

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010264.D
 Acq On : 12 Jun 2019 20:28
 Operator : JC/SP
 Sample : K3309-09MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MSD

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:17:56 AM

Quant Time: Jun 13 03:45:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	288325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	447328	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	412785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210213	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	142371	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
35) Dibromofluoromethane	5.50	113	143246	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
50) Toluene-d8	8.71	98	535384	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.13	95	197776	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	132780	50.049	ug/l	100
3) Chloromethane	1.32	50	131173	49.786	ug/l	99
4) Vinyl Chloride	1.41	62	148395	59.927	ug/l	100
5) Bromomethane	1.64	94	55268	59.145	ug/l	99
6) Chloroethane	1.71	64	81131	64.983	ug/l	98
7) Trichlorofluoromethane	1.93	101	210660	57.270	ug/l	99
8) Diethyl Ether	2.19	74	76723	60.517	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.38	101	117778	46.451	ug/l	91
10) Methyl Iodide	2.51	142	182152	46.367	ug/l	98
11) Tert butyl alcohol	3.05	59	167174	242.476	ug/l	99
12) 1,1-Dichloroethene	2.37	96	121792	47.028	ug/l #	77
13) Acrolein	2.29	56	34987	278.307	ug/l	100
14) Allyl chloride	2.73	41	179245	45.852	ug/l #	89
15) Acrylonitrile	3.14	53	361432	256.478	ug/l	98
16) Acetone	2.45	43	276520	208.896	ug/l #	85
17) Carbon Disulfide	2.57	76	324779	43.402	ug/l	98
18) Methyl Acetate	2.78	43	146825	50.436	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	406947	48.911	ug/l	94
20) Methylene Chloride	2.85	84	140010	48.162	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	133467	46.569	ug/l #	79
22) Diisopropyl ether	3.85	45	378738	50.673	ug/l #	92
23) Vinyl Acetate	3.82	43	1683513	252.485	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	218681	48.189	ug/l	94
25) 2-Butanone	4.67	43	484542	245.819	ug/l #	82
26) 2,2-Dichloropropane	4.59	77	158323	38.243	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	159272	49.954	ug/l	77
28) Bromochloromethane	5.02	49	99910	49.125	ug/l #	51
29) Tetrahydrofuran	5.13	42	316884	255.805	ug/l #	75
30) Chloroform	5.21	83	232003	49.227	ug/l	98
31) Cyclohexane	5.58	56	192399	46.977	ug/l #	77
32) 1,1,1-Trichloroethane	5.49	97	205946	46.483	ug/l	94
36) 1,1-Dichloropropene	5.80	75	165326	45.301	ug/l	92
37) Ethyl Acetate	4.83	43	182122	47.962	ug/l #	92
38) Carbon Tetrachloride	5.78	117	186893	45.244	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	214782	43.220	ug/l #	84
40) Benzene	6.14	78	542872	48.106	ug/l	99
41) Methacrylonitrile	5.04	41	100072	48.719	ug/l #	83
42) 1,2-Dichloroethane	6.19	62	168532	46.779	ug/l	94
43) Isopropyl Acetate	6.45	43	303193	47.755	ug/l #	89
44) Trichloroethene	7.21	130	158851	46.699	ug/l	85
45) 1,2-Dichloropropane	7.51	63	137522	48.688	ug/l	98
46) Dibromomethane	7.66	93	100851	47.659	ug/l	91
47) Bromodichloromethane	7.90	83	187215	47.347	ug/l	99
48) Methyl methacrylate	7.77	41	145748	49.087	ug/l #	77
49) 1,4-Dioxane	7.74	88	72945	861.669	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	989600	260.913	ug/l	90
52) Toluene	8.79	92	353257	47.621	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	206190	45.082	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	222682	45.416	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	151243	49.783	ug/l	97
56) Ethyl methacrylate	9.18	69	235616	49.096	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	233385	48.795	ug/l	98
59) 2-Hexanone	9.49	43	763188	252.371	ug/l	88
60) Dibromochloromethane	9.58	129	174904	48.672	ug/l	100
61) 1,2-Dibromoethane	9.67	107	164833	48.715	ug/l	100
64) Tetrachloroethene	9.34	164	136958	44.672	ug/l	96
65) Chlorobenzene	10.14	112	623750	73.214	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	157662	48.122	ug/l	99
67) Ethyl Benzene	10.25	91	688813	47.494	ug/l	95
68) m/p-Xylenes	10.36	106	535295	95.378	ug/l	88
69) o-Xylene	10.69	106	264239	47.364	ug/l	88
70) Styrene	10.71	104	456121	48.273	ug/l	95
71) Bromoform	10.85	173	142591	47.342	ug/l	98
73) Isopropylbenzene	11.02	105	688556	46.923	ug/l	95
74) N-amyl acetate	10.90	43	280400	48.339	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	245207	48.815	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	194233m	46.195	ug/l	
77) Bromobenzene	11.26	156	197384	48.914	ug/l	79
78) n-propylbenzene	11.36	91	769205	47.085	ug/l	94
79) 2-Chlorotoluene	11.42	91	455813	46.456	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	572630	46.331	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	81151	42.642	ug/l	85
82) 4-Chlorotoluene	11.51	91	522757	46.902	ug/l	91
83) tert-Butylbenzene	11.77	119	591364	47.272	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	589791	47.242	ug/l	97
85) sec-Butylbenzene	11.94	105	682905	46.857	ug/l	95
86) p-Isopropyltoluene	12.06	119	627606	47.105	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	342323	48.161	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	364139	50.820	ug/l	98
89) n-Butylbenzene	12.38	91	538171	46.925	ug/l	98
90) Hexachloroethane	12.60	117	120108	45.253	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	340079	49.214	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51245	43.353	ug/l	63
93) 1,2,4-Trichlorobenzene	13.65	180	239808	47.410	ug/l	99

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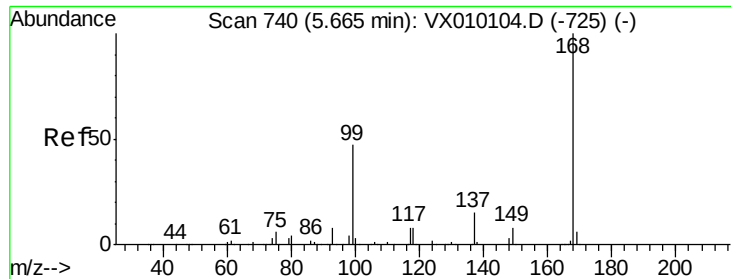
Manual Integrations
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QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	108829	48.378	ug/l	99
95) Naphthalene	13.83	128	772209	48.497	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	238365	47.661	ug/l	98

(#) = 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: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion:168 Resp: 288325

Ion Ratio Lower Upper

168 100

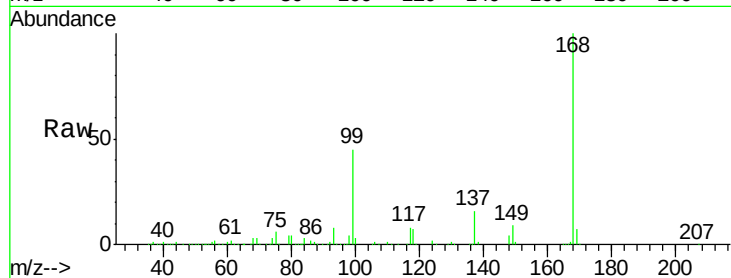
99 44.5 43.0 64.6

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

120000

100000

80000

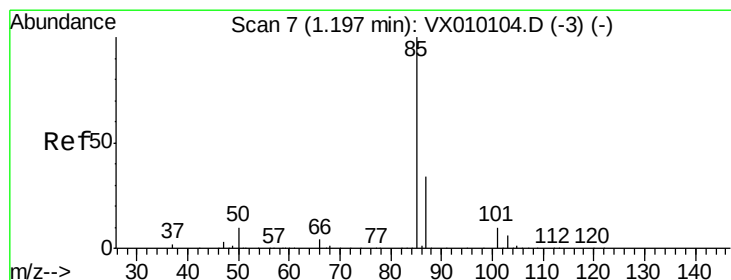
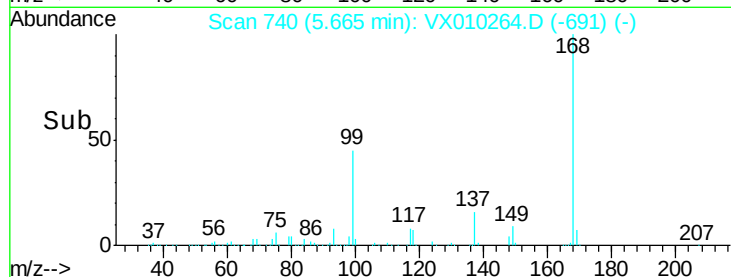
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.049 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010264.D

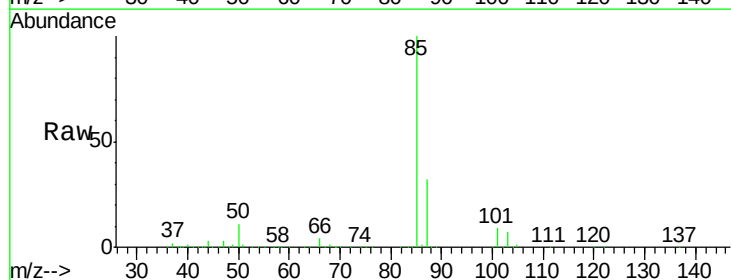
Acq: 12 Jun 2019 20:28

Tgt Ion: 85 Resp: 132780

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

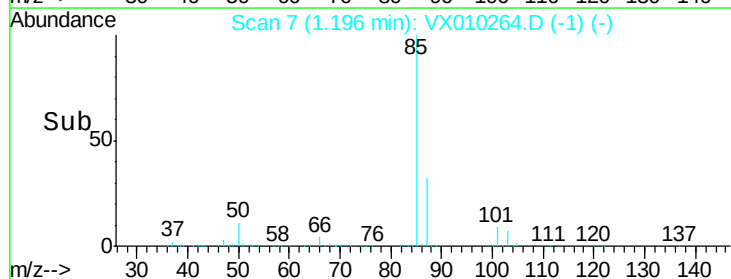
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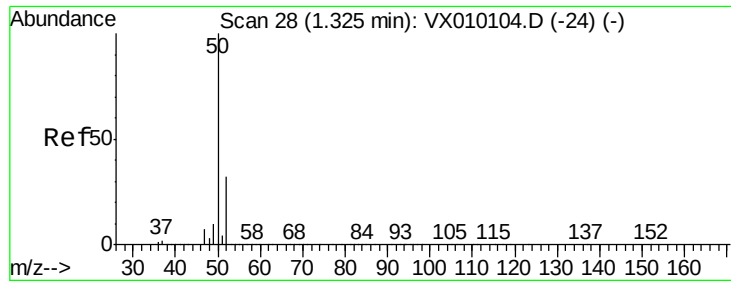
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.786 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 50 Resp: 131173

