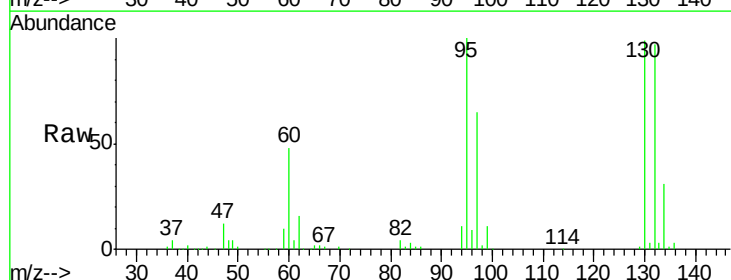
Manual Integrations
APPROVED

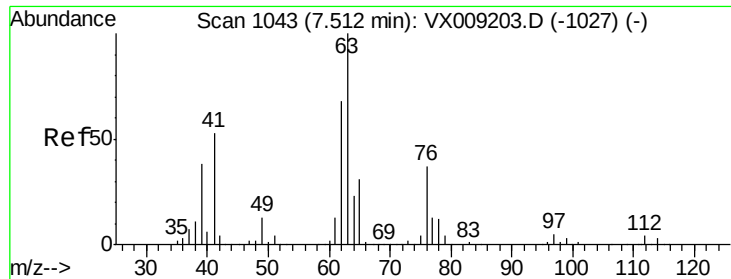
MMDadoda
5/7/2019 9:42:09 AM



#44
Trichloroethene
Concen: 45.727 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	199.2





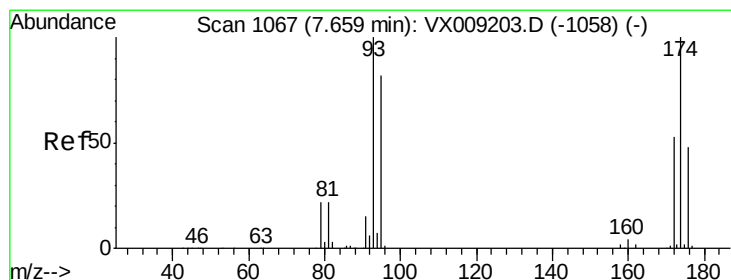
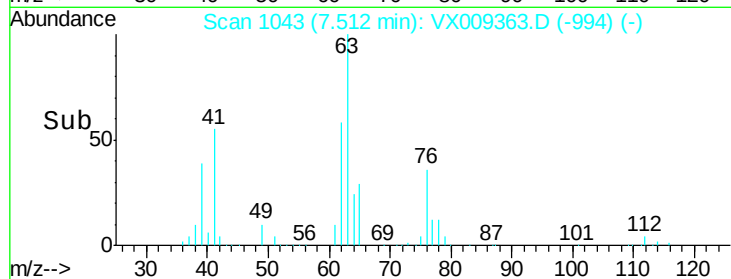
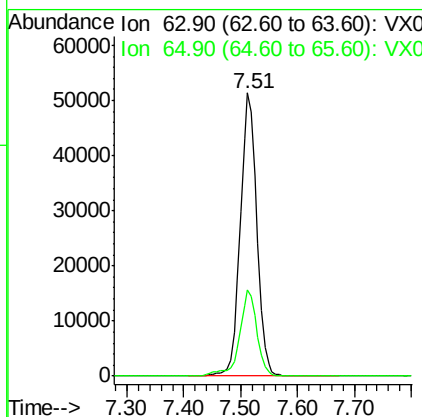
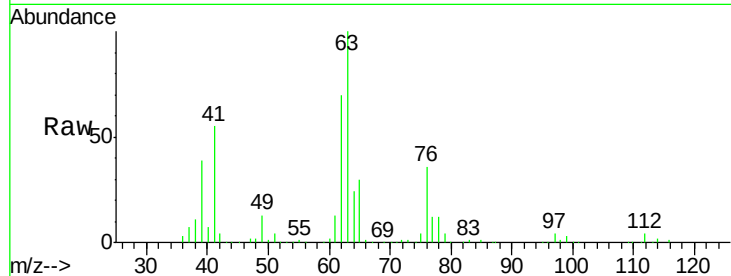
#45
 1,2-Dichloropropane
 Concen: 48.409 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion: 63 Resp: 105019
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

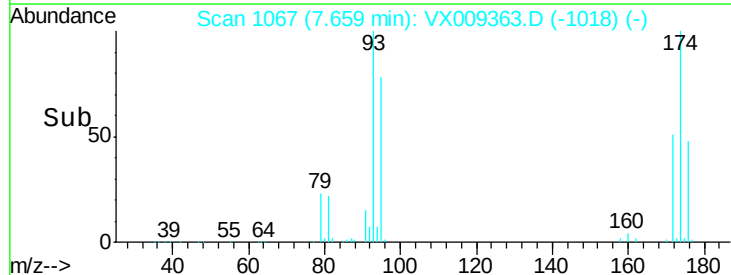
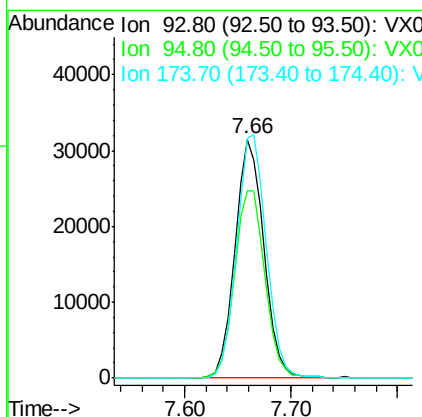
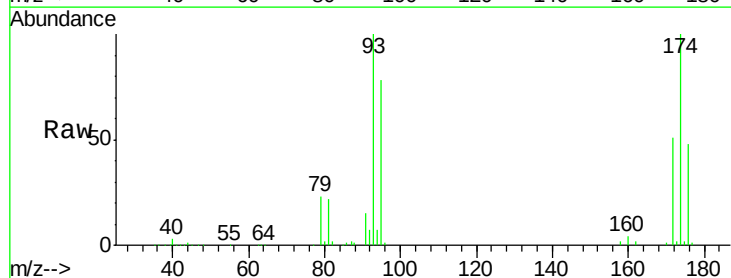
Manual Integrations
 APPROVED

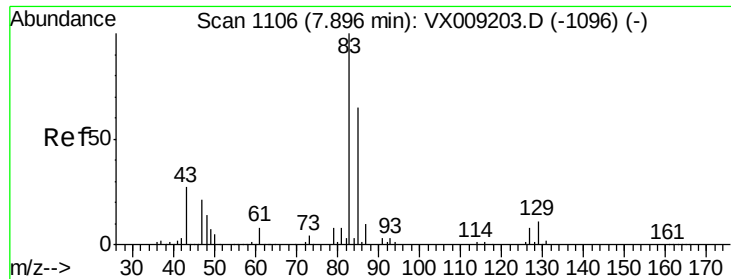
MMDadoda
 5/7/2019 9:42:09 AM



#46
 Dibromomethane
 Concen: 47.616 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion: 93 Resp: 59986
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.5 99.7
 174 104.6 82.1 123.1





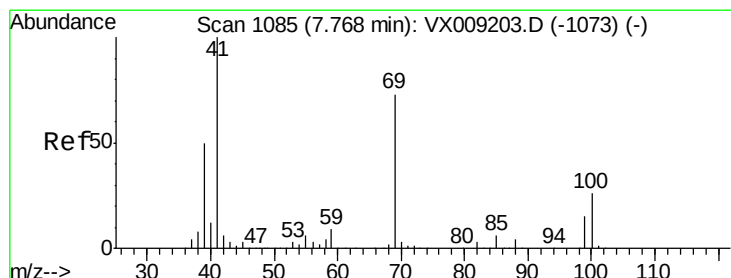
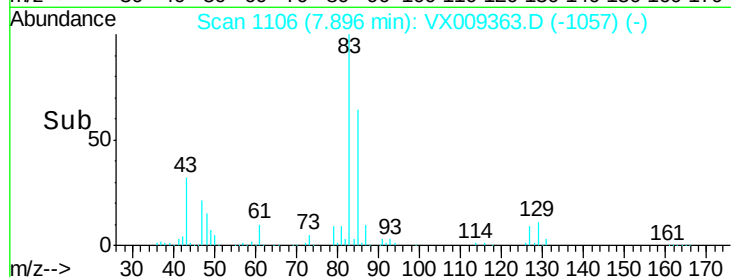
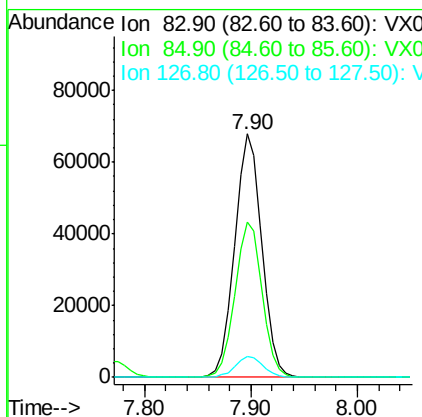
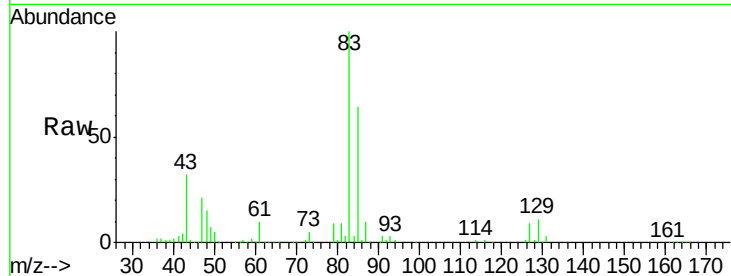
#47
 Bromodichloromethane
 Concen: 48.360 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion	83	Resp	121525
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	52.4	78.6
127	8.6	6.6	10.0

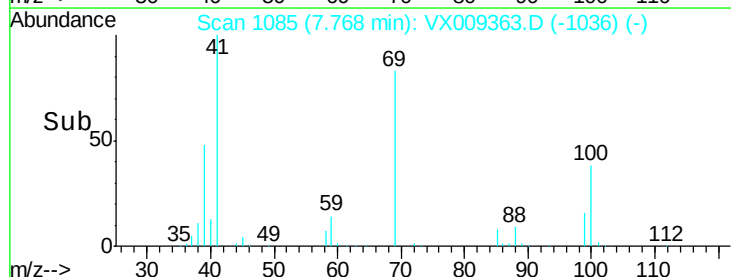
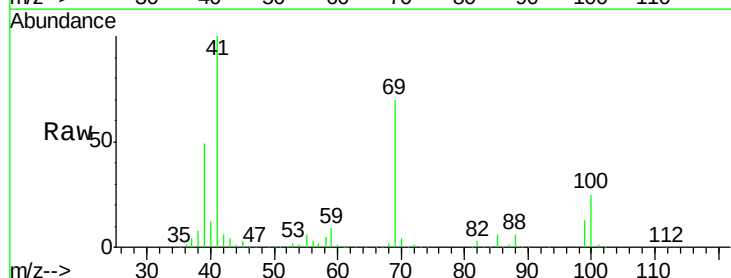
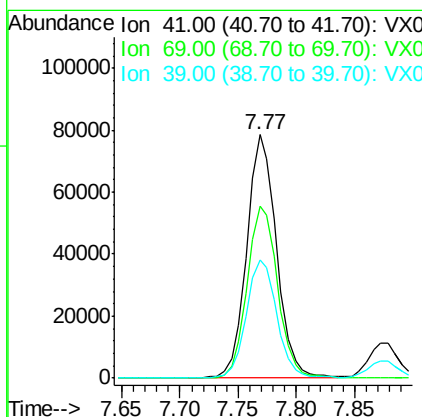
Manual Integrations
 APPROVED

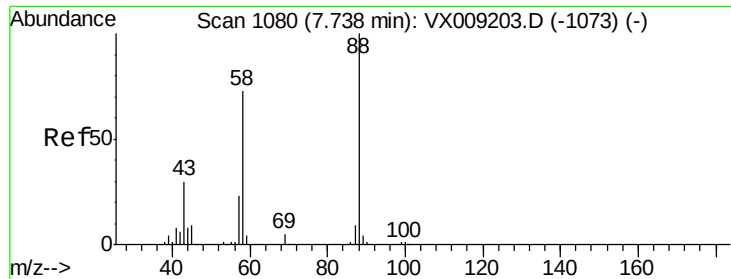
MMDadoda
 5/7/2019 9:42:09 AM



#48
 Methyl methacrylate
 Concen: 51.095 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion	41	Resp	139856
Ion Ratio	100	Lower	Upper
41	100		
69	72.9	59.1	88.7
39	49.7	40.4	60.6





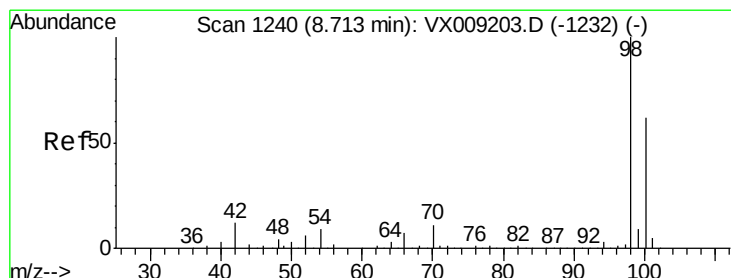
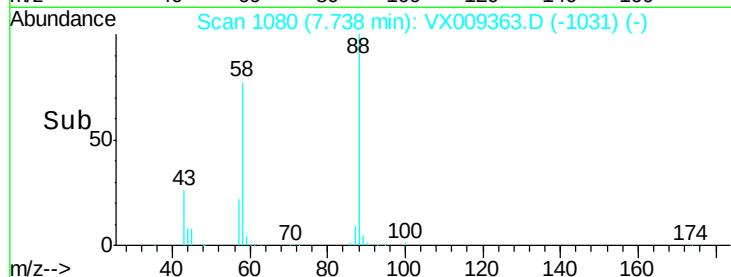
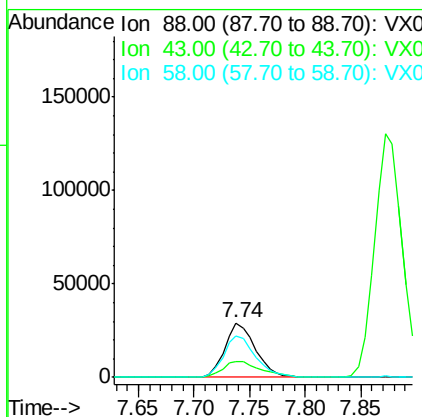
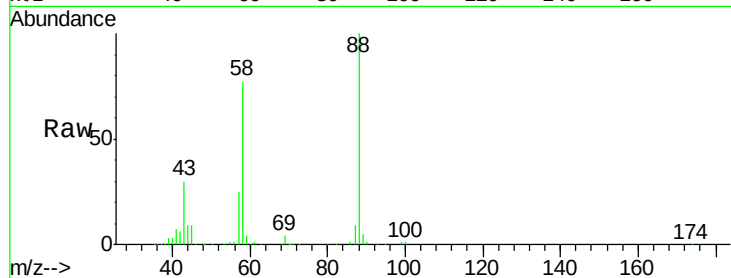
#49
1,4-Dioxane
Concen: 1008.290 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	88	Resp	55970
Ion	Ratio	Lower	Upper
88	100		
43	35.8	28.6	42.8
58	79.2	61.7	92.5

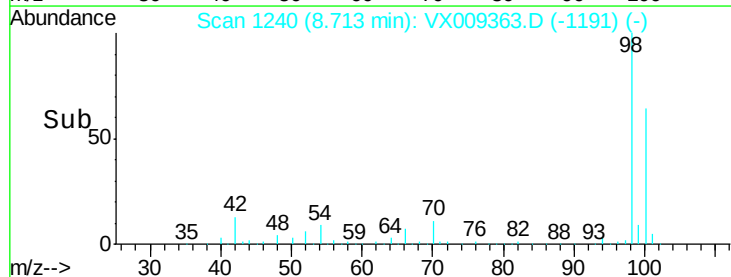
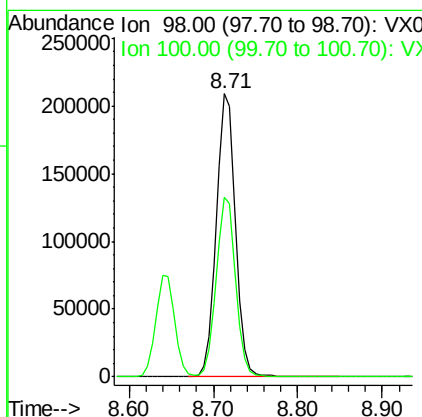
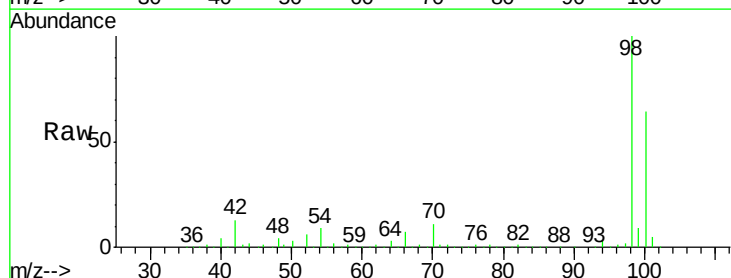
Manual Integrations
APPROVED