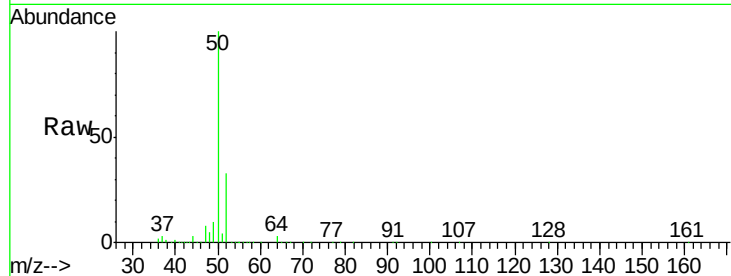
Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0

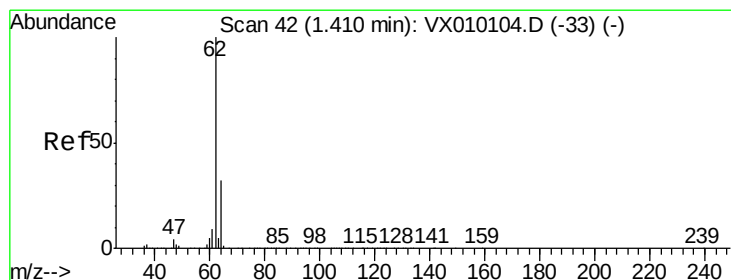
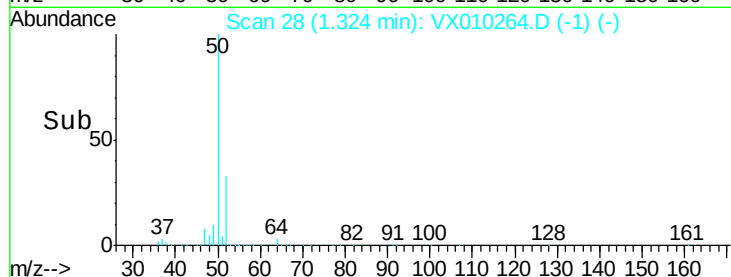
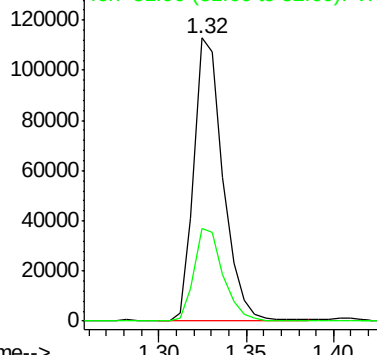
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 59.927 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010264.D

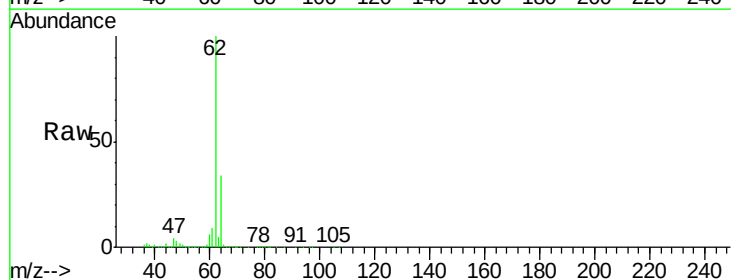
Acq: 12 Jun 2019 20:28

Tgt Ion: 62 Resp: 148395

Ion Ratio Lower Upper

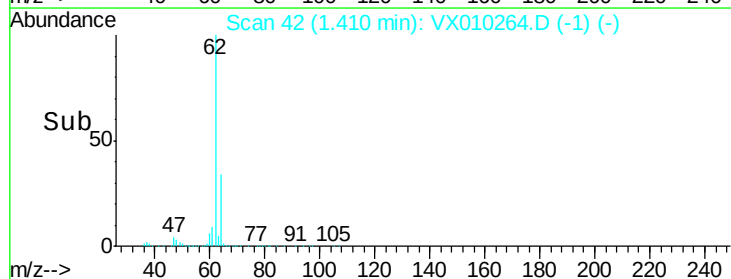
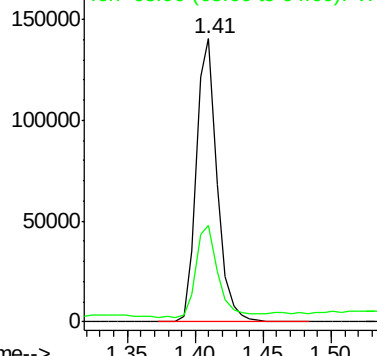
62 100

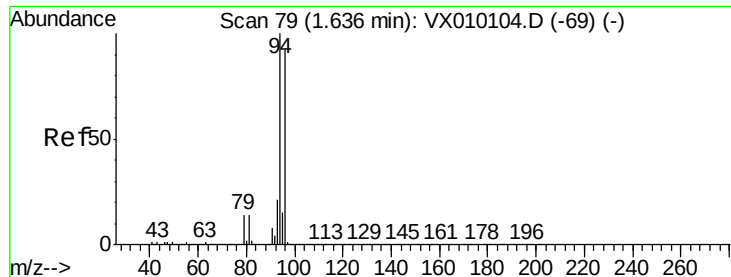
64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 59.145 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

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ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 94 Resp: 55268

Ion Ratio Lower Upper

94 100

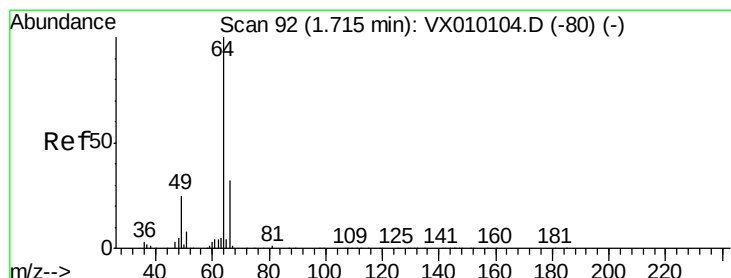
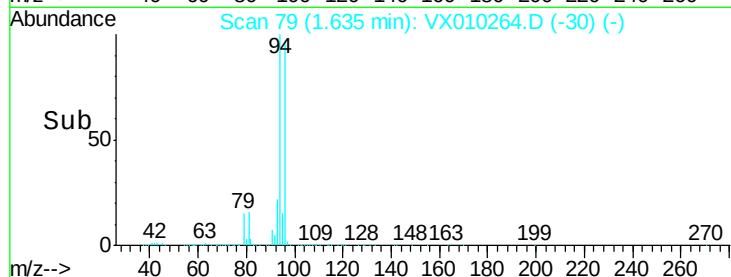
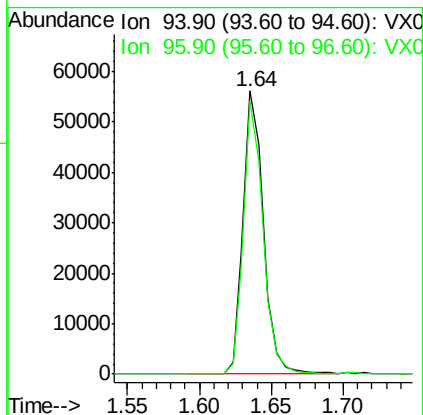
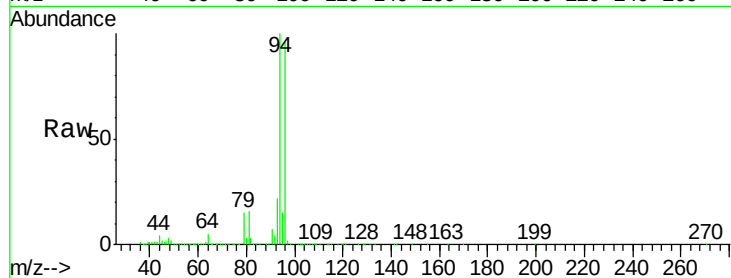
96 96.3 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 64.983 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010264.D

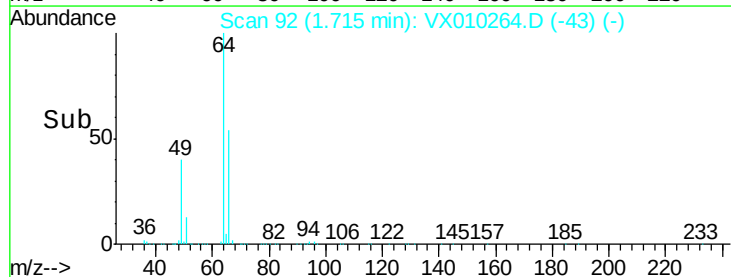
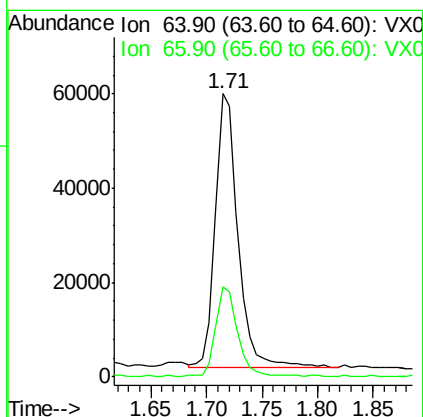
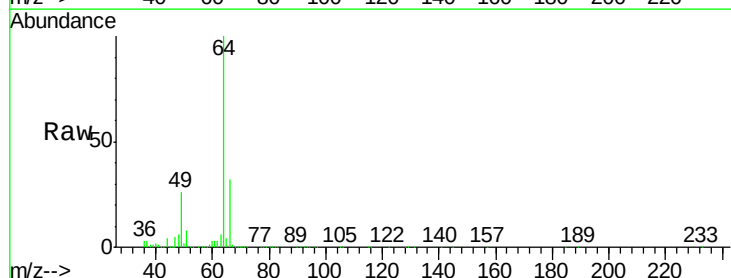
Acq: 12 Jun 2019 20:28

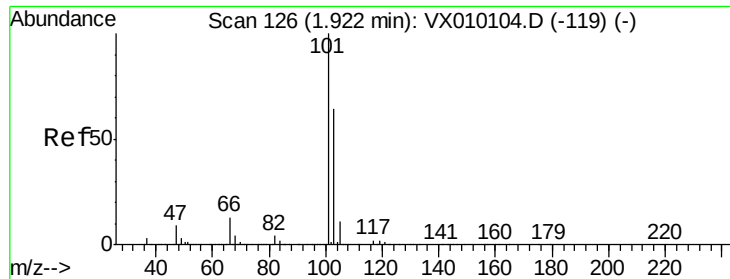
Tgt Ion: 64 Resp: 81131

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7





#7

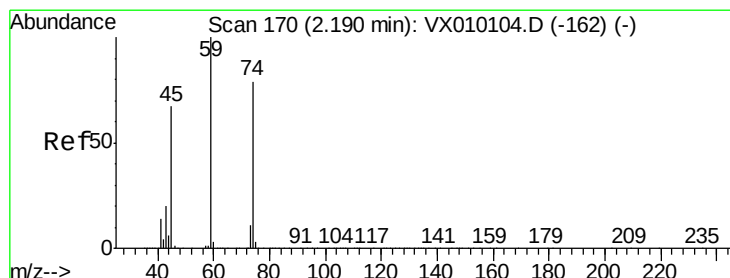
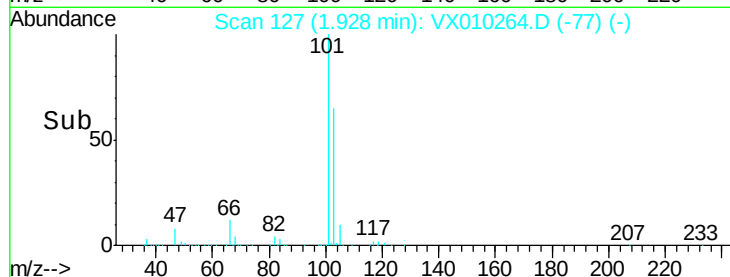
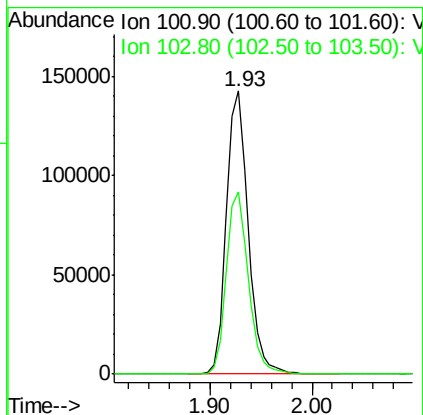
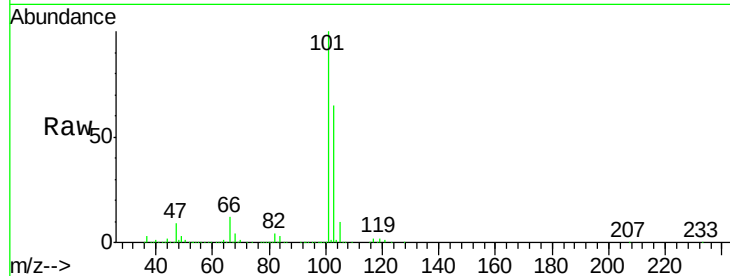
Trichlorofluoromethane
Concen: 57.270 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

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ClientSampleId :
SS043MW010-190611MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.4

Manual Integrations
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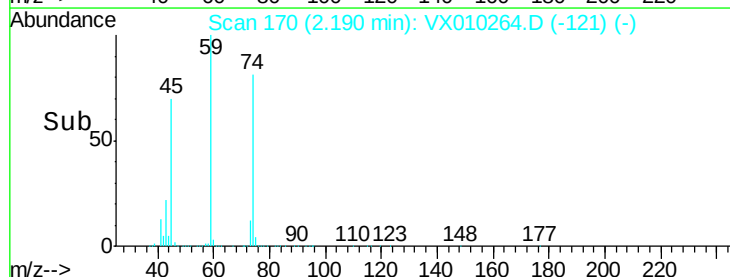
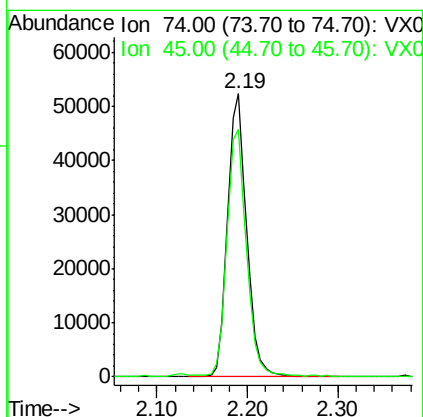
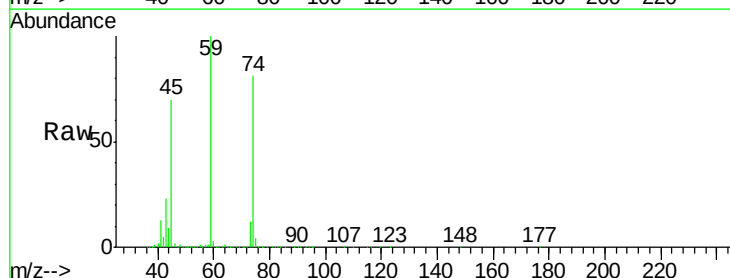
MMDadoda
6/13/2019 9:17:56 AM

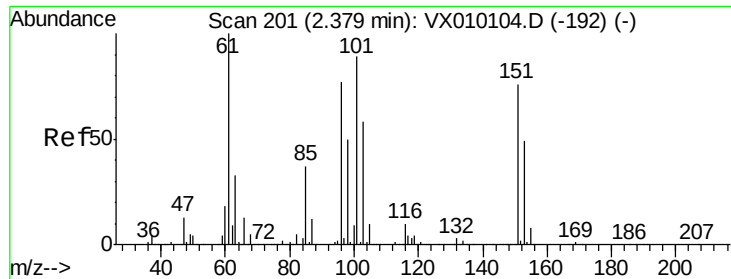


#8

Diethyl Ether
Concen: 60.517 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.7	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.451 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

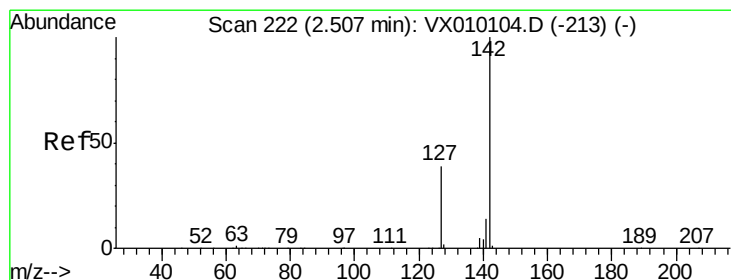
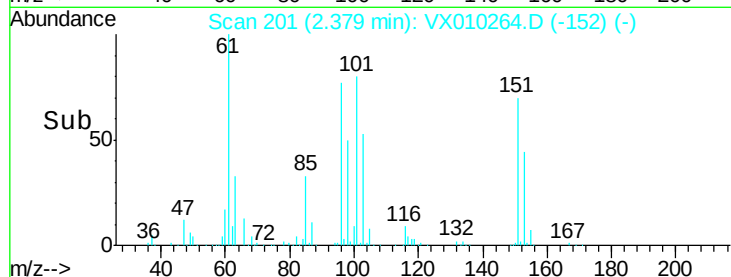
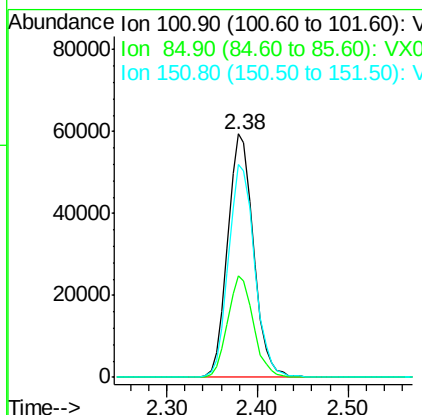
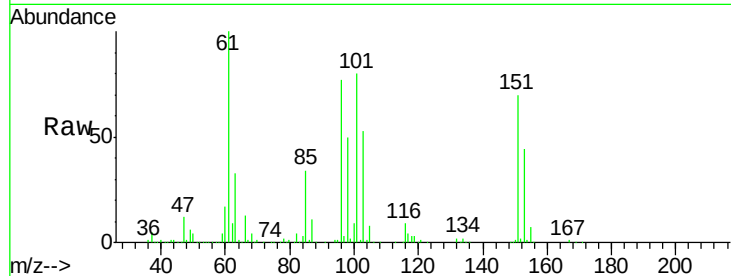
ClientSampleId :

SS043MW010-190611MSD

Tot Ion:	101	Resp:	117778
Ion Ratio	Lower	Upper	
101	100		
85	41.5	35.2	52.8
151	88.1	61.9	92.9

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#10

Methyl Iodide

Concen: 46.367 ug/l

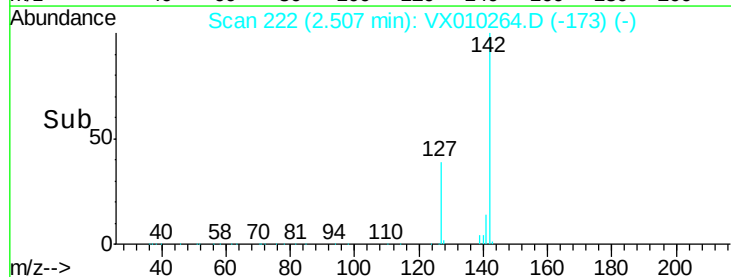
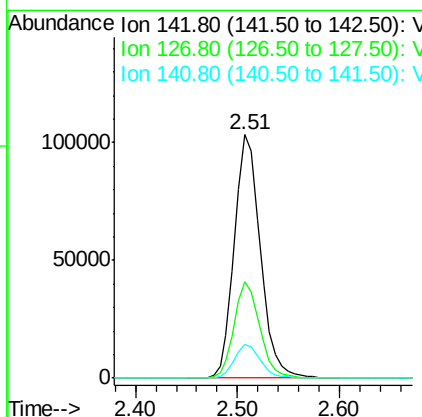
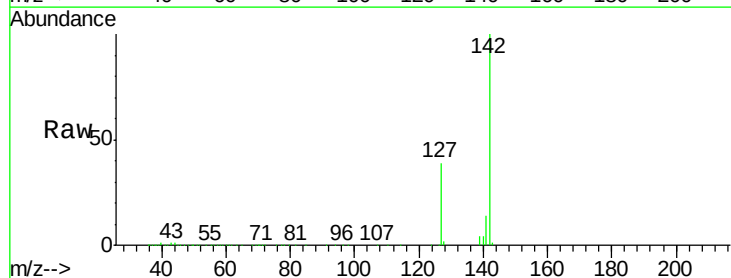
RT: 2.51 min Scan# 222

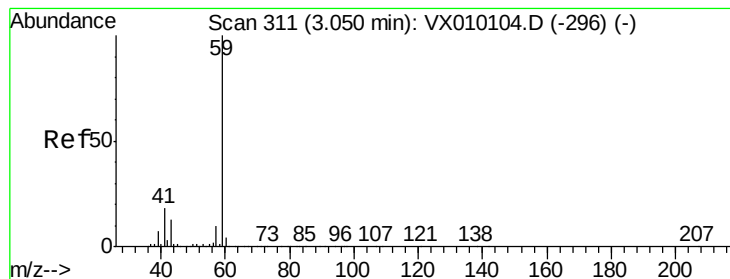
Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Tgt Ion:	142	Resp:	182152
Ion Ratio	Lower	Upper	
142	100		
127	39.3	33.0	49.4
141	14.0	11.4	17.0