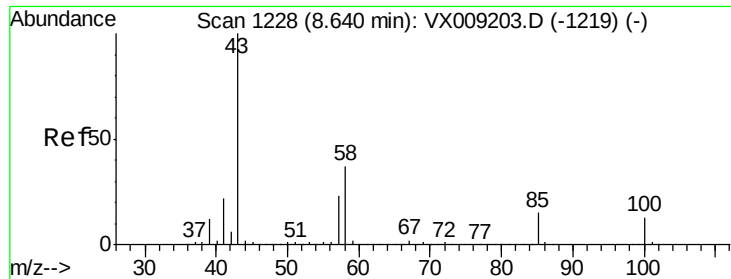
MMDadoda
5/7/2019 9:42:09 AM



#50
Toluene-d8
Concen: 49.023 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	98	Resp	331433
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





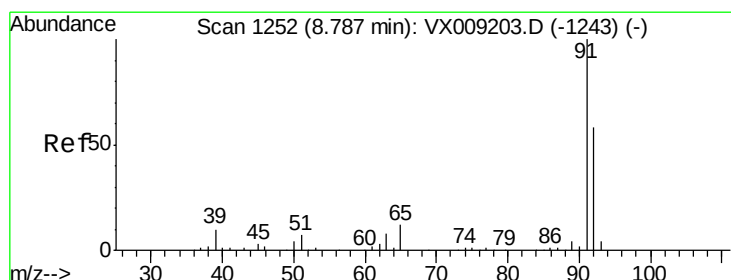
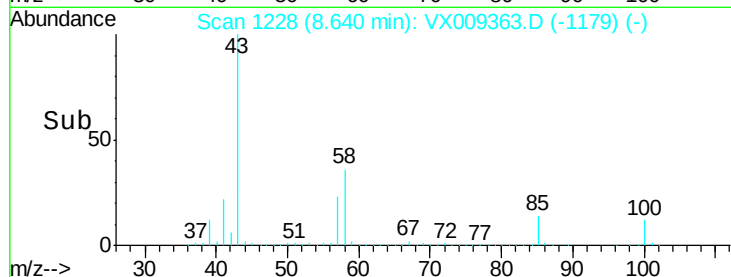
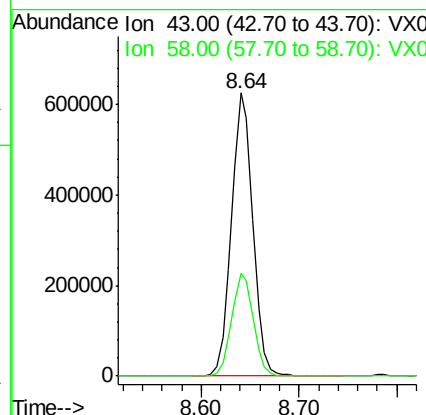
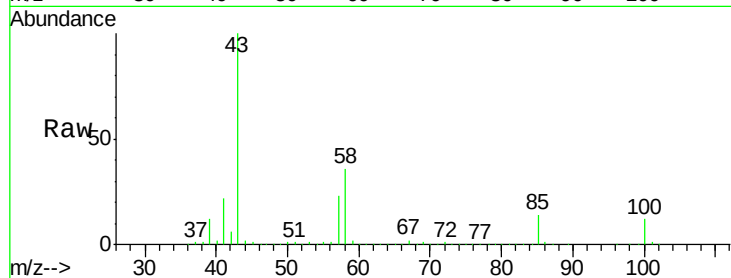
#51
4-Methyl-2-Pentanone
Concen: 262.585 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	36.7		29.5	44.3	

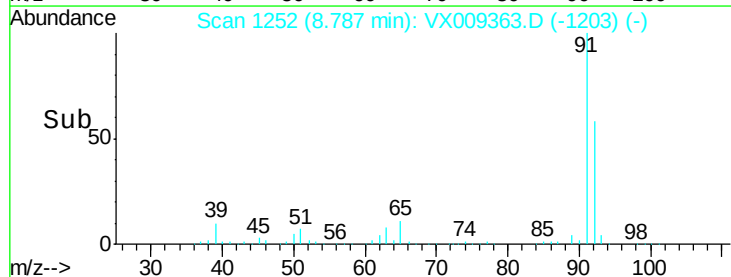
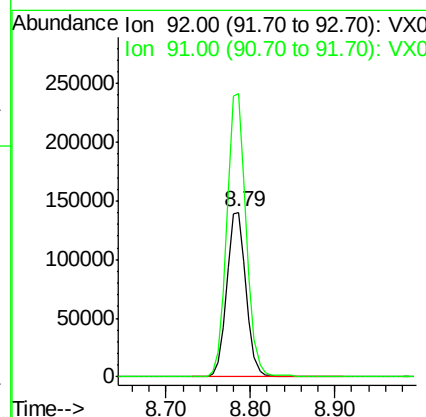
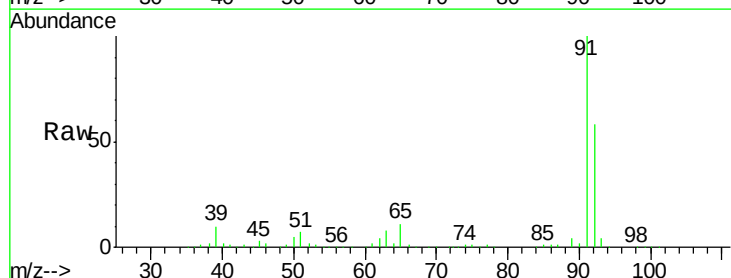
Manual Integrations
APPROVED

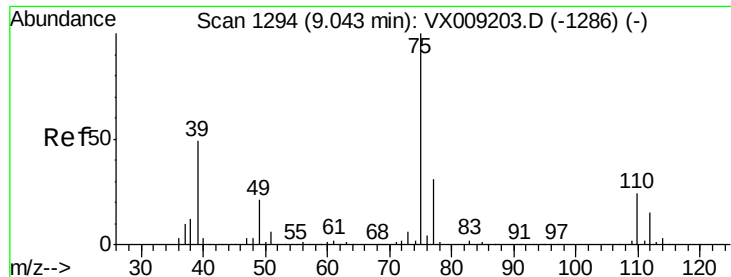
MMDadoda
5/7/2019 9:42:09 AM



#52
Toluene
Concen: 47.911 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	172.0		138.8	208.2	





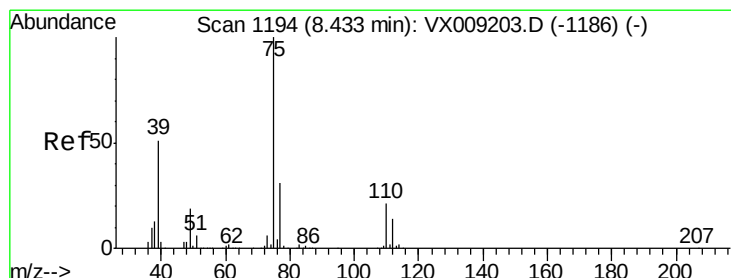
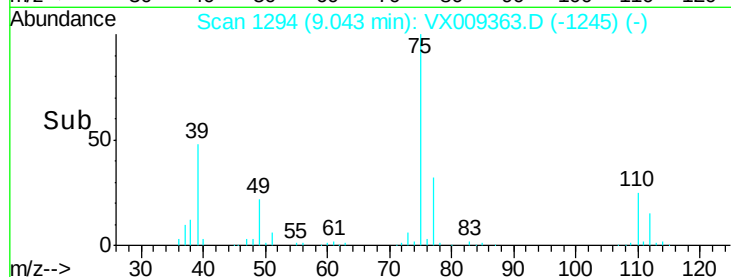
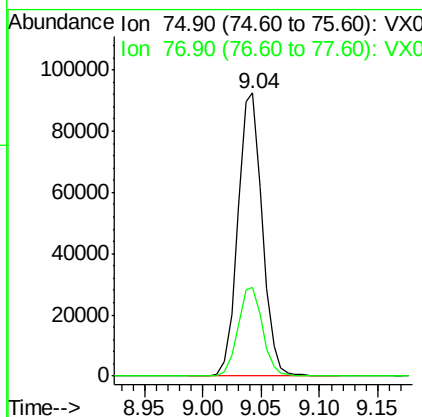
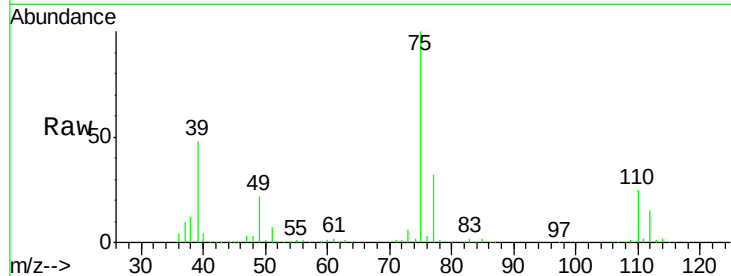
#53
t-1,3-Dichloropropene
Concen: 47.564 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6

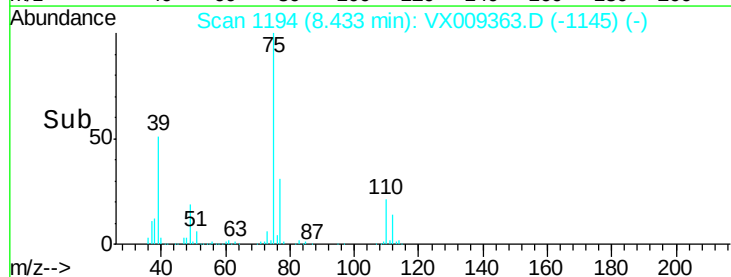
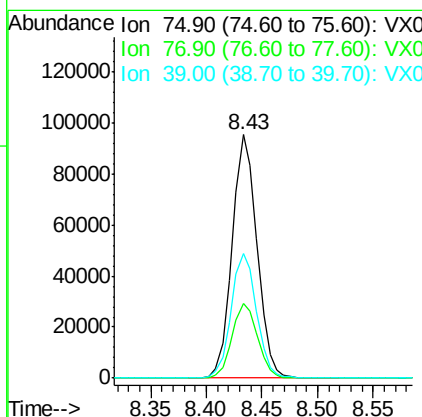
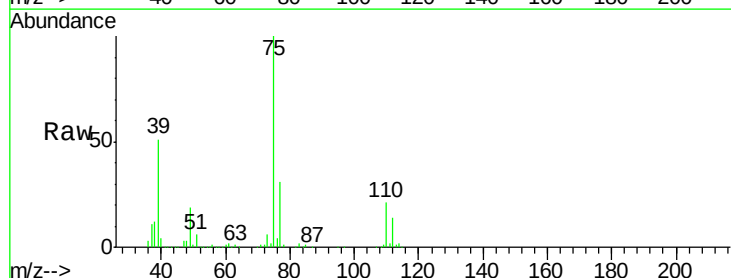
Manual Integrations
APPROVED

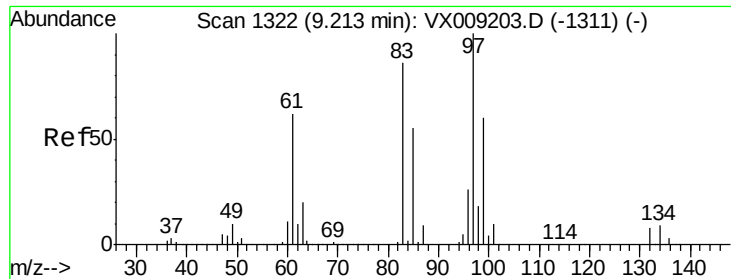
MMDadoda
5/7/2019 9:42:09 AM



#54
cis-1,3-Dichloropropene
Concen: 47.054 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.6	36.8
39	51.0	40.6	60.8





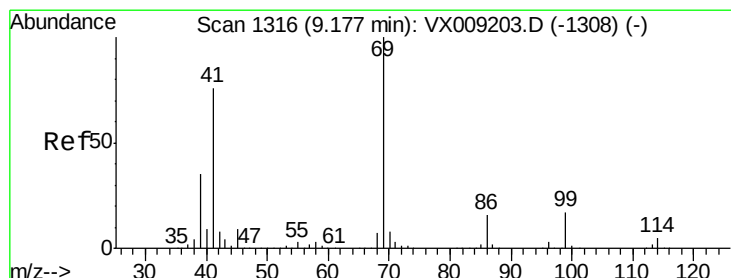
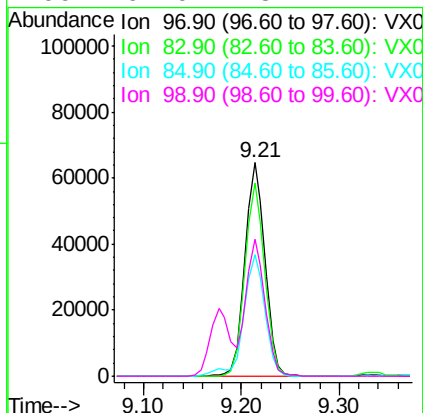
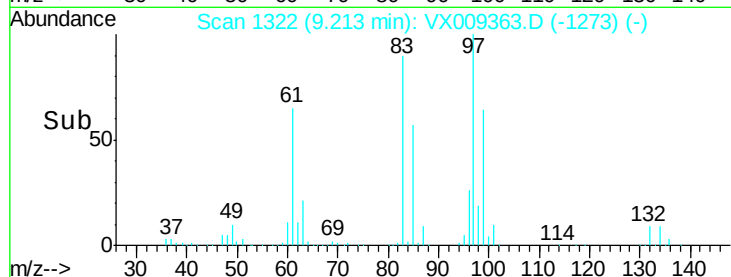
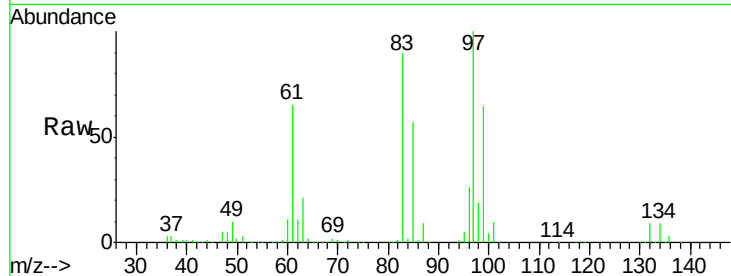
#55
 1,1,2-Trichloroethane
 Concen: 48.788 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion:	97	Resp:	92696
Ion	Ratio	Lower	Upper
97	100		
83	90.4	68.9	103.3
85	57.0	43.8	65.6
99	64.0	48.2	72.2

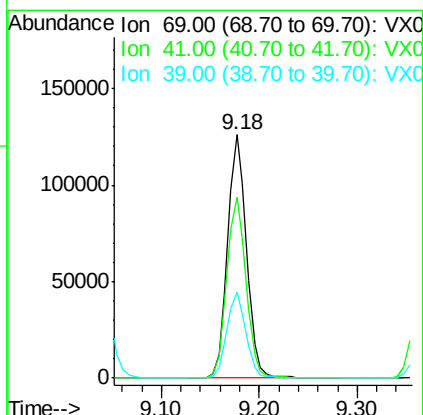
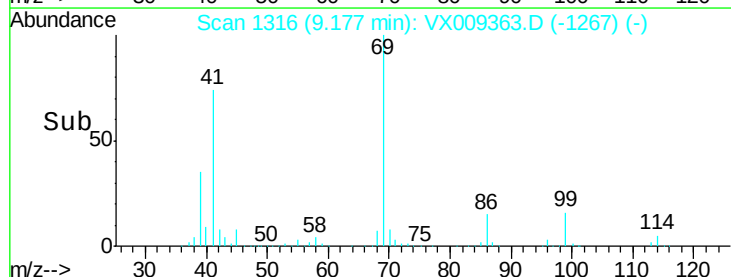
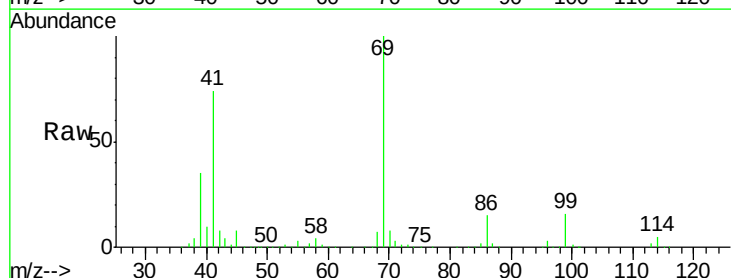
Manual Integrations
 APPROVED

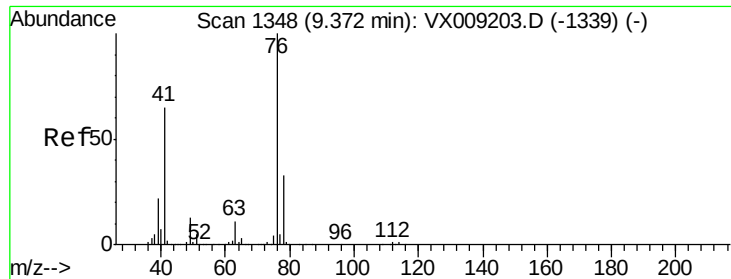
MMDadoda
 5/7/2019 9:42:09 AM



#56
 Ethyl methacrylate
 Concen: 50.041 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion:	69	Resp:	169720
Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.6	90.8
39	35.6	28.2	42.4