#11

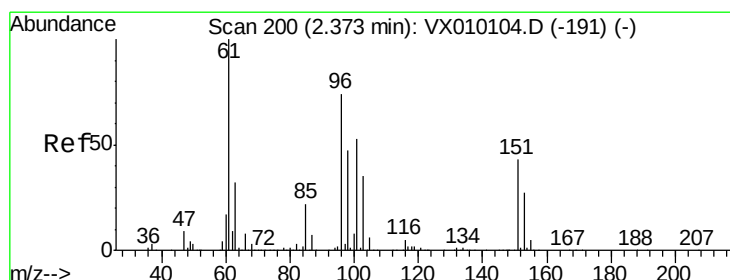
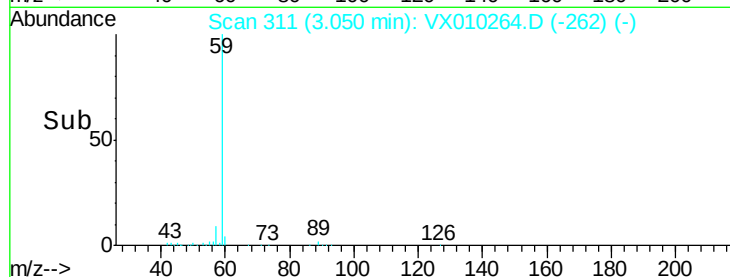
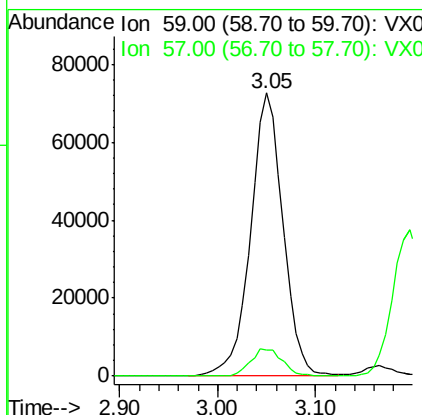
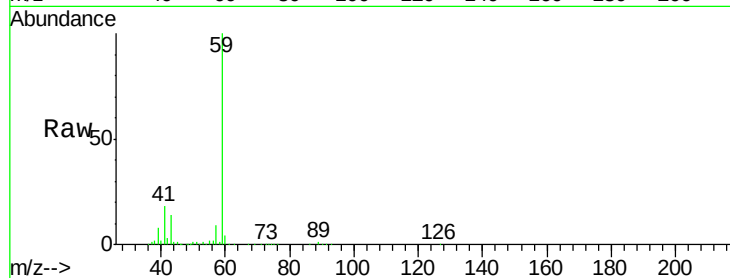
Tert butyl alcohol
Concen: 242.476 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion	59	57	Ratio	100	9.8	Resp:	167174	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	9.8	Resp:	167174	Lower	8.2	Upper	12.2

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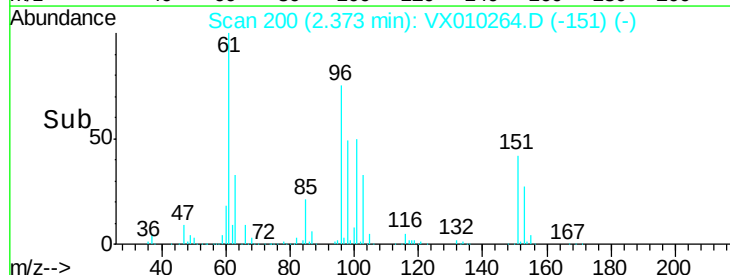
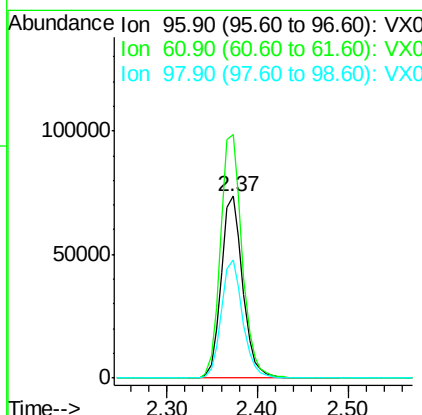
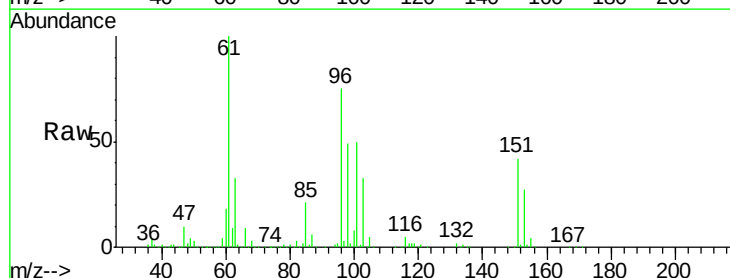
MMDadoda
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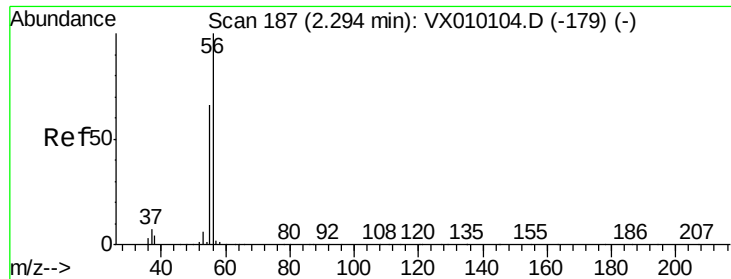


#12

1,1-Dichloroethene
Concen: 47.028 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	96	61	98	Ratio	100	133.9	65.2	Resp:	121792	Lower	140.7	50.1	Upper	211.1#	75.1
Ion	96	61	98	Ratio	100	133.9	65.2	Resp:	121792	Lower	140.7	50.1	Upper	211.1#	75.1





#13

Acrolein

Concen: 278.307 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 56 Resp: 34987

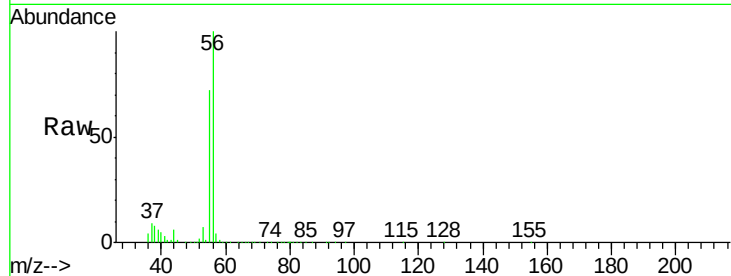
Ion Ratio Lower Upper

56 100

55 71.6 57.0 85.4

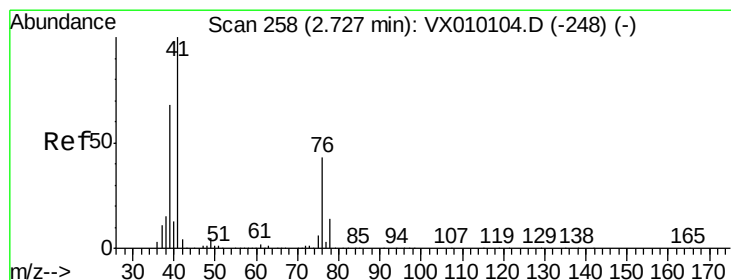
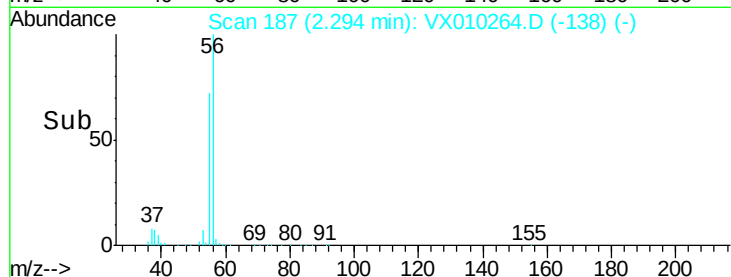
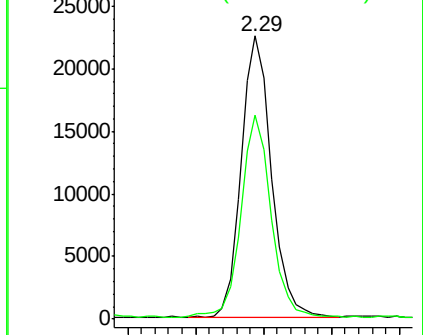
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.852 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

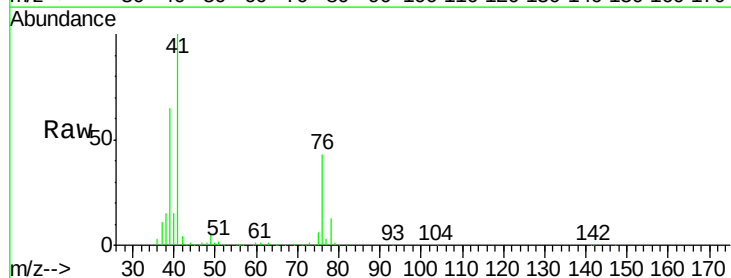
Tgt Ion: 41 Resp: 179245

Ion Ratio Lower Upper

41 100

39 61.5 46.7 70.1

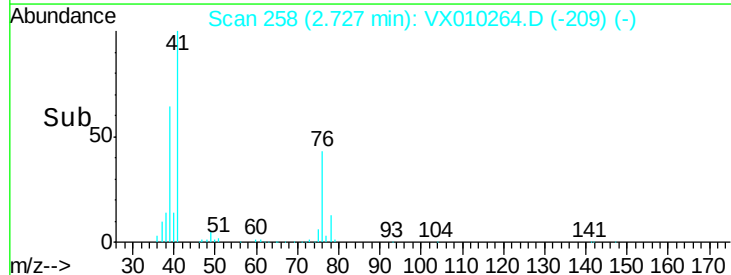
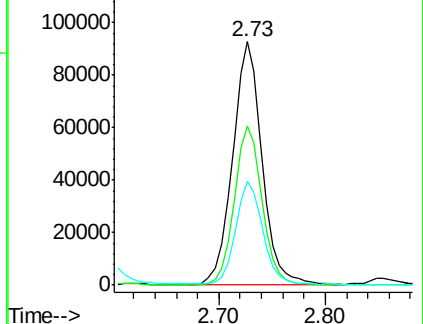
76 39.5 21.0 31.4#