#57

1,3-Dichloropropane

Concen: 48.224 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion: 76 Resp: 161237

Ion Ratio Lower Upper

76 100

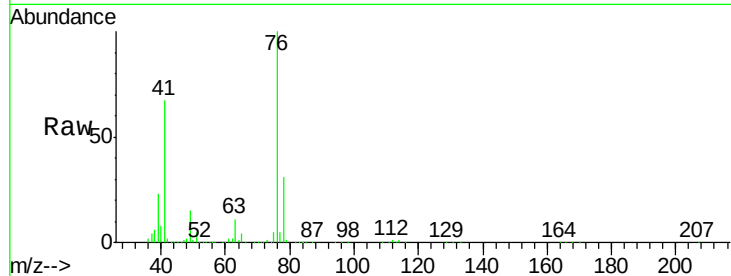
78 32.1 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

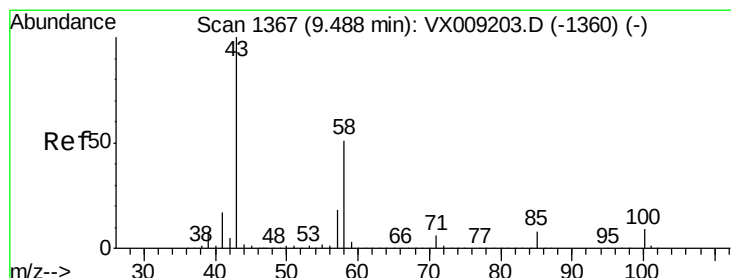
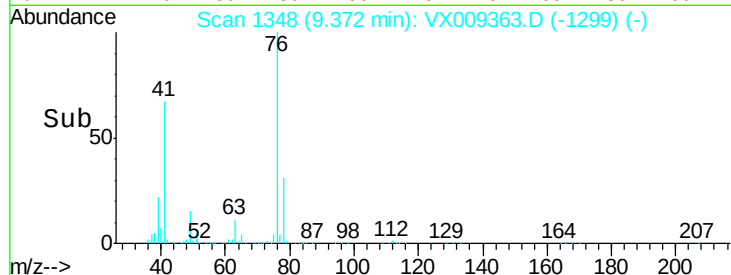
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 262.376 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009363.D

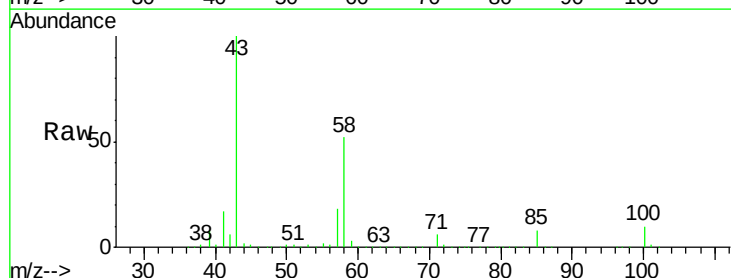
Acq: 06 May 2019 20:10

Tgt Ion: 43 Resp: 743101

Ion Ratio Lower Upper

43 100

58 51.9 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

600000

500000

400000

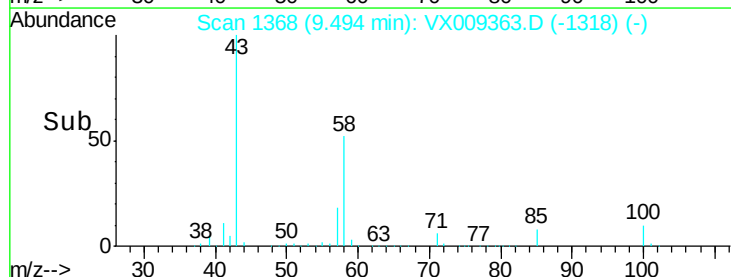
300000

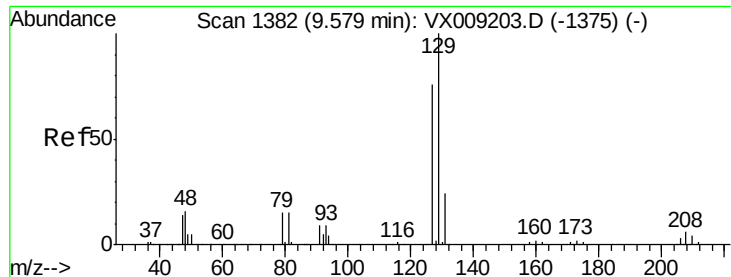
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 49.969 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion:129 Resp: 92728

Ion Ratio Lower Upper

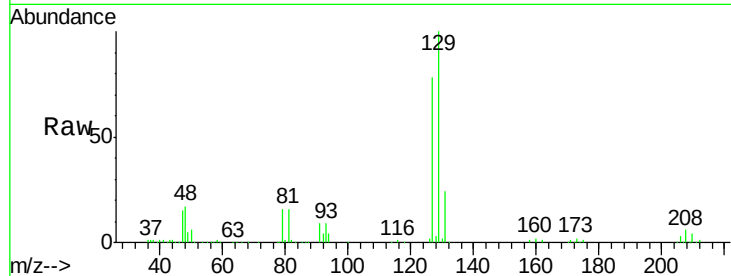
129 100

127 77.0 38.4 115.1

Manual Integrations
APPROVED

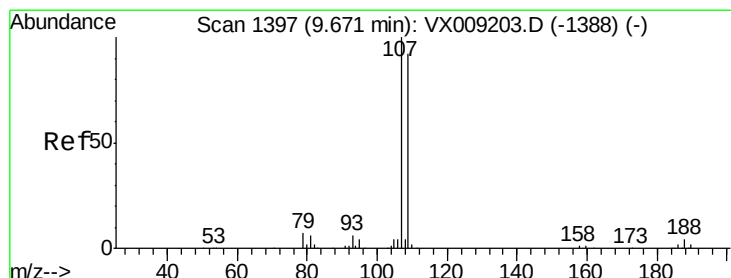
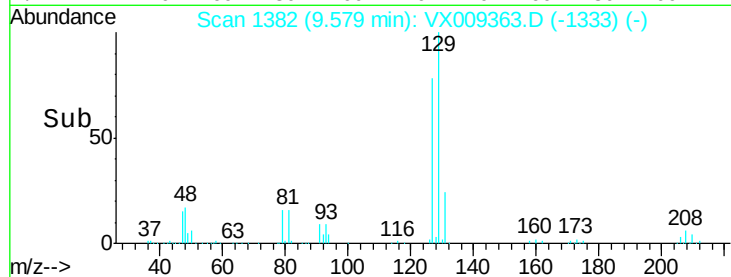
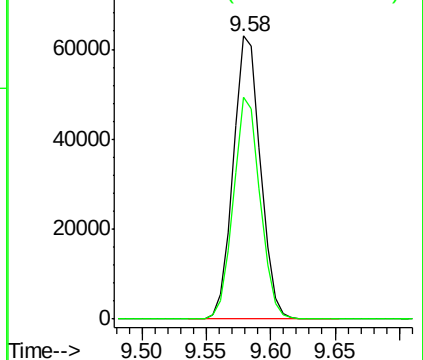
MMDadoda

5/7/2019 9:42:09 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.771 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009363.D

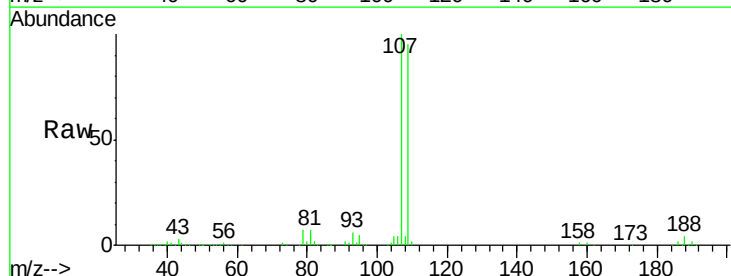
Acq: 06 May 2019 20:10

Tgt Ion:107 Resp: 93538

Ion Ratio Lower Upper

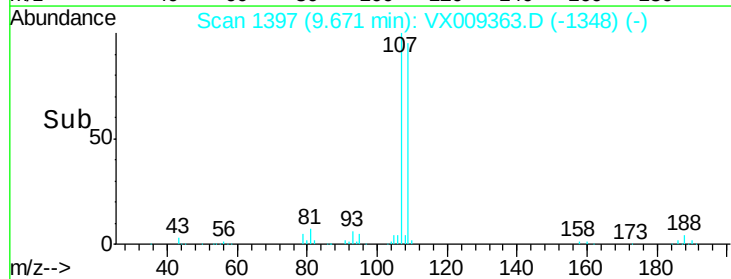
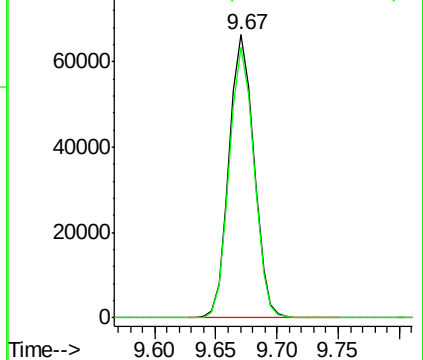
107 100

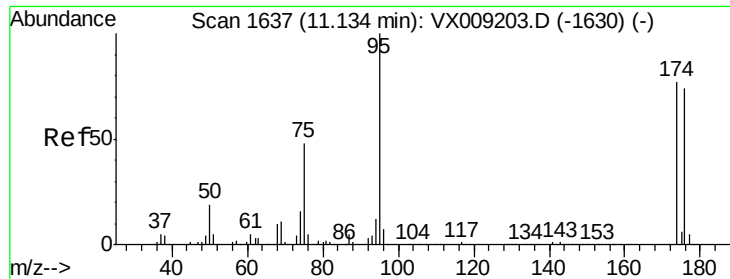
109 95.1 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 48.968 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

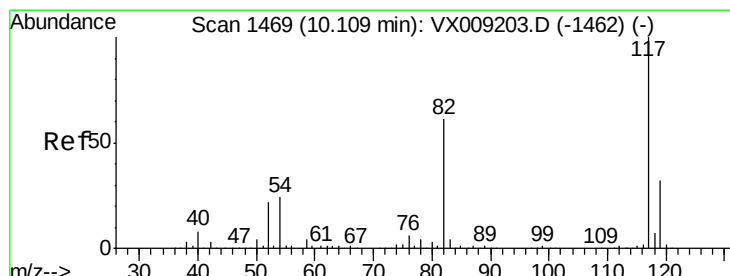
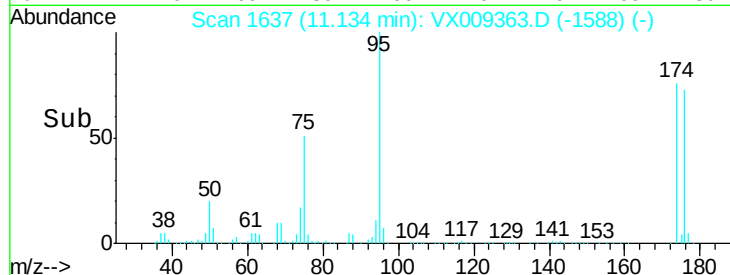
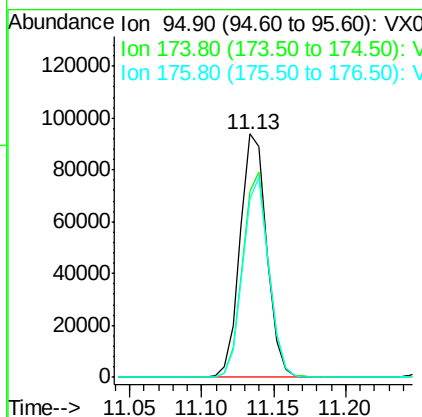
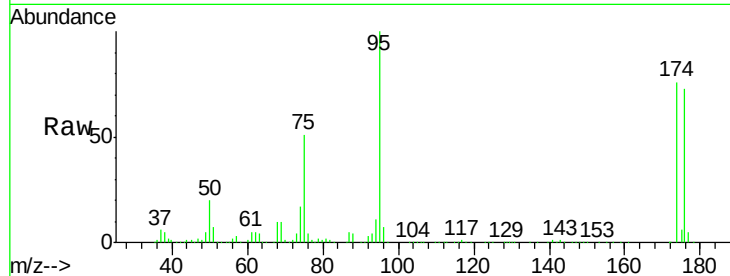
ClientSampleId :

MW-4-20190502MS

Tot Ion	95	Resp	120295
Ion Ratio	Lower	Upper	
95	100		
174	82.2	0.0	161.6
176	79.6	0.0	159.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

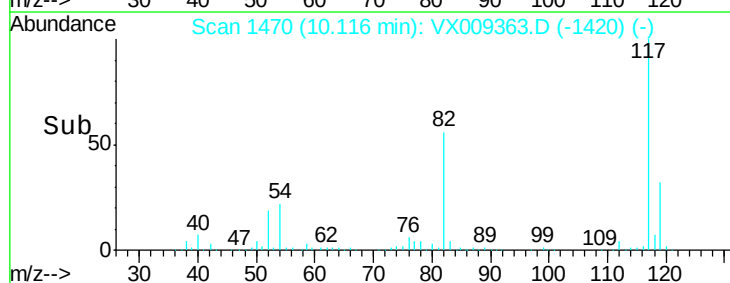
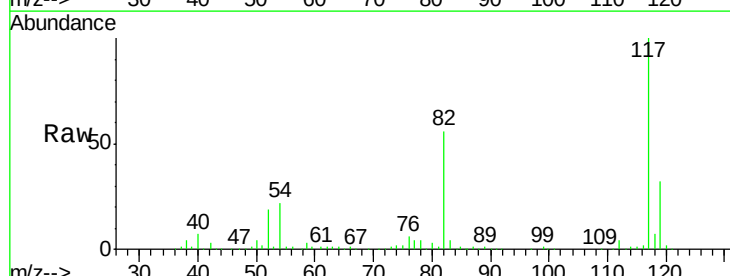
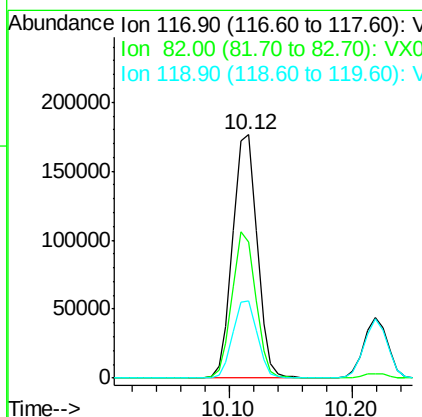
RT: 10.12 min Scan# 1470

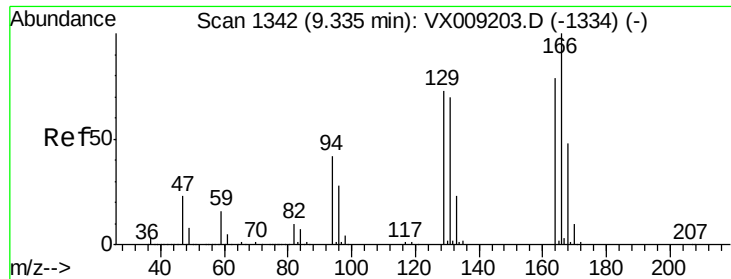
Delta R.T. 0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Tgt Ion	117	Resp	244286
Ion Ratio	Lower	Upper	
117	100		
82	55.8	48.8	73.2
119	32.0	25.8	38.6





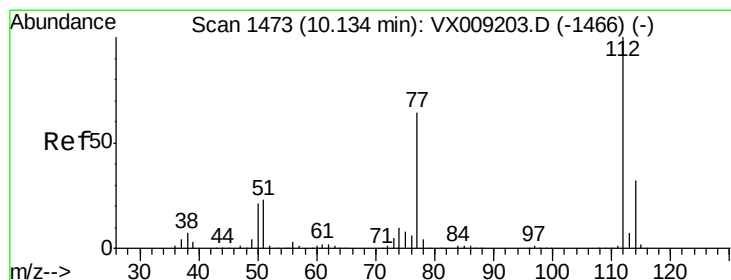
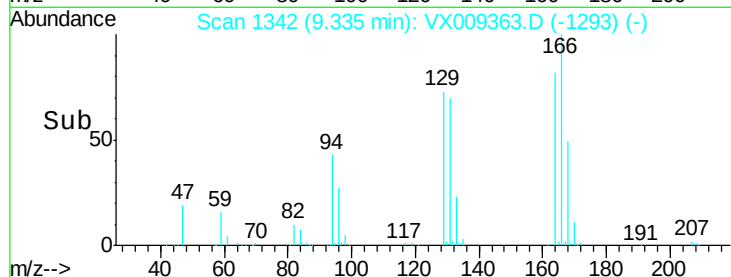
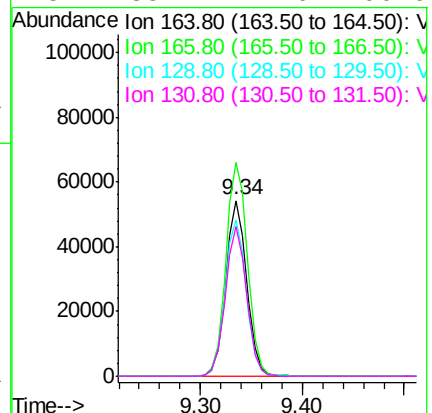
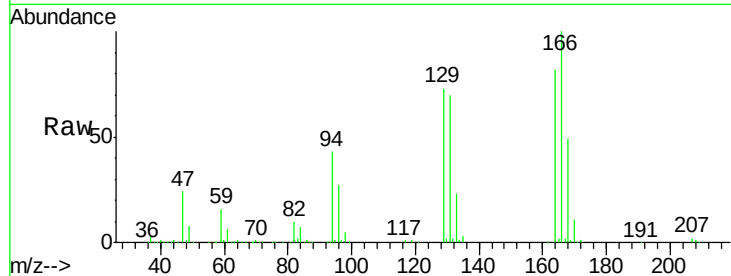
#64
Tetrachloroethene
Concen: 46.097 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.2	151.8
129	89.4	74.3	111.5
131	85.1	71.0	106.6

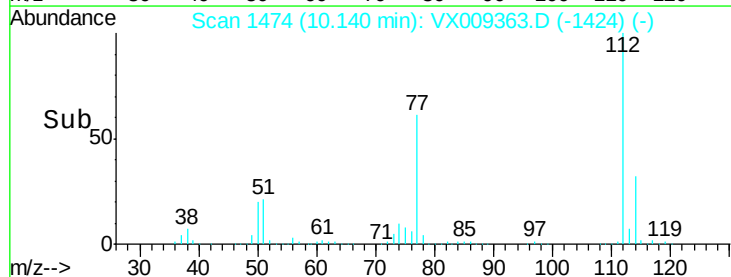
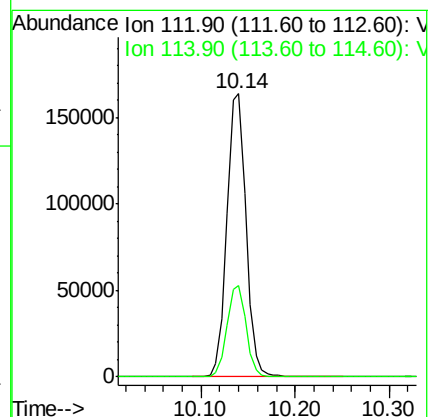
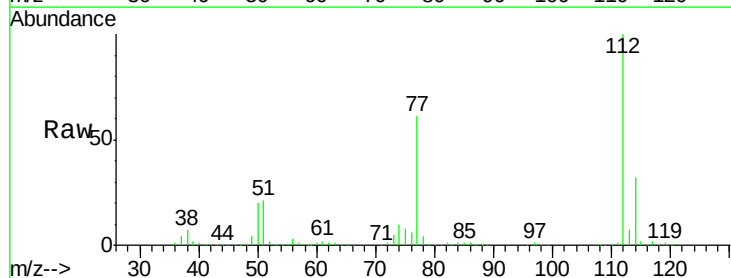
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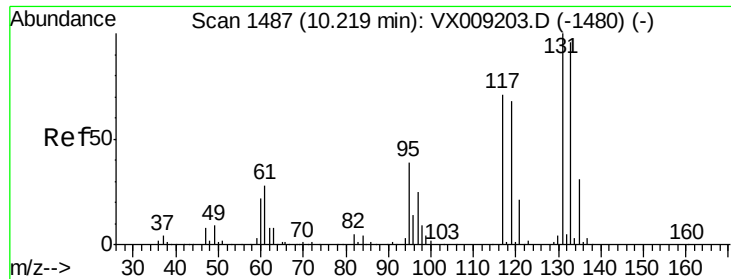
MMDadoda
5/7/2019 9:42:09 AM



#65
Chlorobenzene
Concen: 47.173 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.5	38.3





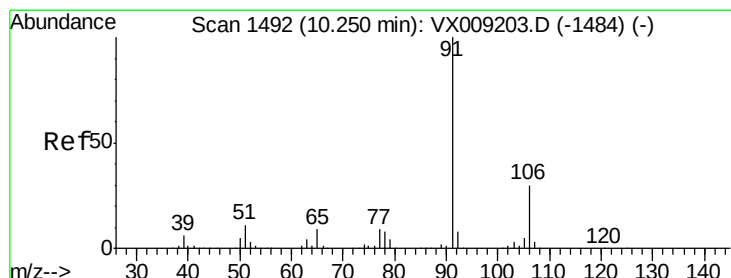
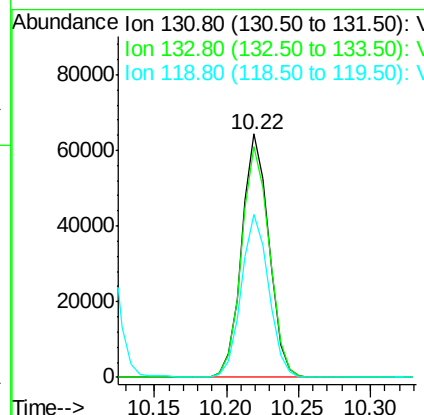
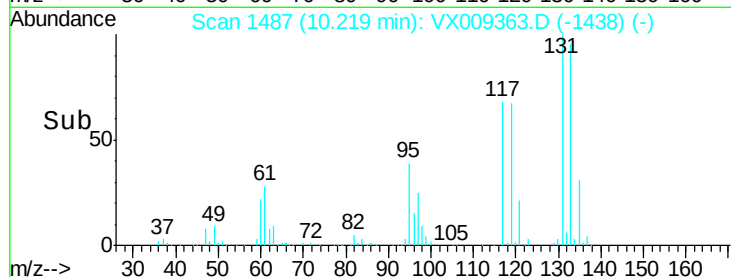
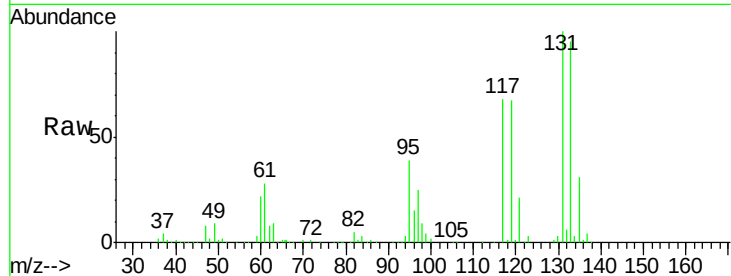
#66
 1,1,1,2-Tetrachloroethane
 Concen: 47.737 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.7	143.1
119	67.7	33.5	100.4

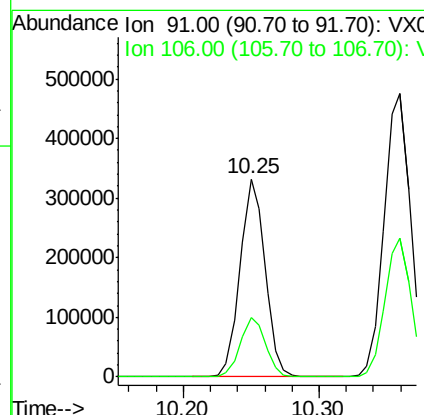
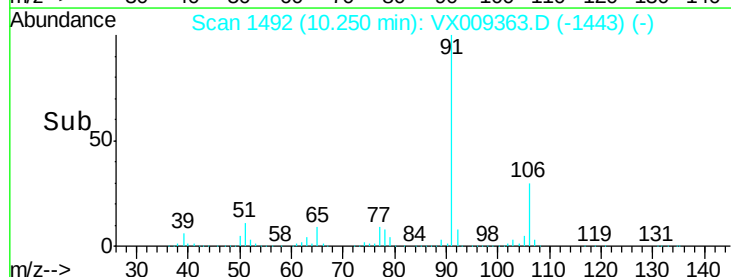
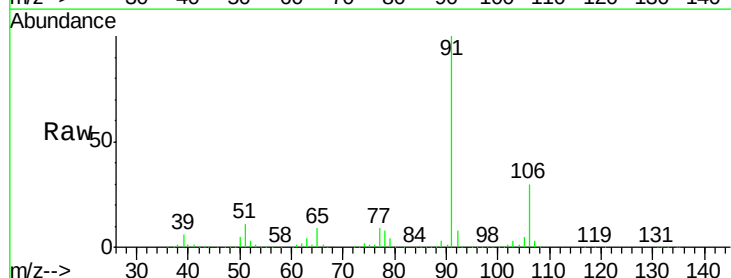
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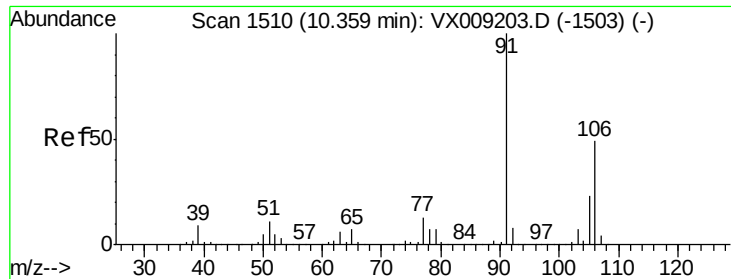
MMDadoda
 5/7/2019 9:42:09 AM



#67
 Ethyl Benzene
 Concen: 47.420 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.0	36.0





#68

m/p-Xylenes

Concen: 95.053 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion:106 Resp: 312397

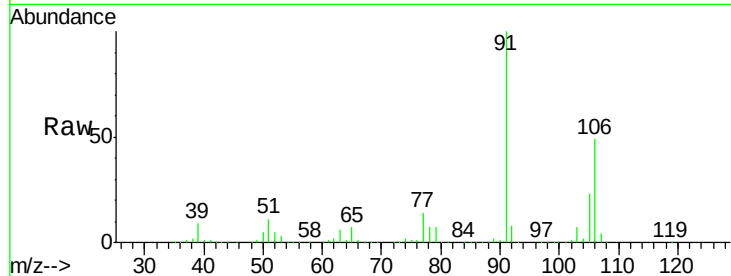
Ion Ratio Lower Upper

106 100

91 206.9 164.0 246.0

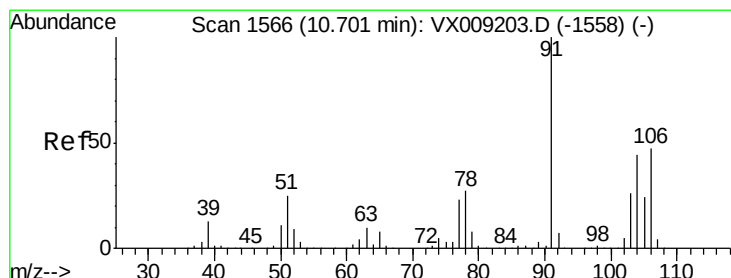
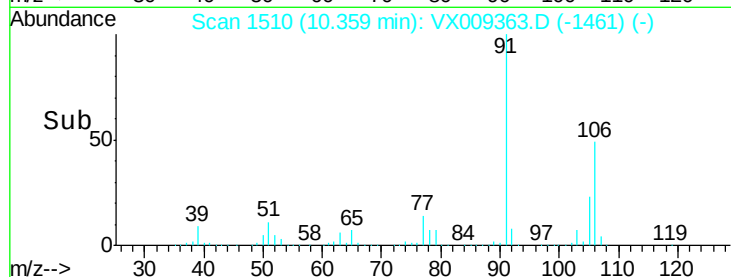
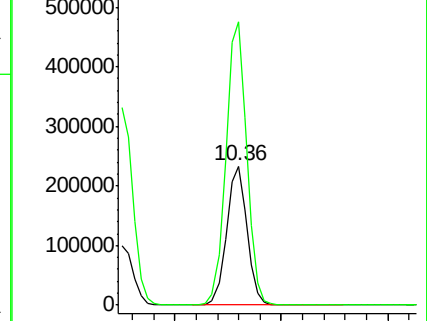
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 47.556 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX009363.D

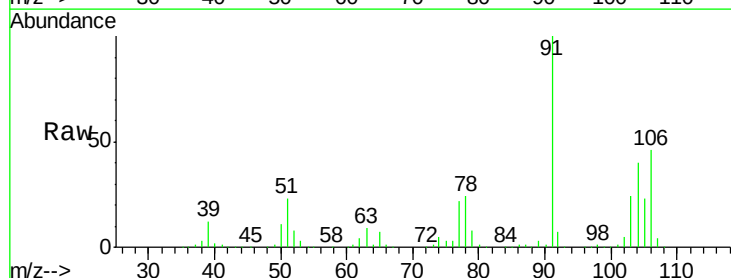
Acq: 06 May 2019 20:10

Tgt Ion:106 Resp: 154209

Ion Ratio Lower Upper

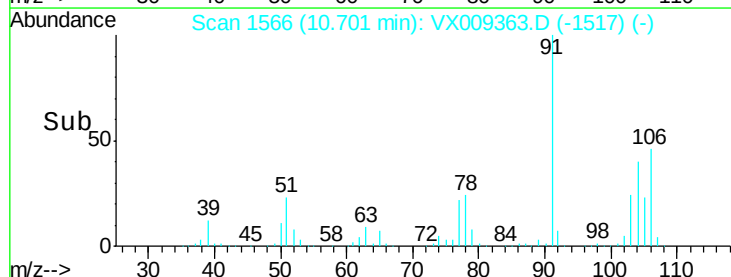
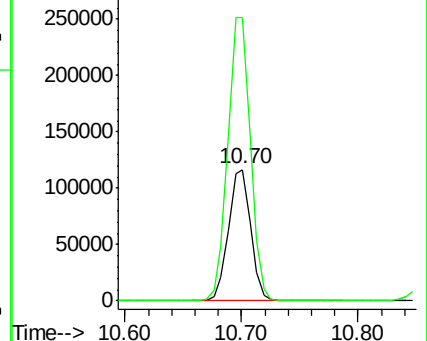
106 100

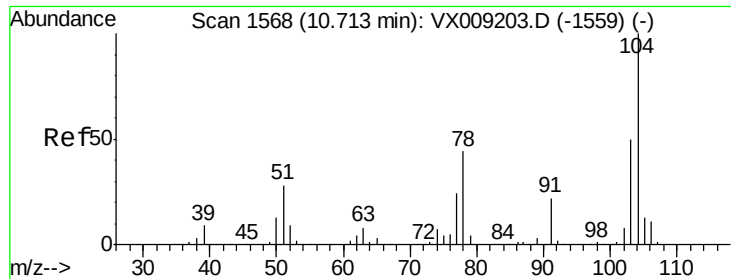
91 219.5 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 47.774 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

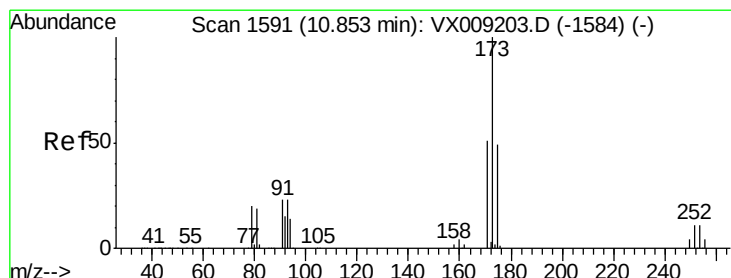
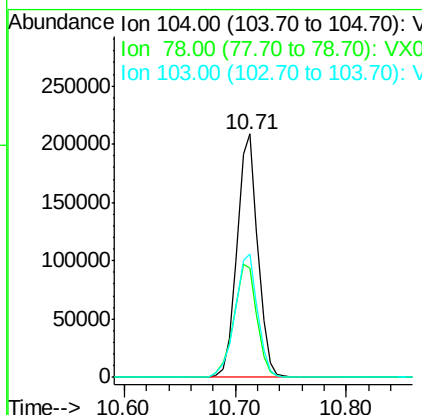
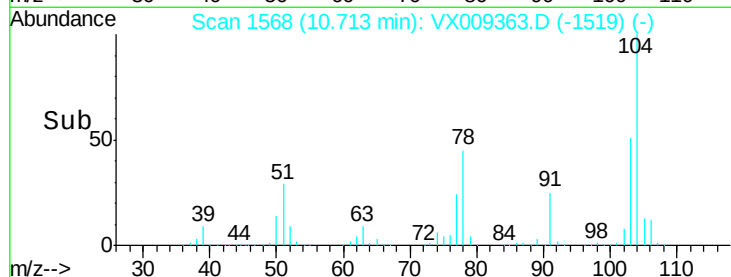
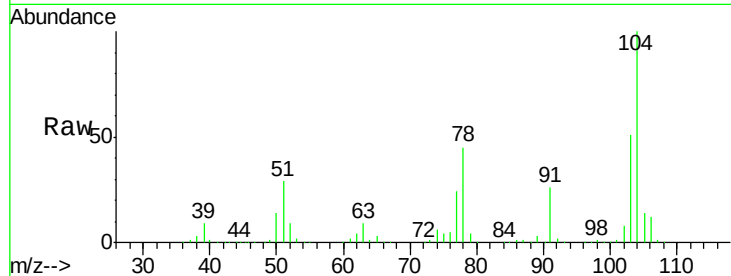
ClientSampleId :

MW-4-20190502MS

Tot Ion:	104	Resp:	269256
Ion Ratio	Lower	Upper	
104	100		
78	51.5	41.0	61.4
103	55.2	43.8	65.6