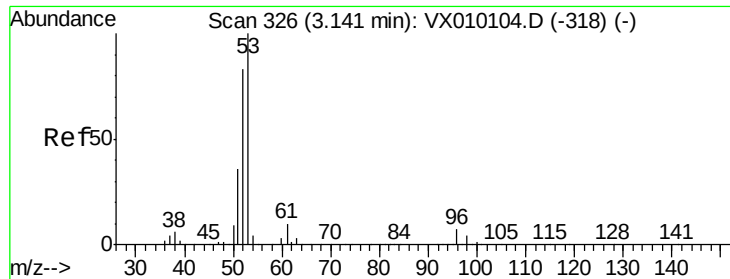


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 256.478 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

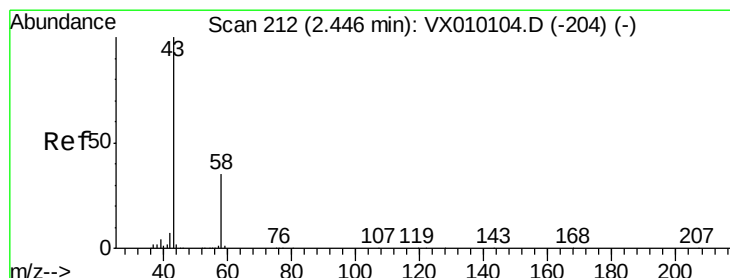
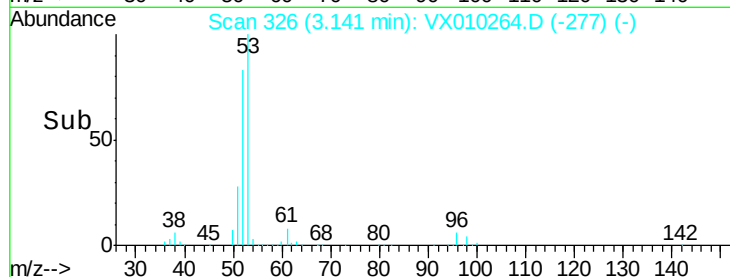
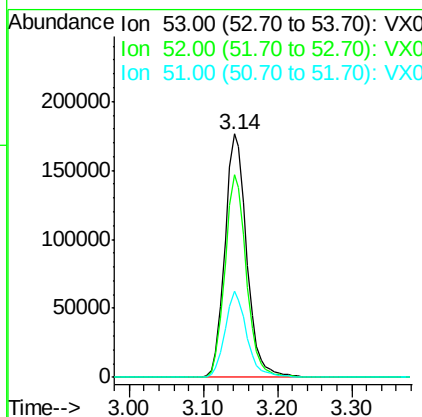
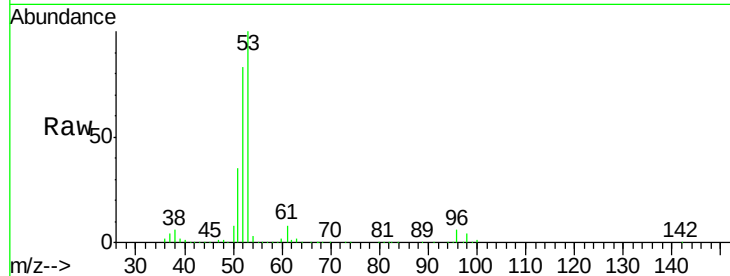
ClientSampleId :

SS043MW010-190611MSD

Tot Ion:	53	Resp:	361432
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.7	100.1
51	34.9	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 208.896 ug/l

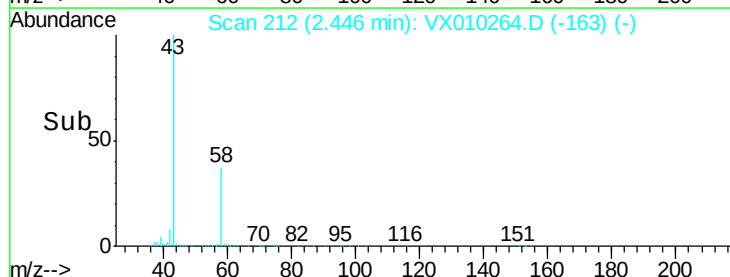
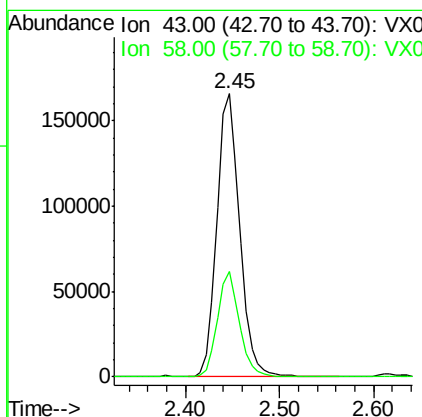
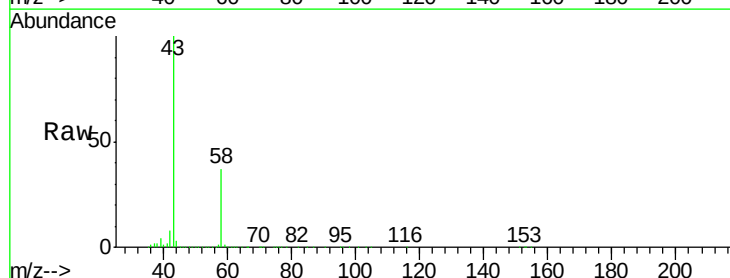
RT: 2.45 min Scan# 212

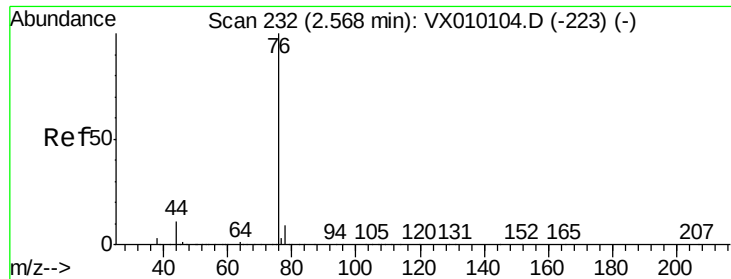
Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Tgt Ion:	43	Resp:	276520
Ion	Ratio	Lower	Upper
43	100		
58	37.2	23.2	34.8#





#17

Carbon Disulfide

Concen: 43.402 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 76 Resp: 324779

Ion Ratio Lower Upper

76 100

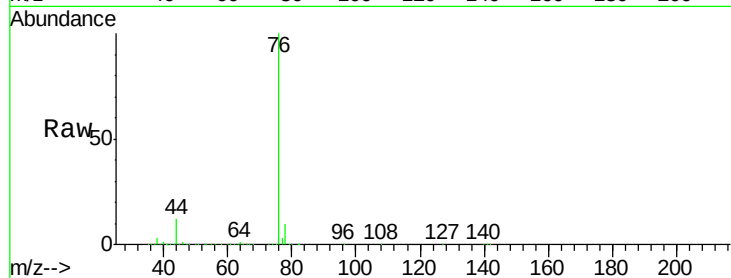
78 9.7 7.0 10.6

Manual Integrations

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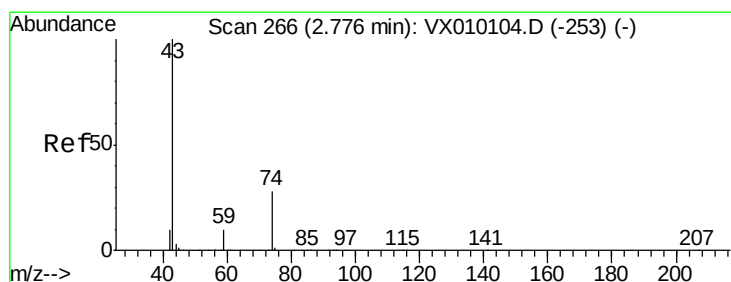
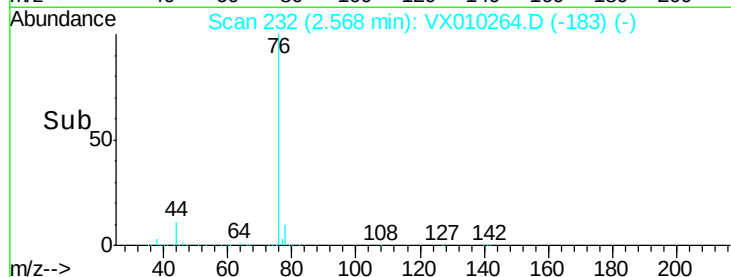
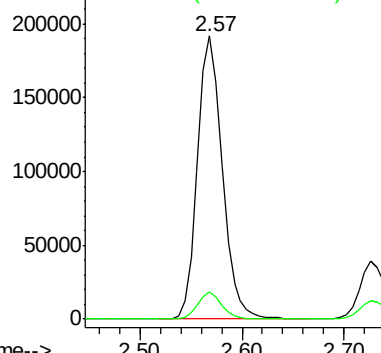
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 50.436 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010264.D

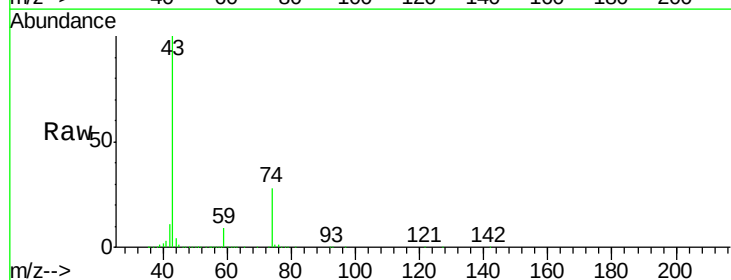
Acq: 12 Jun 2019 20:28

Tgt Ion: 43 Resp: 146825

Ion Ratio Lower Upper

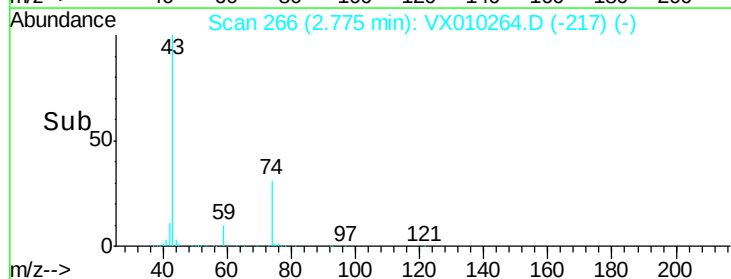
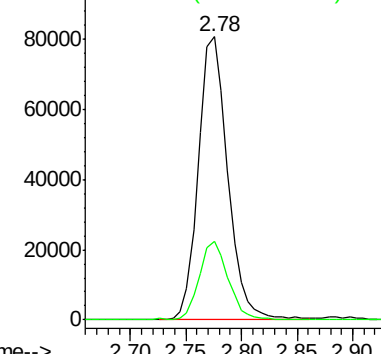
43 100