Manual Integrations
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#71

Bromoform

Concen: 50.197 ug/l

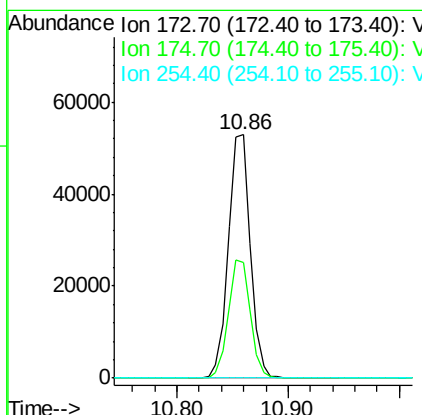
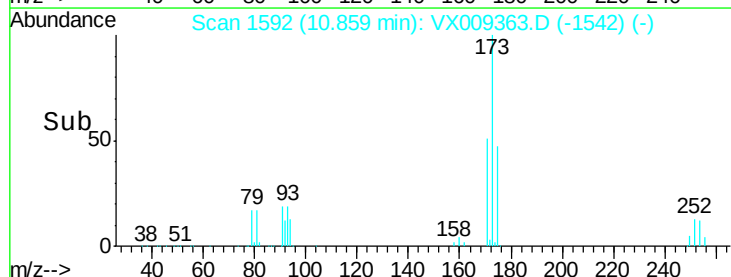
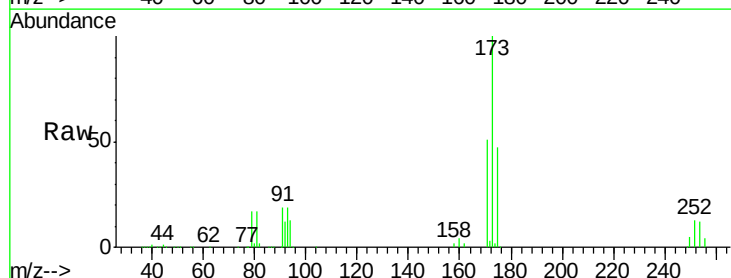
RT: 10.86 min Scan# 1592

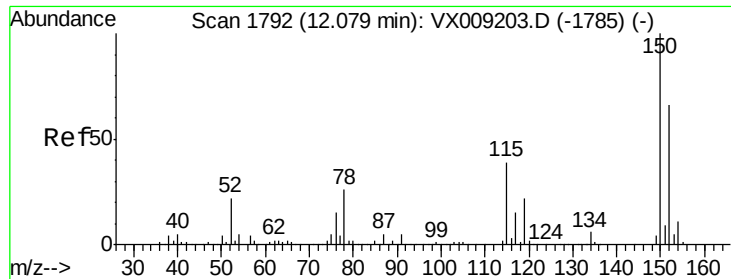
Delta R.T. 0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Tgt Ion:	173	Resp:	72271
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.5	73.5
254	0.1	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion:152 Resp: 120376

Ion Ratio Lower Upper

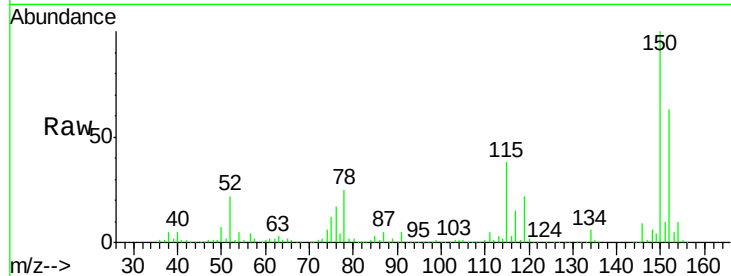
152 100

115 80.7 41.2 123.6

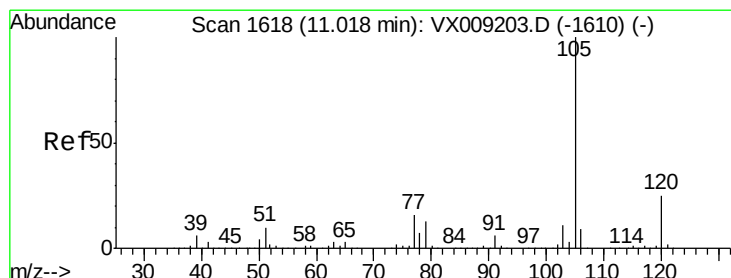
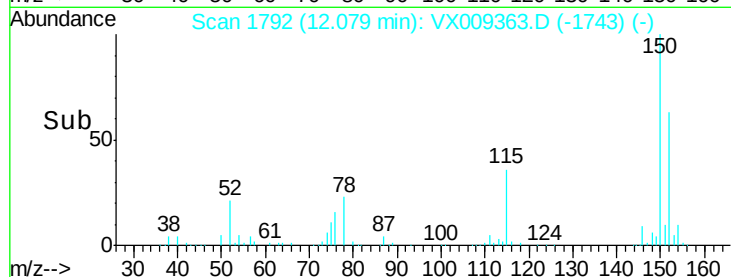
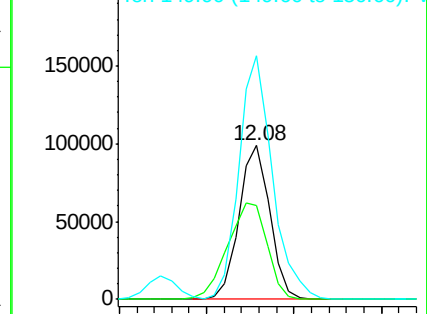
150 173.2 0.0 346.4

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 46.818 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009363.D

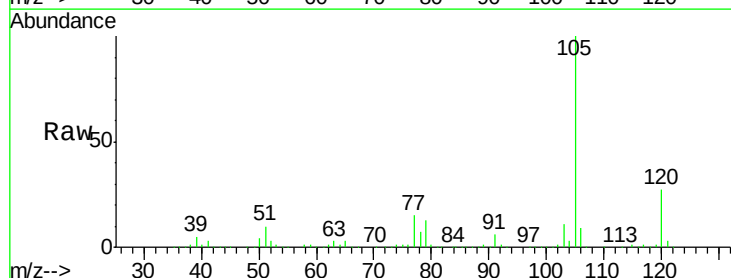
Acq: 06 May 2019 20:10

Tgt Ion:105 Resp: 409827

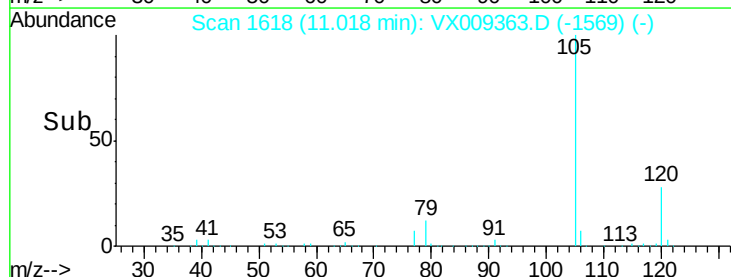
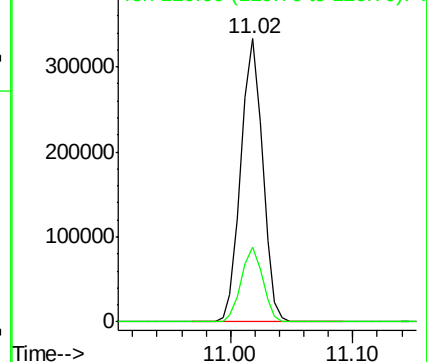
Ion Ratio Lower Upper

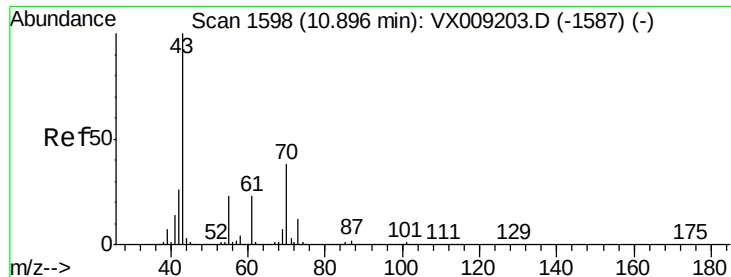
105 100

120 26.1 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.123 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009363.D

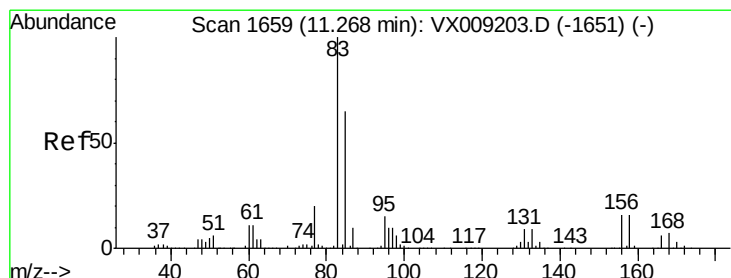
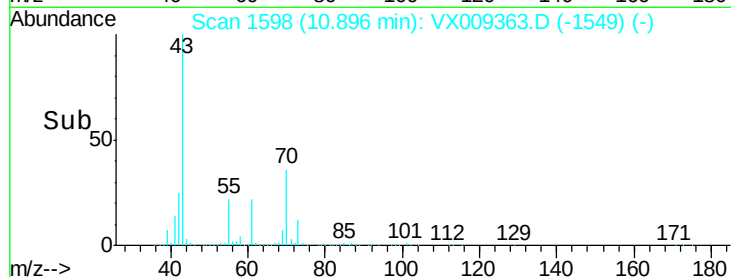
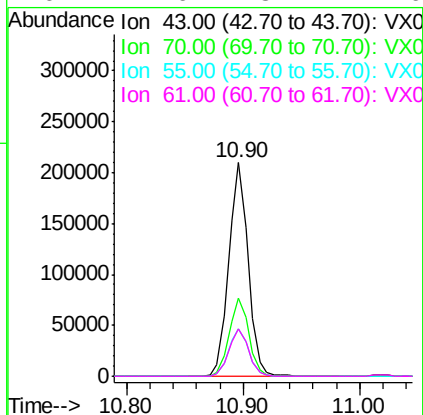
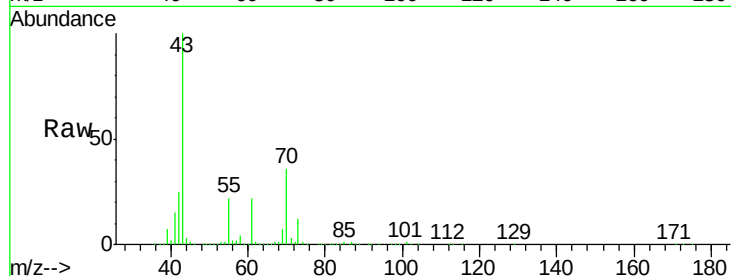
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		240492		
70	37.3	30.0	45.0		
55	23.1	17.9	26.9		
61	22.6	18.4	27.6		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 49.934 ug/l

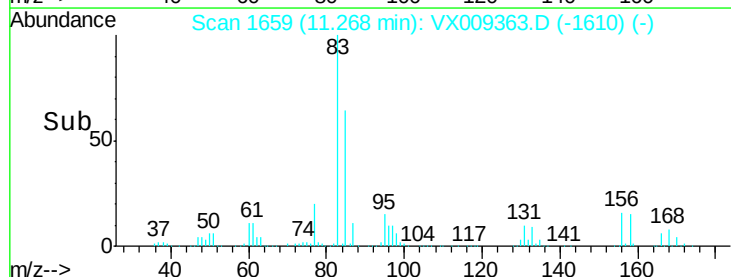
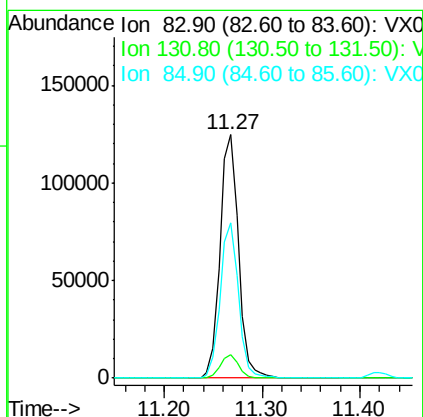
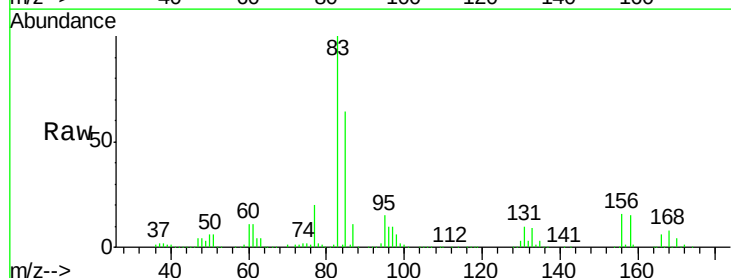
RT: 11.27 min Scan# 1659

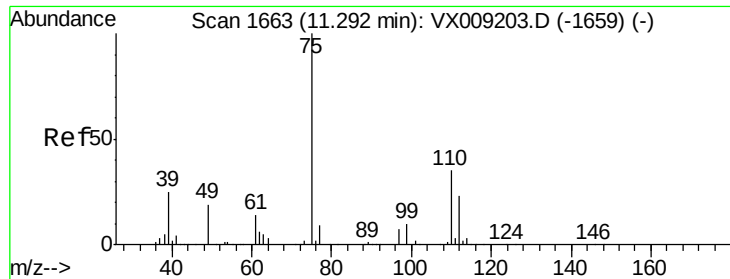
Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		162945		
131	9.5	4.6	13.8		
85	63.4	32.0	96.2		





#76

1,2,3-Trichloropropane

Concen: 49.038 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion: 75 Resp: 136929

Ion Ratio Lower Upper

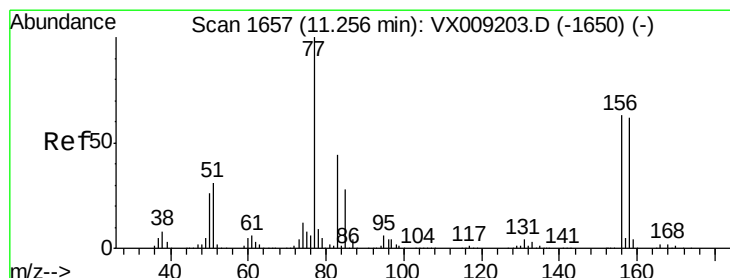
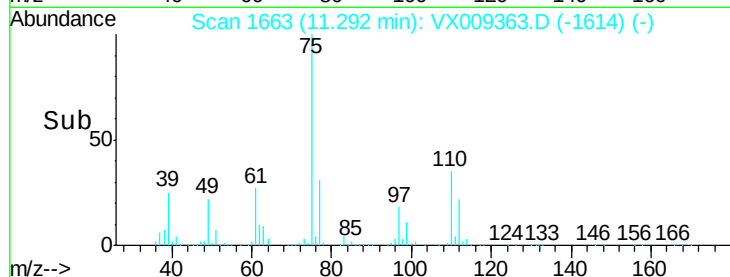
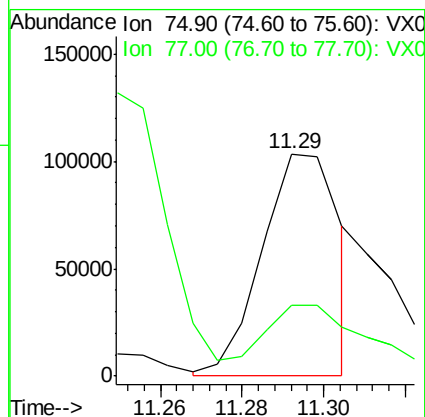
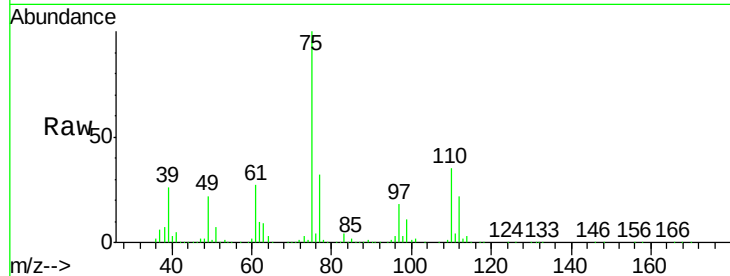
75 100

77 43.7 22.1 66.1

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#77

Bromobenzene

Concen: 46.980 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

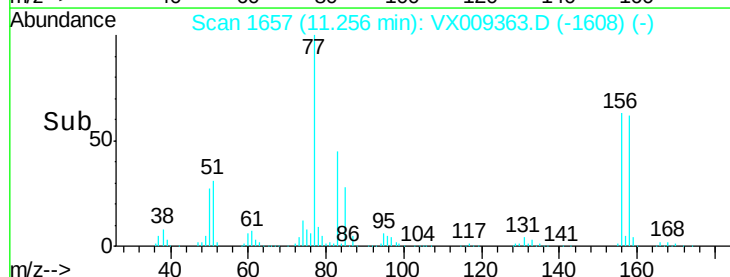
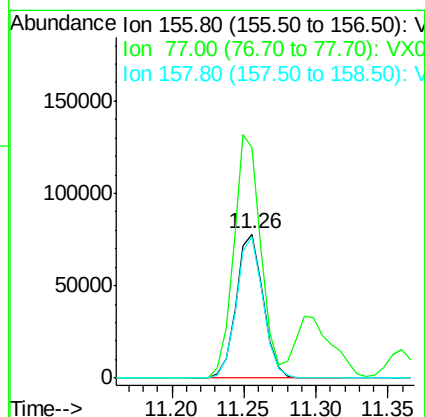
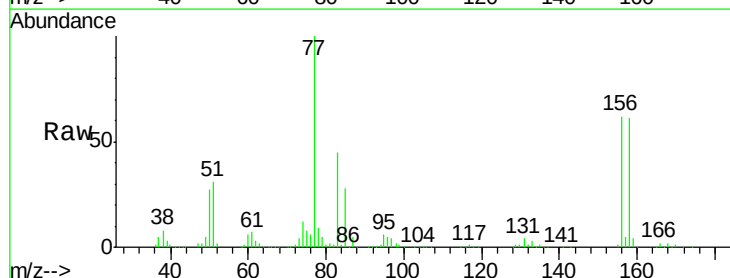
Tgt Ion: 156 Resp: 102072

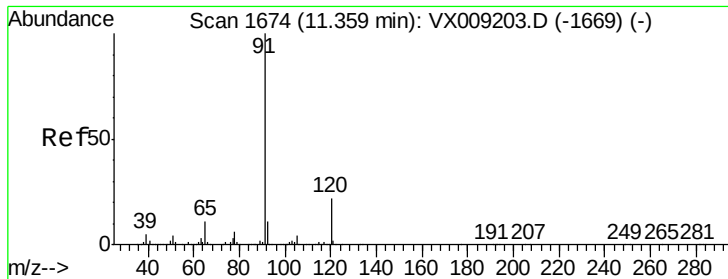
Ion Ratio Lower Upper

156 100

77 169.3 84.8 254.3

158 96.8 49.1 147.3





#78

n-propylbenzene

Concen: 47.158 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion: 91 Resp: 471441

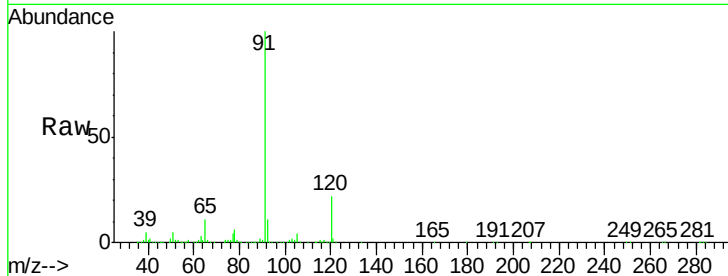
Ion Ratio Lower Upper

91 100

120 22.1 11.0 33.0

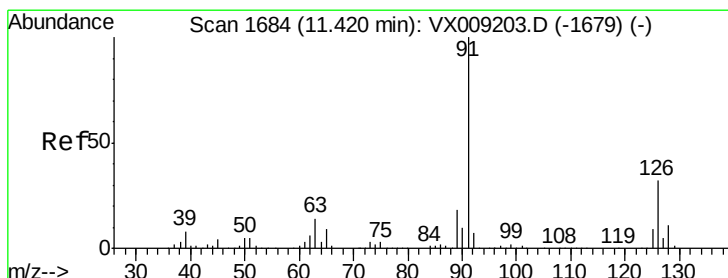
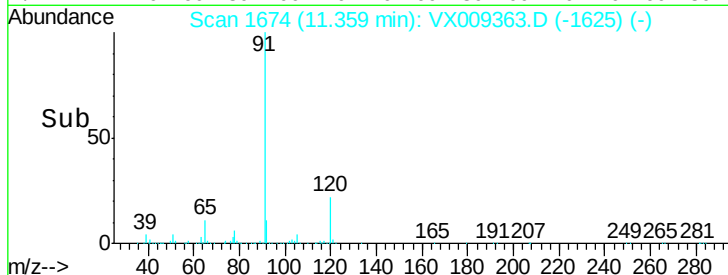
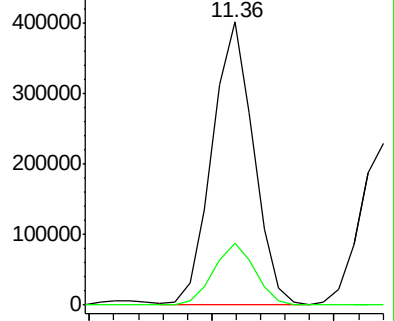
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 45.858 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009363.D

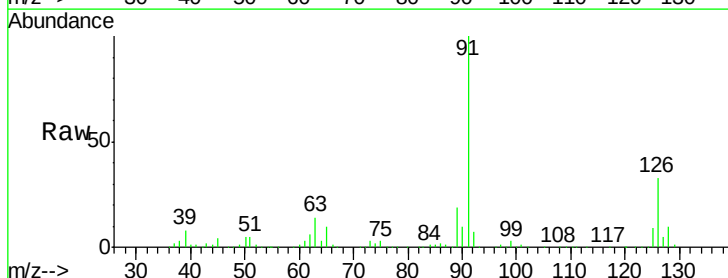
Acq: 06 May 2019 20:10

Tgt Ion: 91 Resp: 282838

Ion Ratio Lower Upper

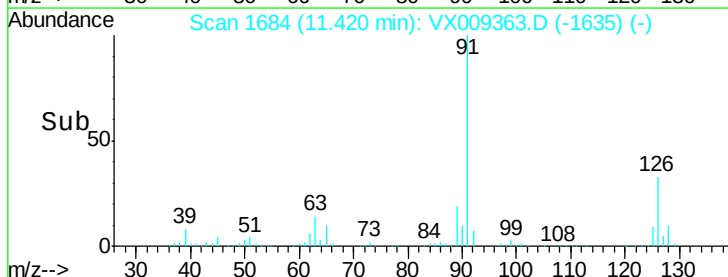
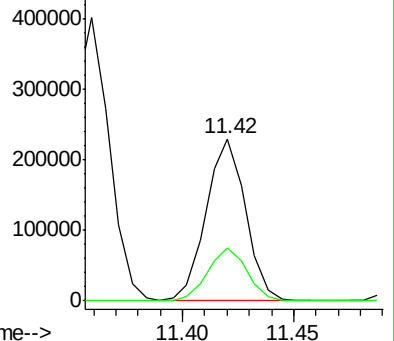
91 100

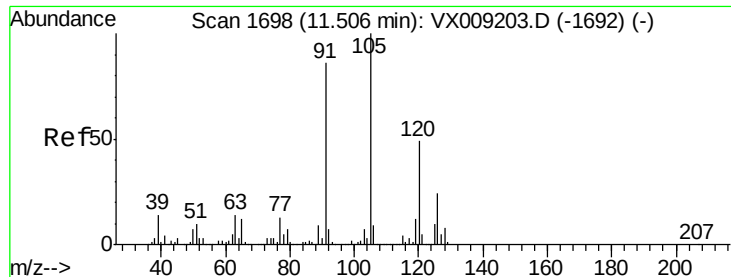
126 33.0 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





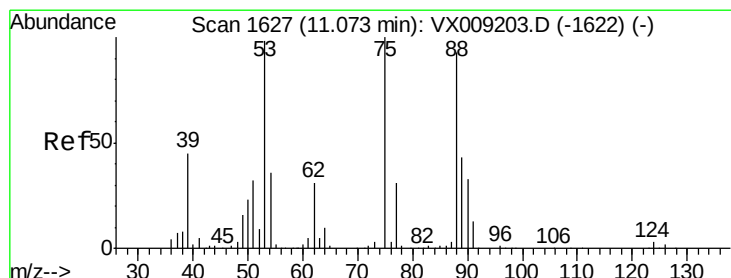
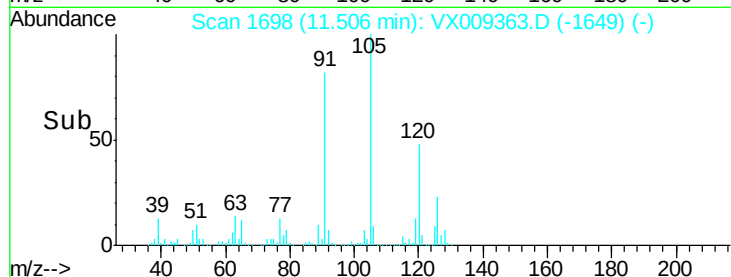
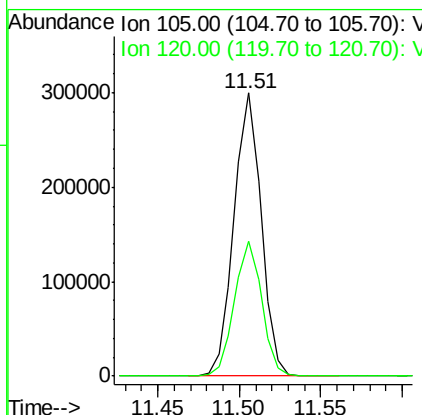
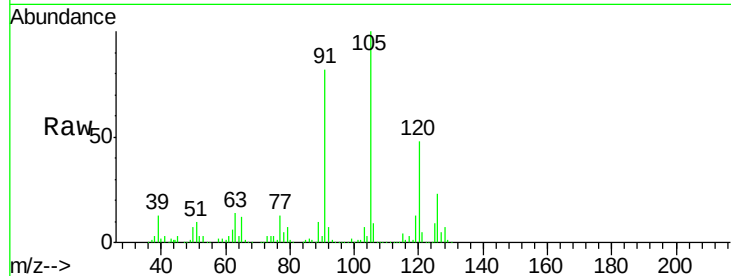
#80
 1,3,5-Trimethylbenzene
 Concen: 47.247 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.3	72.9

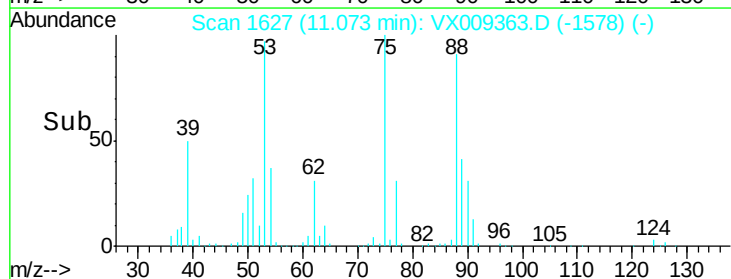
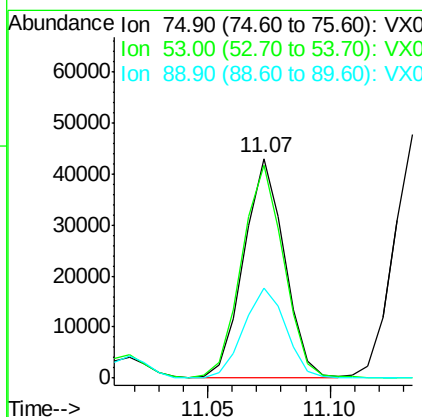
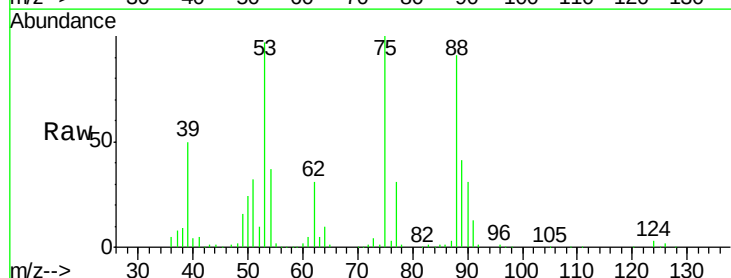
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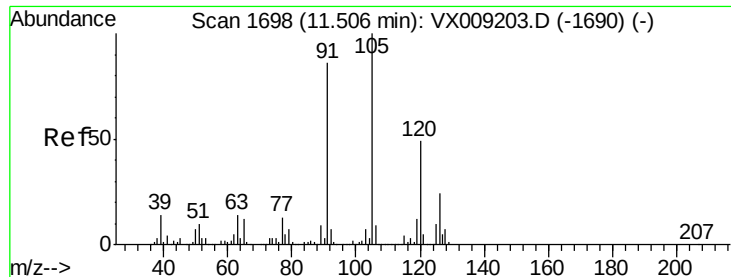
MMDadoda
 5/7/2019 9:42:09 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.593 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.1	79.0	118.6
89	43.0	34.7	52.1





#82

4-Chlorotoluene

Concen: 46.517 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion: 91 Resp: 324114

Ion Ratio Lower Upper

91 100

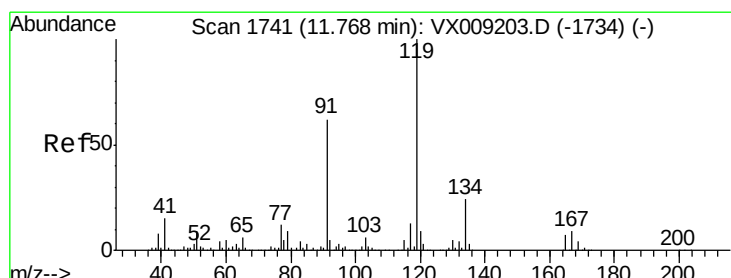
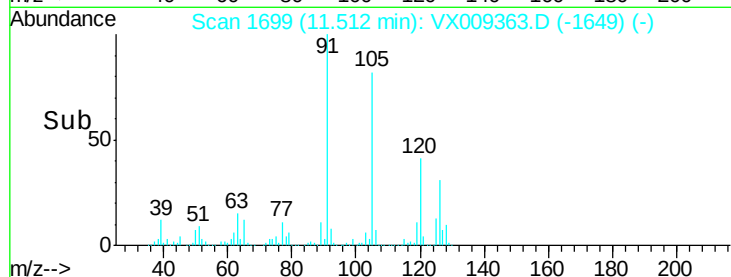
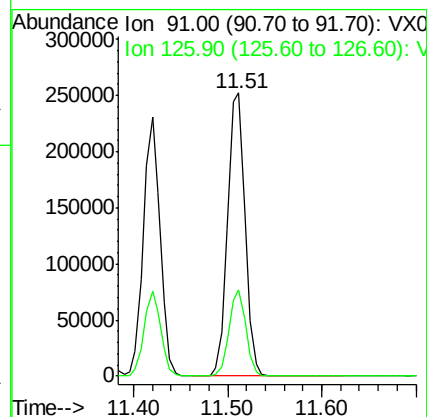
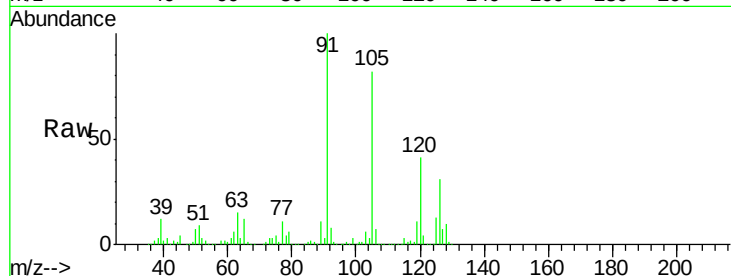
126 29.4 14.5 43.6

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#83

tert-Butylbenzene

Concen: 47.245 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

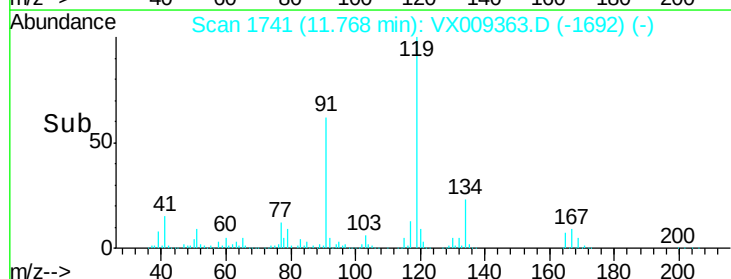
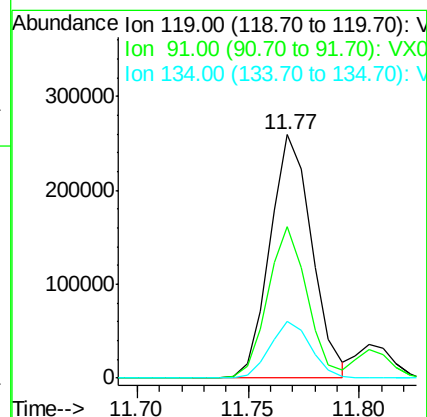
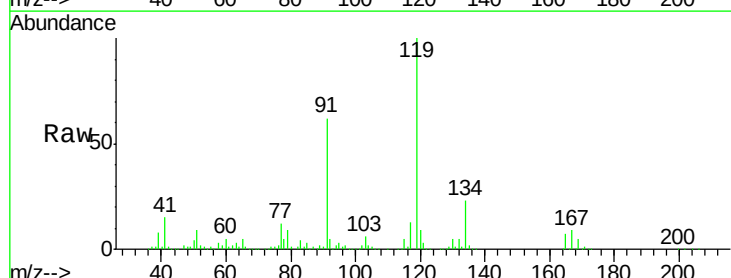
Tgt Ion: 119 Resp: 338747