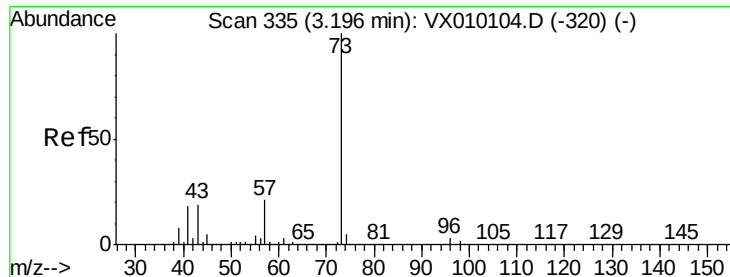
74 28.1 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





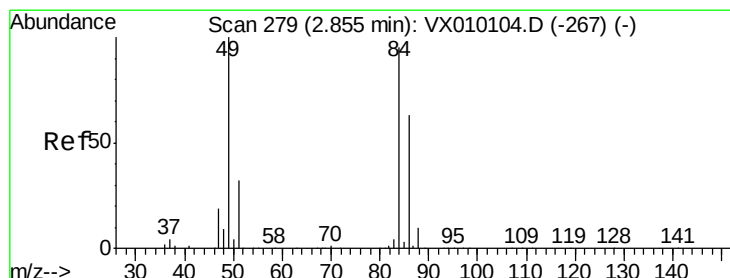
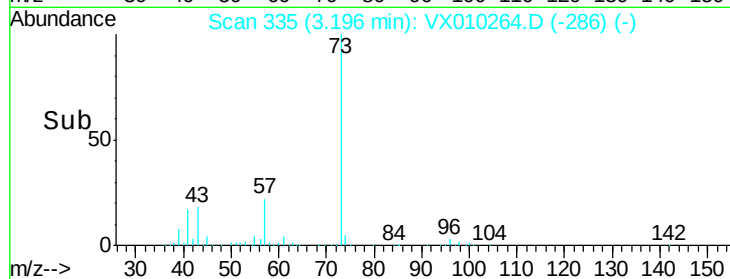
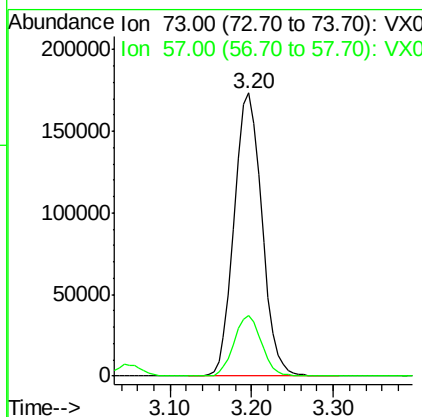
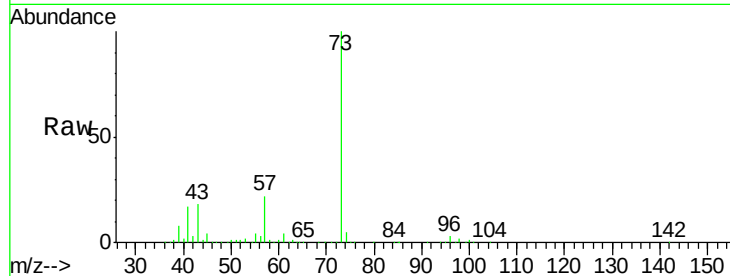
#19
Methyl tert-butyl Ether
Concen: 48.911 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	19.4	29.2

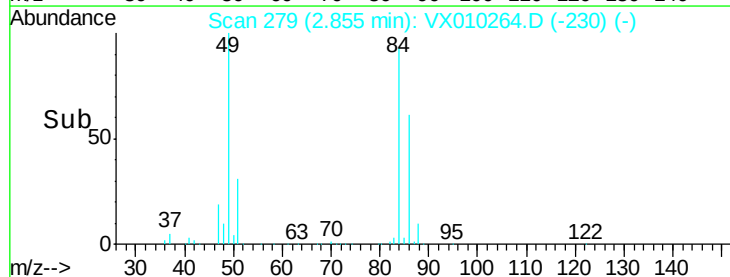
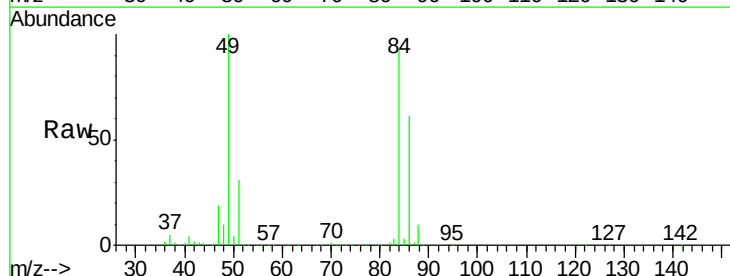
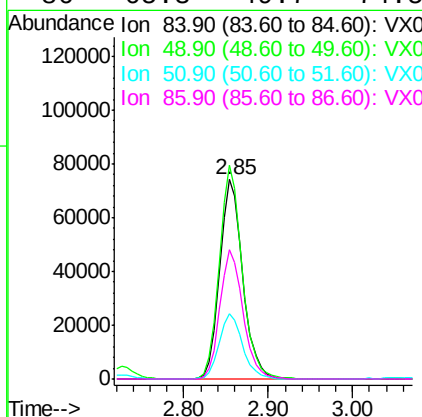
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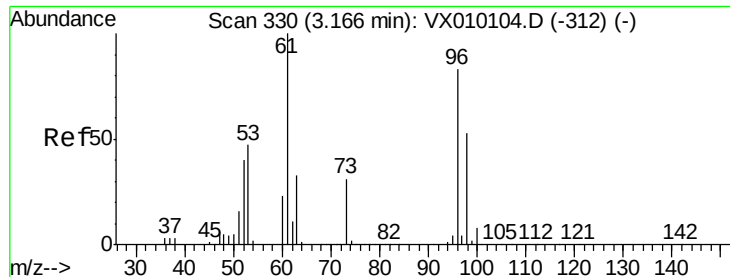
MMDadoda
6/13/2019 9:17:56 AM



#20
Methylene Chloride
Concen: 48.162 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.1	115.8	173.6#
51	32.8	34.4	51.6#
86	65.3	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 46.569 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

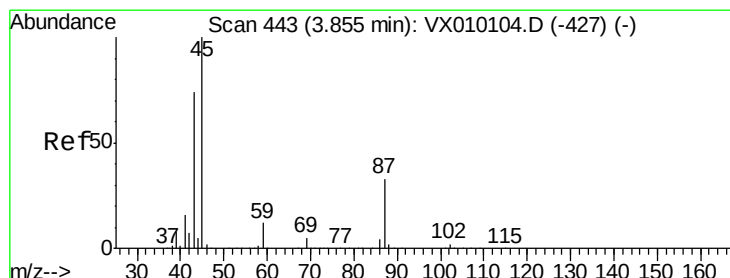
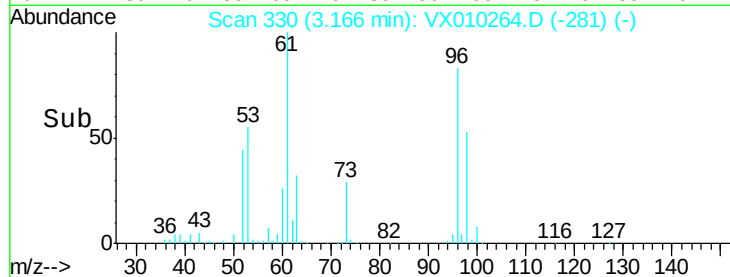
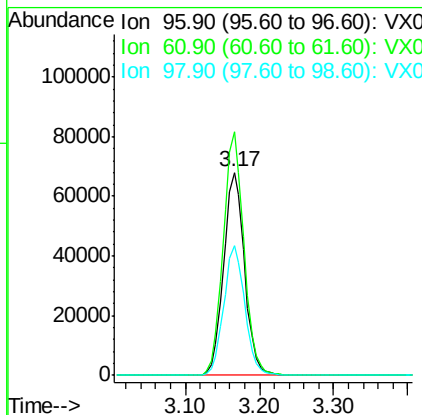
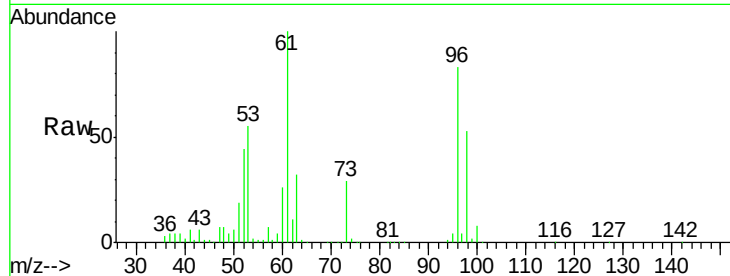
SS043MW010-190611MSD

Tot Ion: 96 Resp: 133467

Ion	Ratio	Lower	Upper
96	100		
61	120.0	125.7	188.5#
98	64.0	49.0	73.6

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#22

Diisopropyl ether

Concen: 50.673 ug/l

RT: 3.85 min Scan# 443

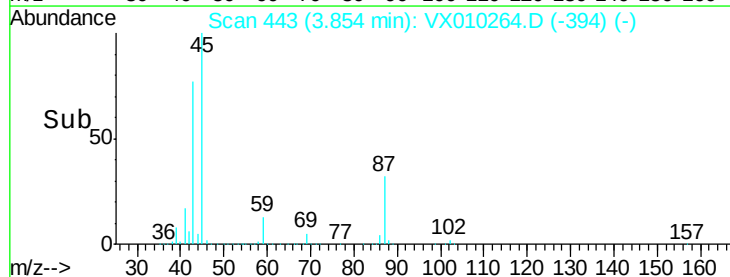
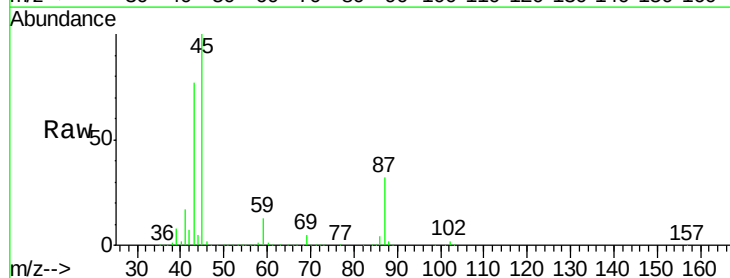
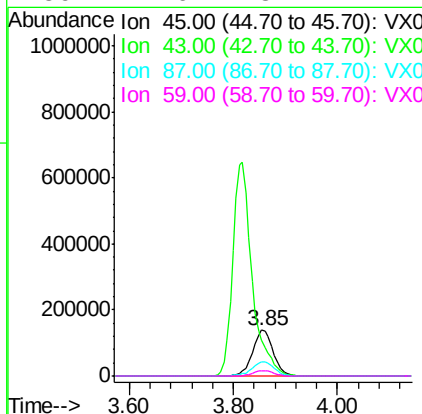
Delta R.T. -0.00 min