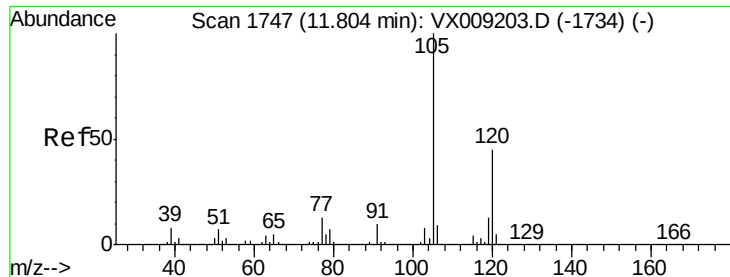
Ion Ratio Lower Upper

119 100

91 58.5 29.5 88.5

134 22.5 11.4 34.1





#84

1,2,4-Trimethylbenzene

Concen: 47.500 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion:105 Resp: 351416

Ion Ratio Lower Upper

105 100

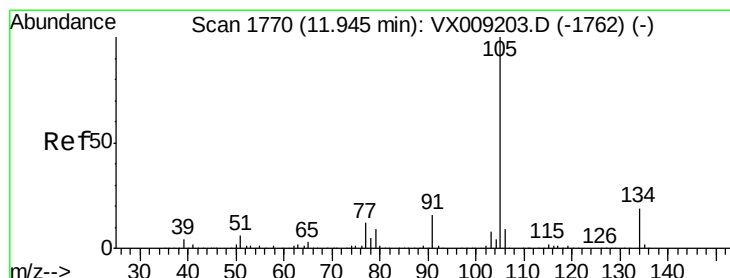
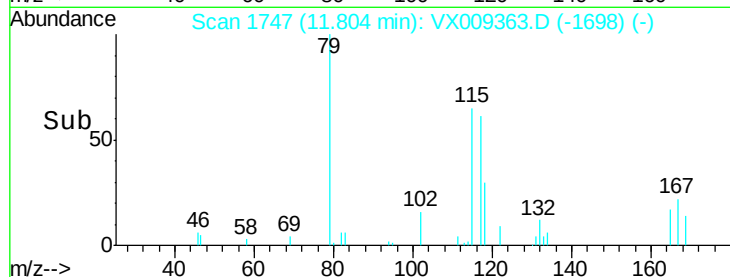
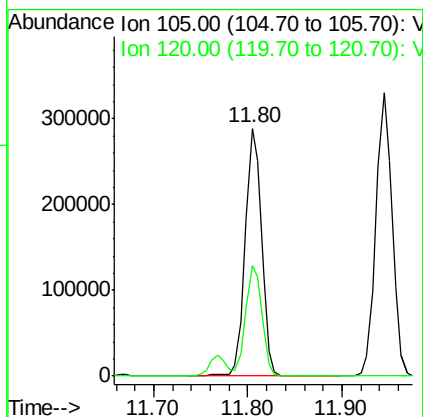
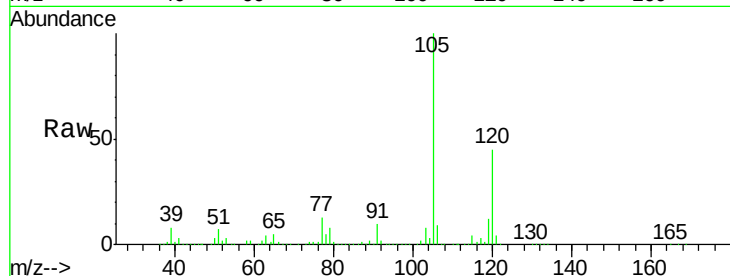
120 44.0 22.0 66.0

Manual Integrations

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#85

sec-Butylbenzene

Concen: 46.761 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009363.D

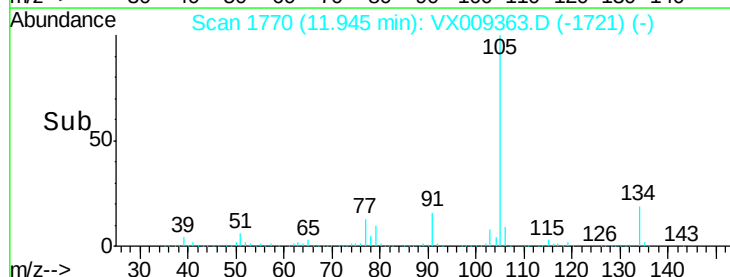
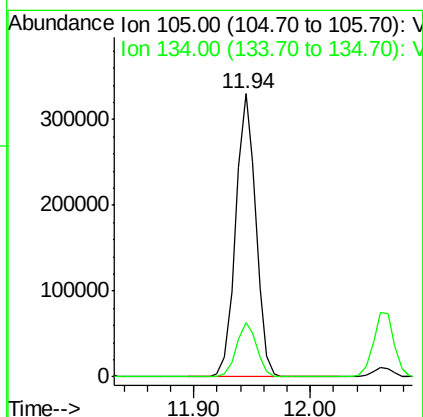
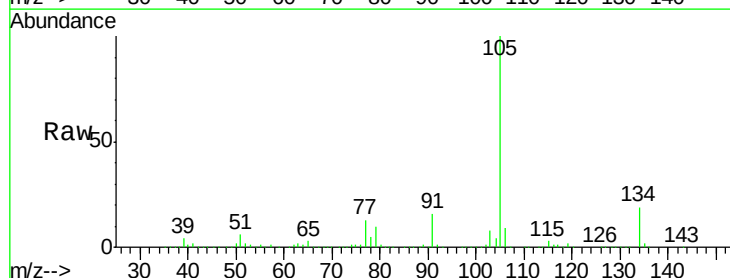
Acq: 06 May 2019 20:10

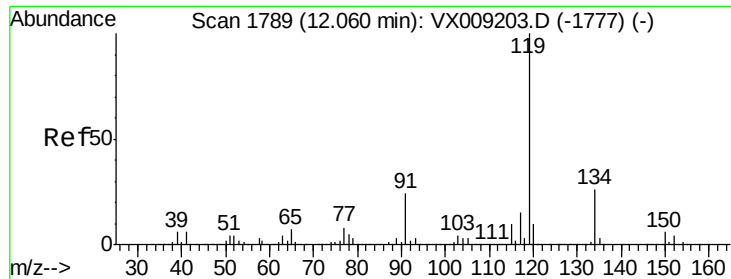
Tgt Ion:105 Resp: 397499

Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9





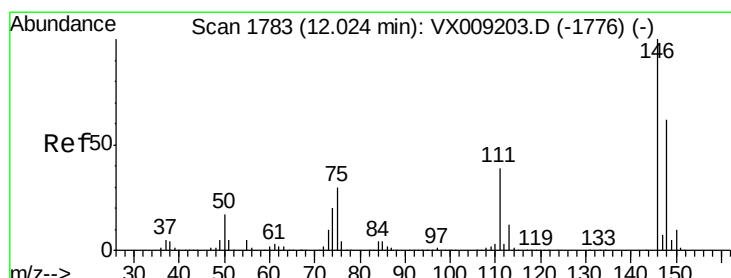
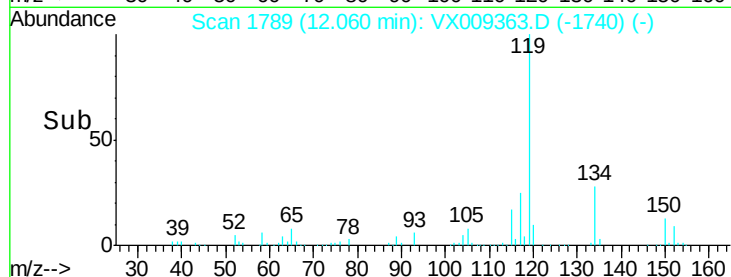
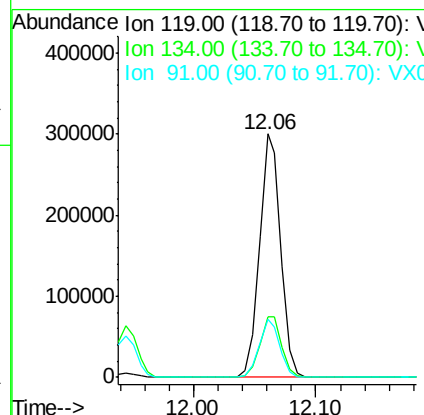
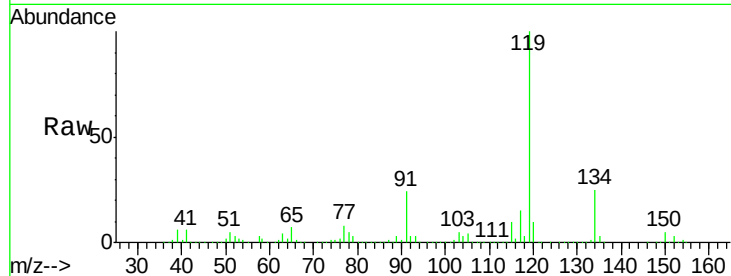
#86
 p-Isopropyltoluene
 Concen: 47.500 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	362998		
134	25.8	12.9	38.7	
91	23.5	11.8	35.4	

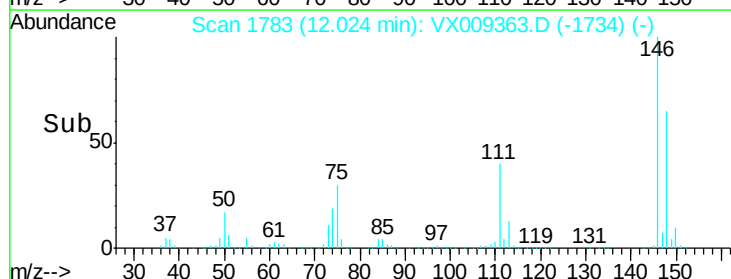
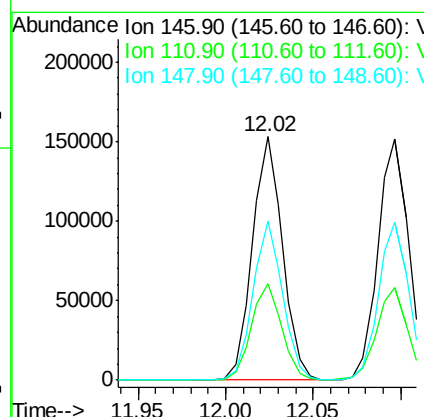
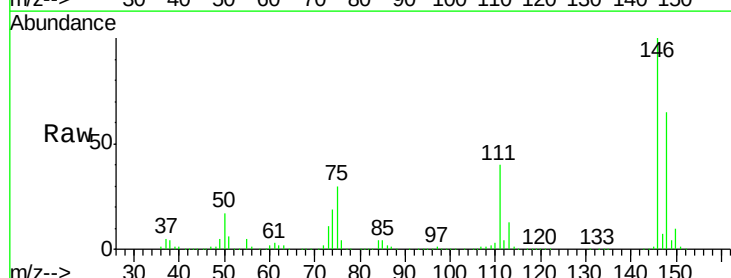
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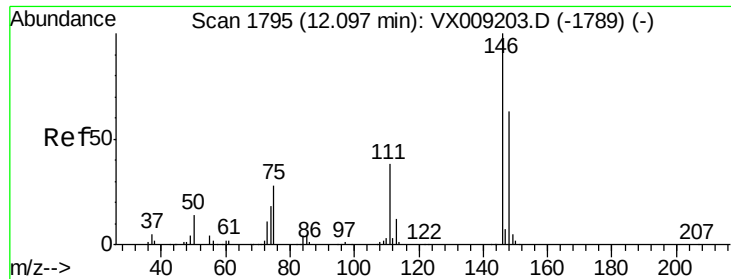
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#87
 1,3-Dichlorobenzene
 Concen: 47.291 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183169		
111	39.8	20.0	59.9	
148	63.8	31.8	95.3	





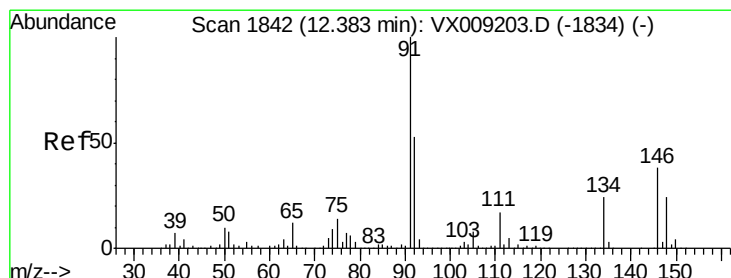
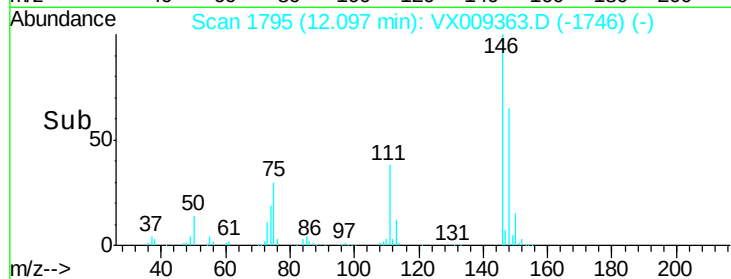
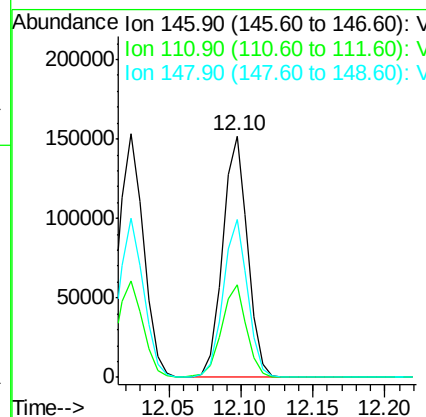
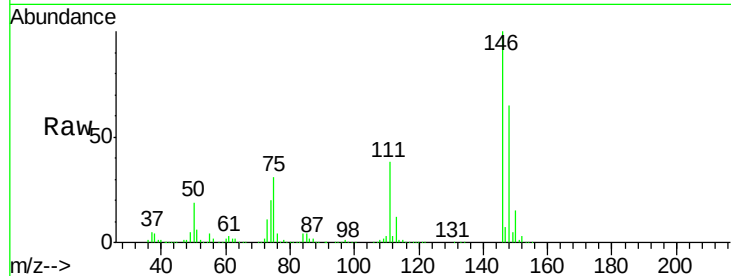
#88
 1,4-Dichlorobenzene
 Concen: 47.066 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.8
148	64.5	31.8	95.3

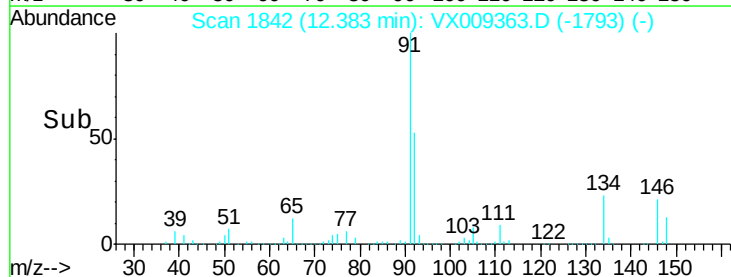
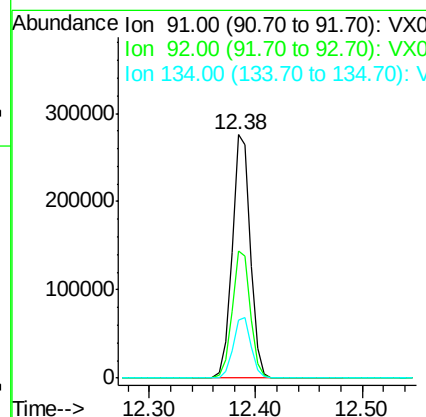
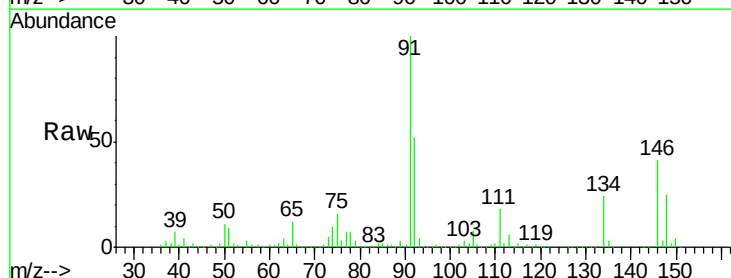
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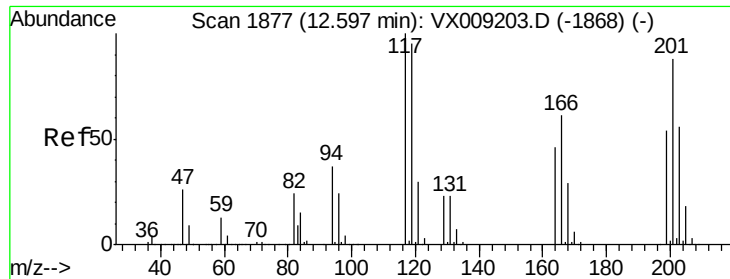
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#89
 n-Butylbenzene
 Concen: 47.601 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.5	79.5
134	24.7	12.4	37.2