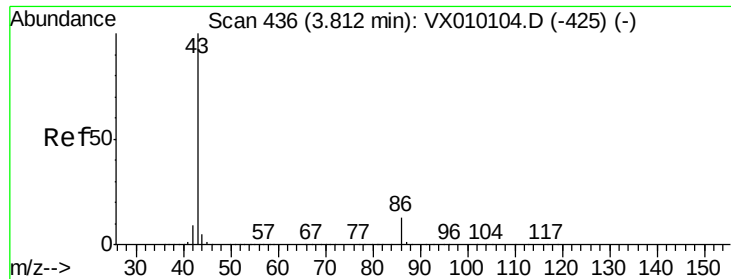
Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Tgt Ion: 45 Resp: 378738

Ion	Ratio	Lower	Upper
45	100		
43	77.4	65.0	97.4
87	31.8	17.3	25.9#
59	12.6	8.1	12.1#





#23

Vinyl Acetate

Concen: 252.485 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 43 Resp: 1683513

Ion Ratio Lower Upper

43 100

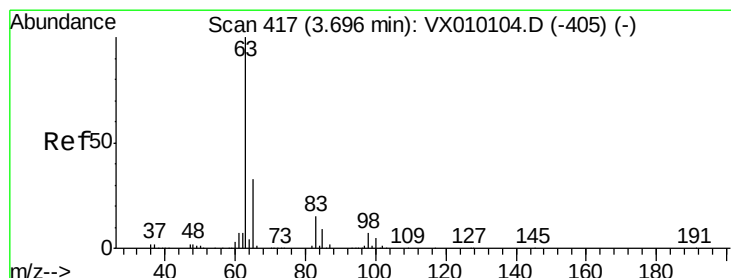
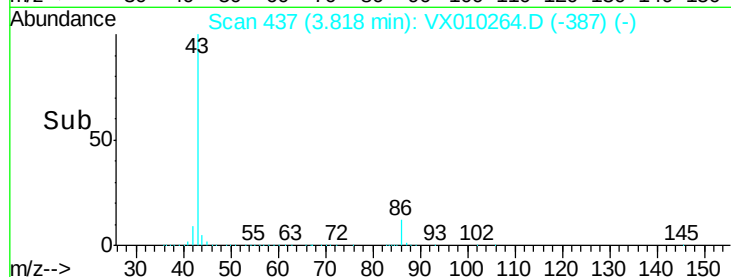
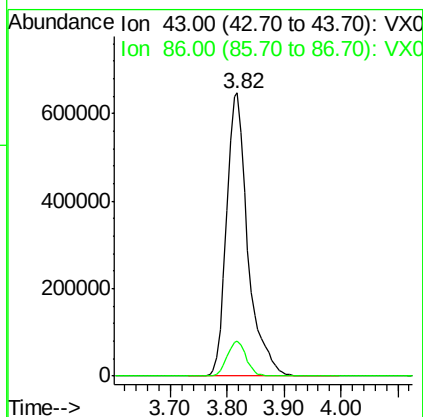
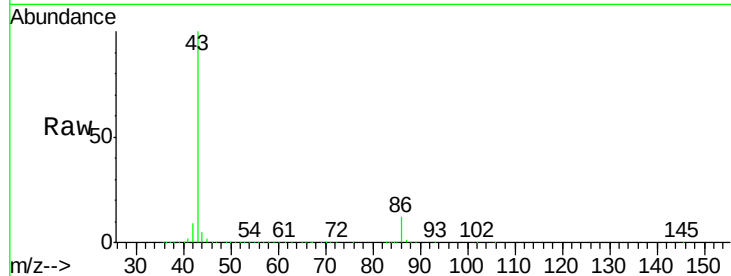
86 12.5 6.5 9.7#

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#24

1,1-Dichloroethane

Concen: 48.189 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

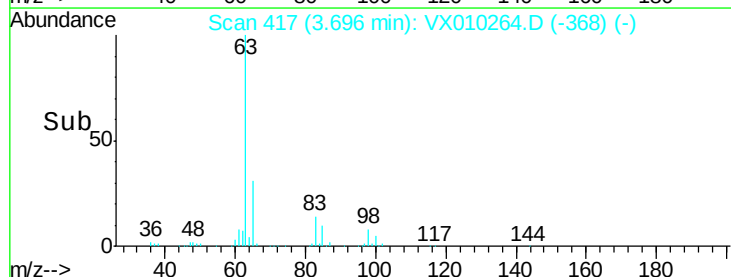
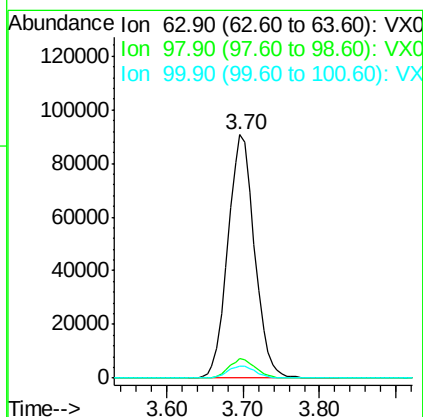
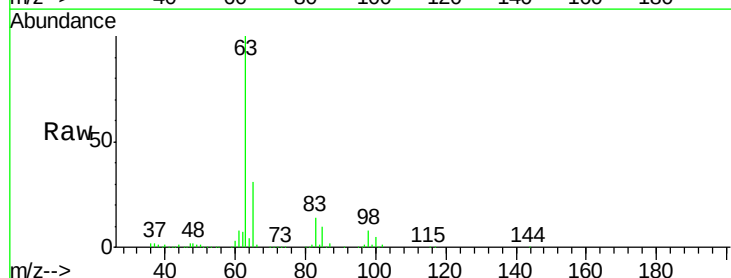
Tgt Ion: 63 Resp: 218681

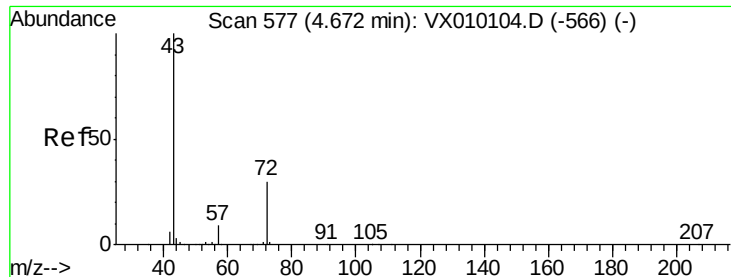
Ion Ratio Lower Upper

63 100

98 8.3 2.9 8.8

100 4.7 1.8 5.4





#25

2-Butanone

Concen: 245.819 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 43 Resp: 484542

Ion Ratio Lower Upper

43 100

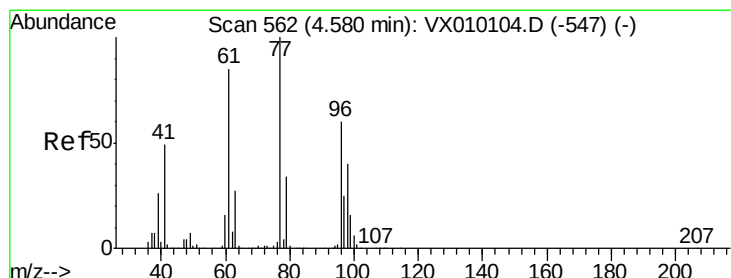
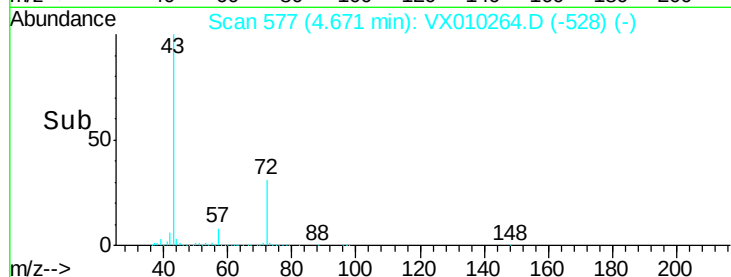
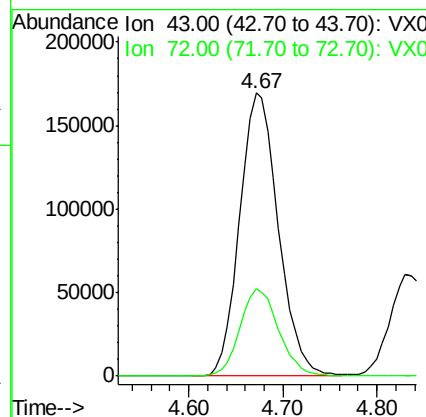
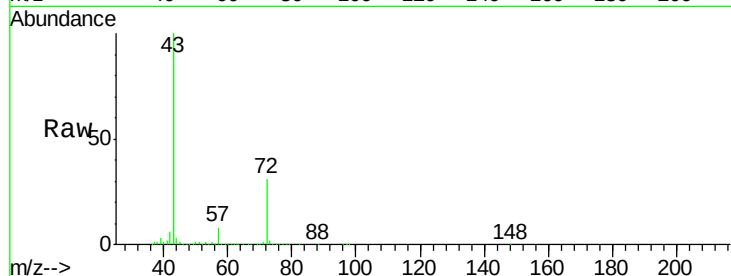
72 30.7 17.5 26.3#

Manual Integrations

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6/13/2019 9:17:56 AM



#26

2,2-Dichloropropane

Concen: 38.243 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010264.D

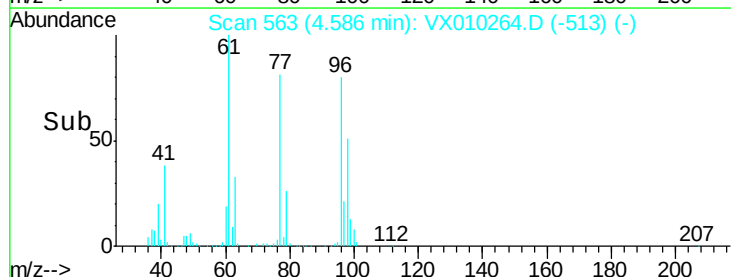
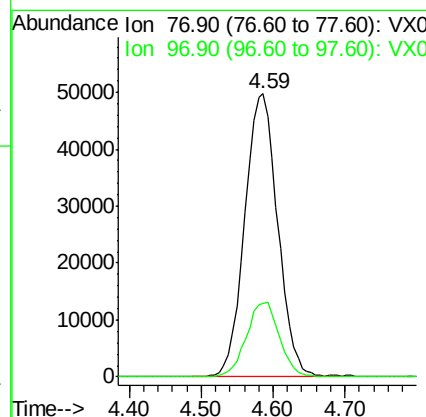
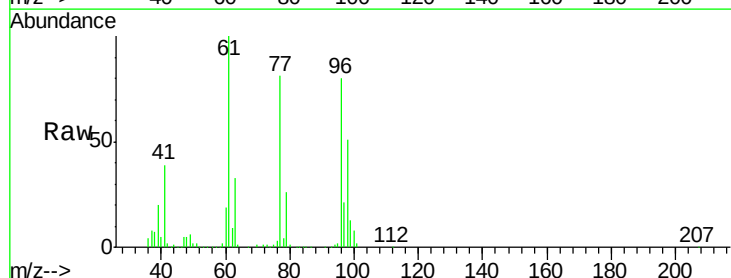
Acq: 12 Jun 2019 20:28