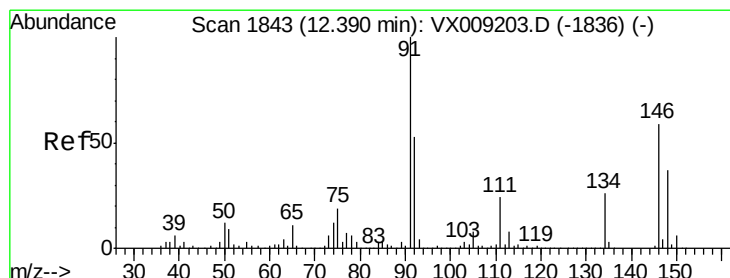
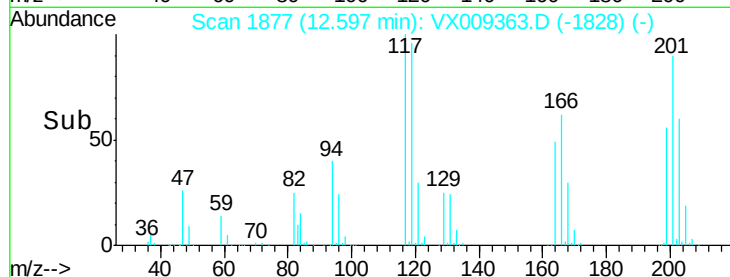
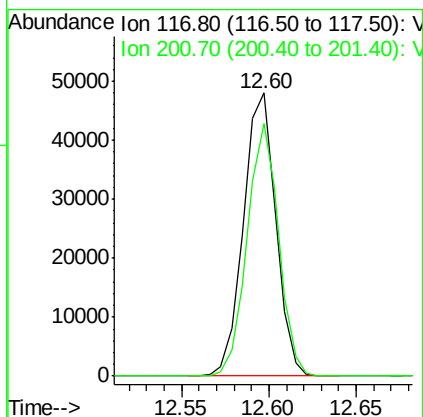
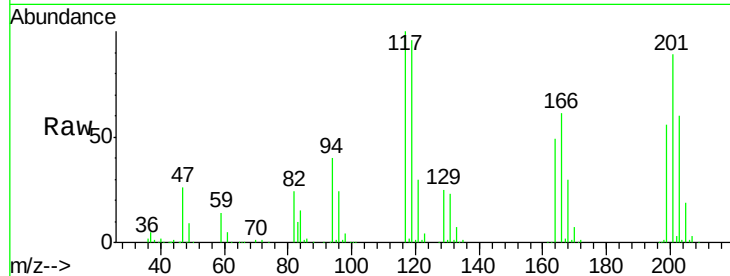
#90
Hexachloroethane
Concen: 47.479 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion:117 Resp: 61815
Ion Ratio Lower Upper
117 100
201 86.4 42.3 126.9

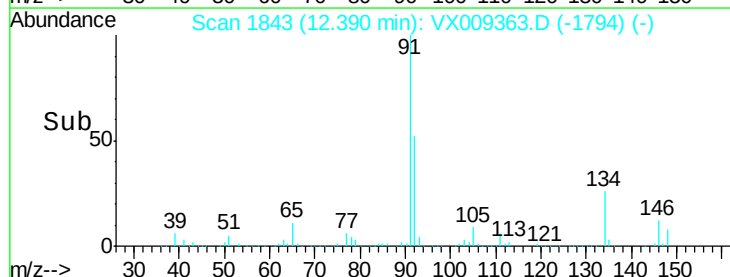
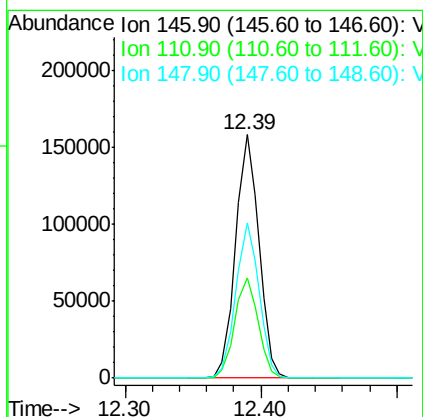
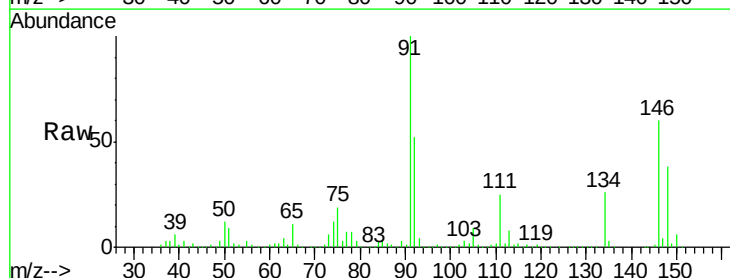
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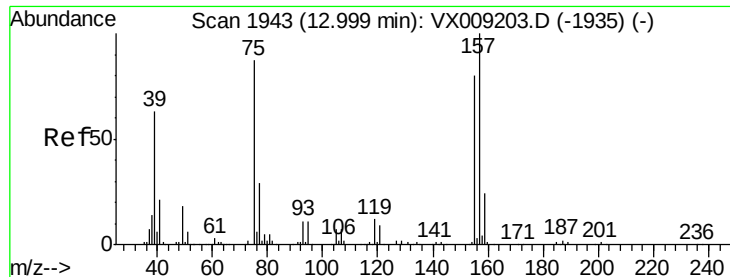
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#91
1,2-Dichlorobenzene
Concen: 47.989 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion:146 Resp: 189318
Ion Ratio Lower Upper
146 100
111 41.3 20.8 62.4
148 63.7 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.132 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion: 75 Resp: 37430

Ion Ratio Lower Upper

75 100

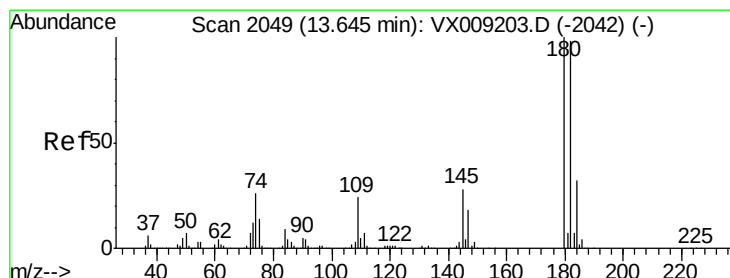
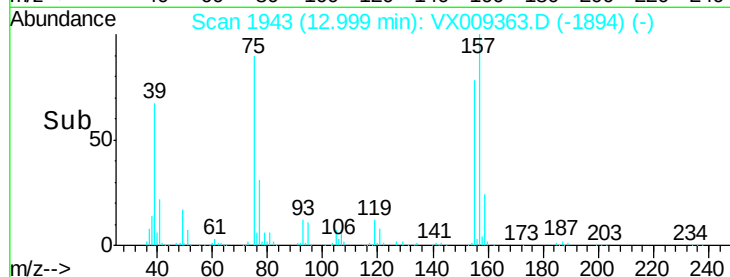
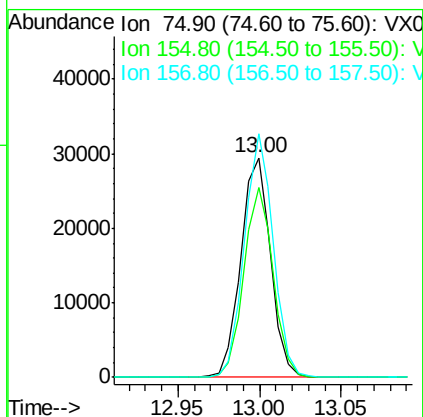
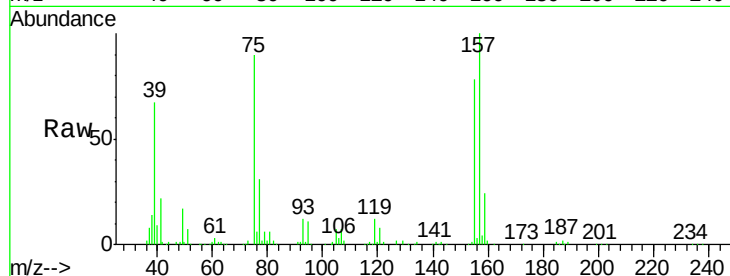
155 84.9 42.0 126.0

157 107.3 53.2 159.6

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#93

1,2,4-Trichlorobenzene

Concen: 49.016 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

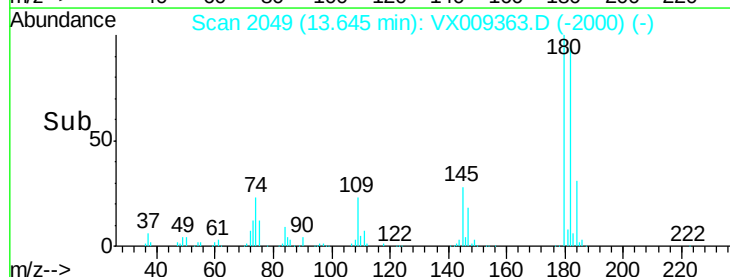
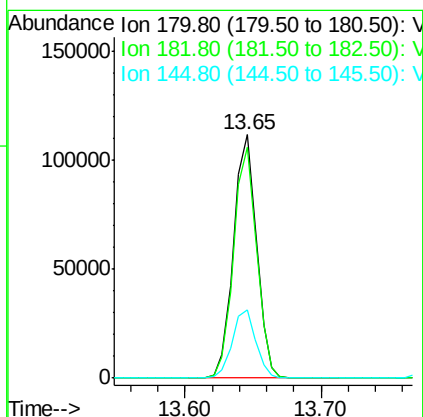
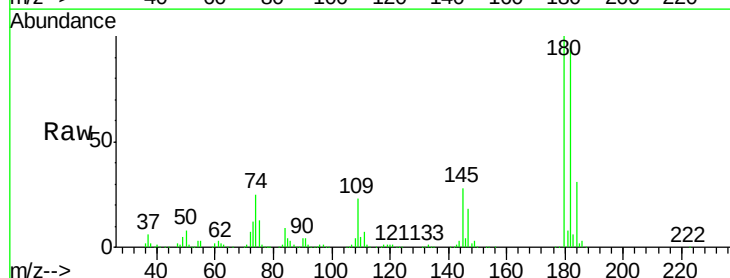
Tgt Ion:180 Resp: 132233

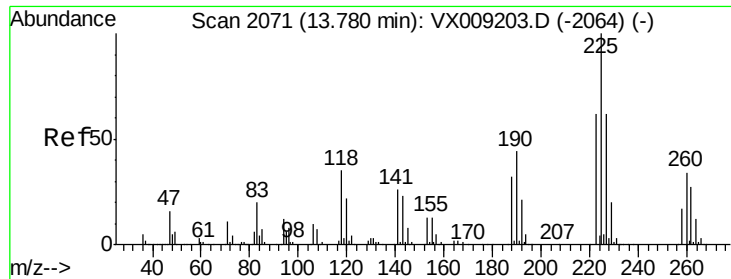
Ion Ratio Lower Upper

180 100

182 95.0 48.4 145.2

145 28.5 14.6 43.8





#94

Hexachlorobutadiene

Concen: 47.882 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

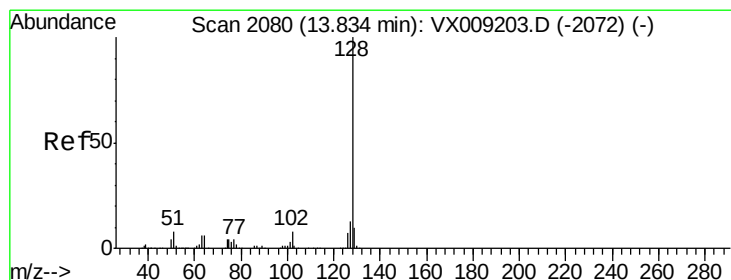
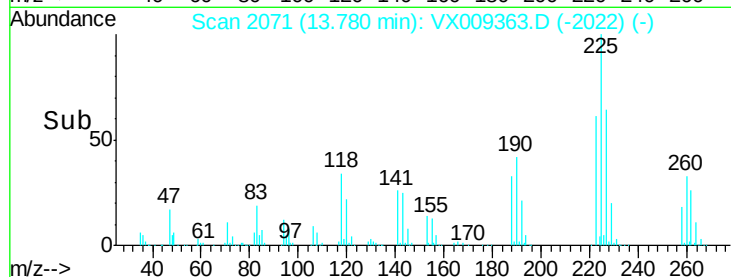
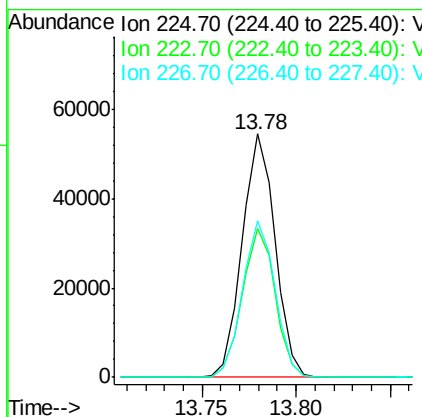
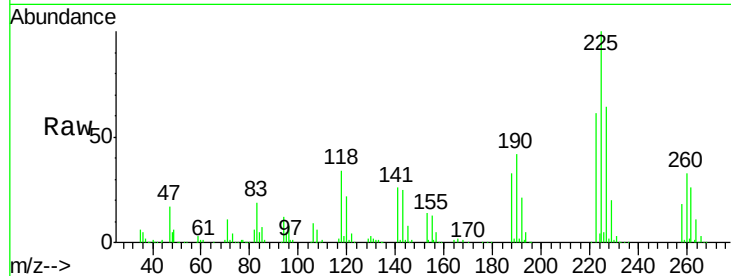
ClientSampleId :

MW-4-20190502MS

Tot Ion:	225	Resp:	65964
Ion Ratio	Lower	Upper	
225	100		
223	61.0	31.3	93.8
227	63.7	31.8	95.3

Manual Integrations
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#95

Naphthalene

Concen: 50.768 ug/l

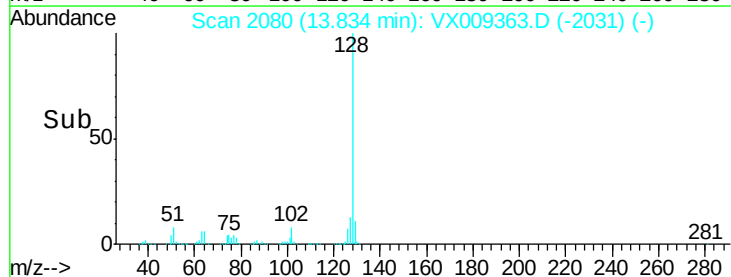
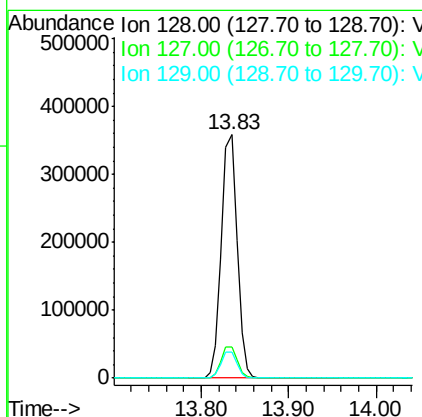
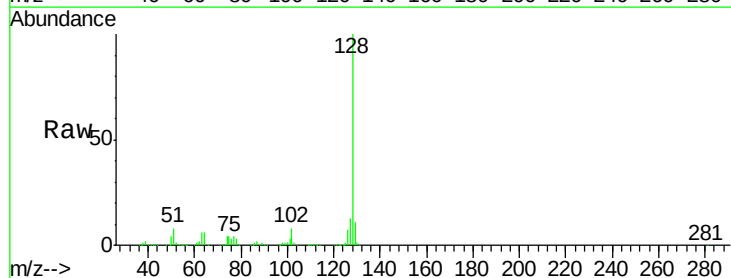
RT: 13.83 min Scan# 2080

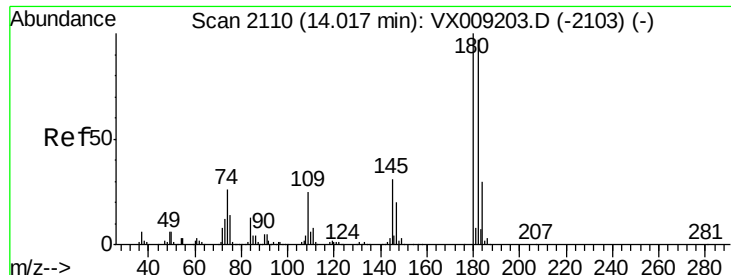
Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Tgt Ion:	128	Resp:	445583
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	13.0





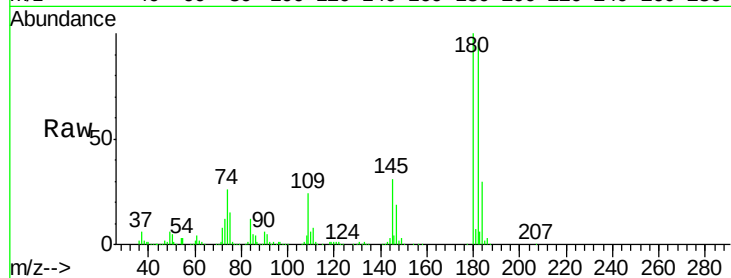
#96
 1,2,3-Trichlorobenzene
 Concen: 49.532 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.4	47.8	143.4
145	30.6	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 9:42:09 AM



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