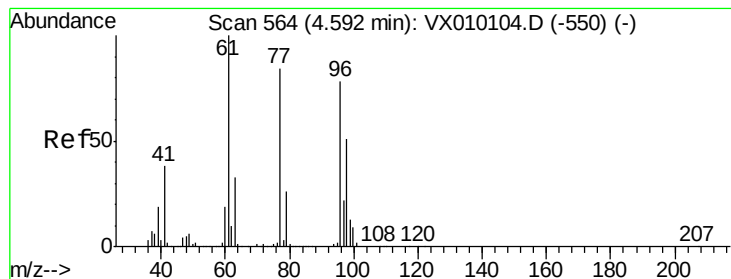
Tgt Ion: 77 Resp: 158323

Ion Ratio Lower Upper

77 100

97 26.6 11.4 34.2





#27

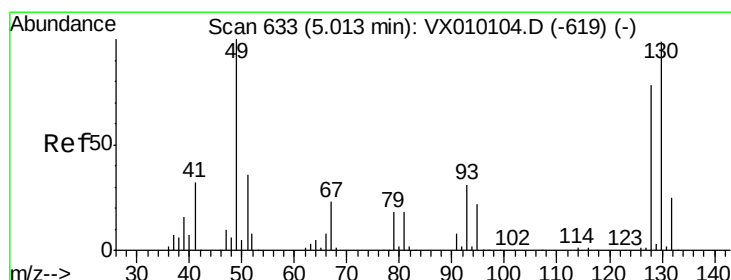
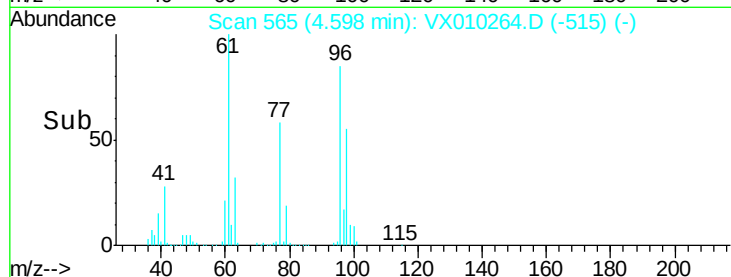
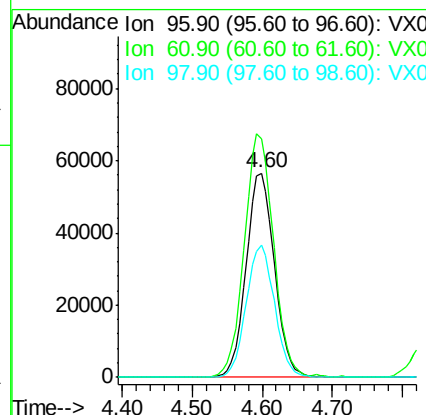
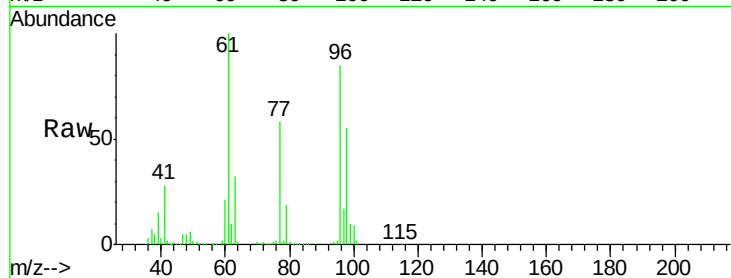
cis-1,2-Dichloroethene
Concen: 49.954 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	159272		
61	123.4		0.0	334.0
98	64.8		0.0	131.6

Manual Integrations
APPROVED

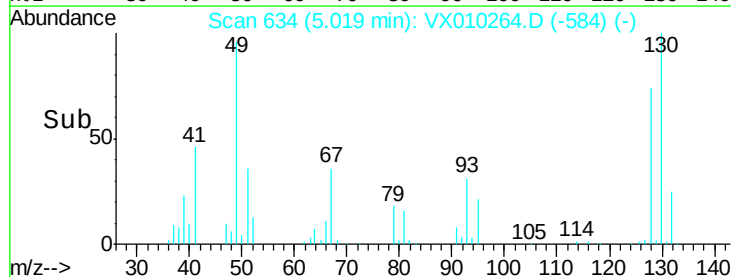
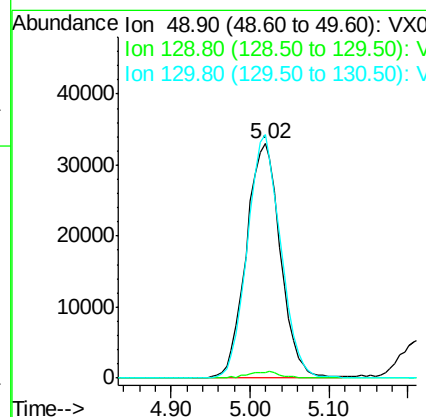
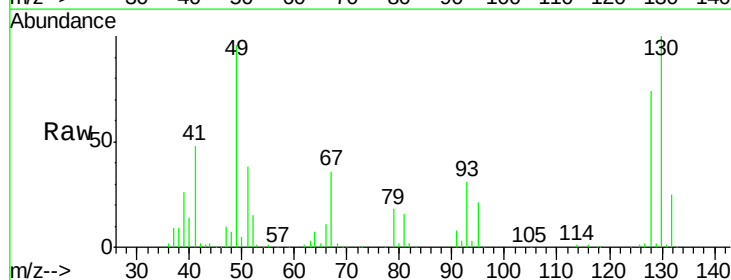
MMDadoda
6/13/2019 9:17:56 AM

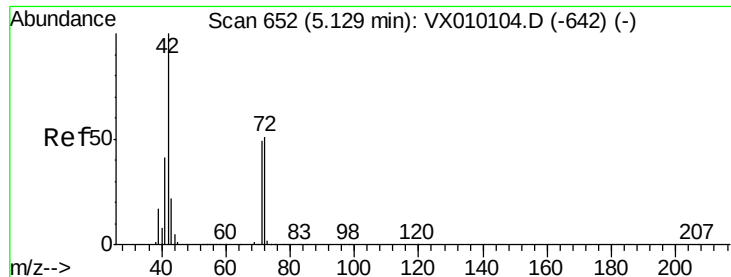


#28

Bromochloromethane
Concen: 49.125 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99910		
129	2.7		0.0	3.4
130	100.8		49.4	74.2#





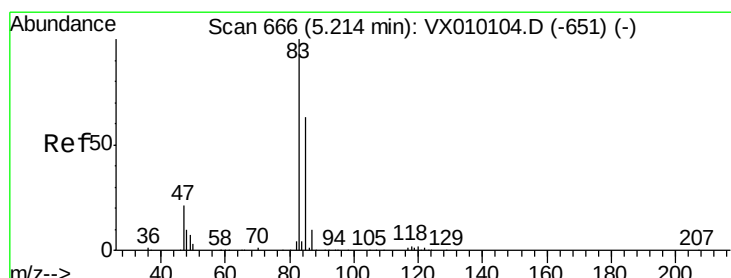
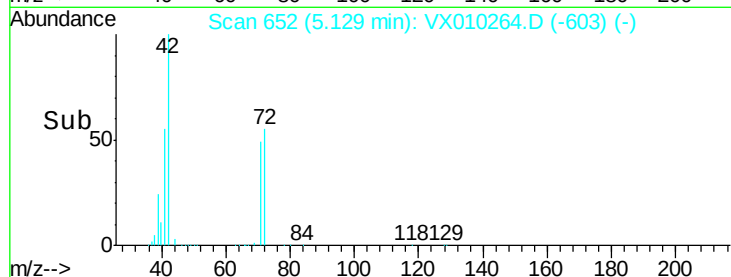
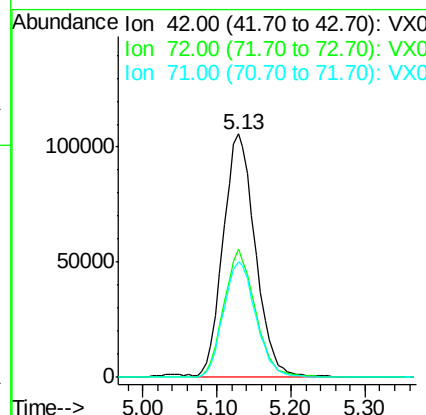
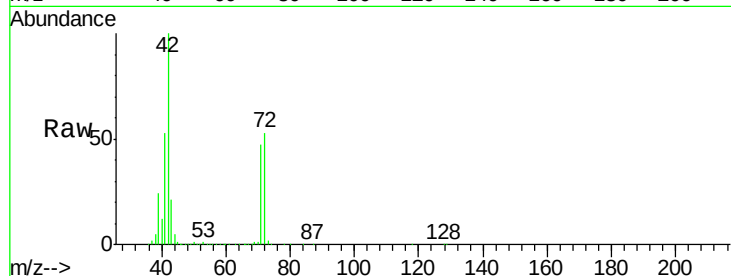
#29
Tetrahydrofuran
Concen: 255.805 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.8	29.2	43.8#
71	48.2	27.6	41.4#

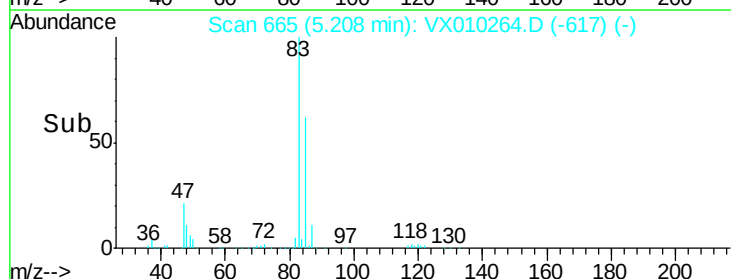
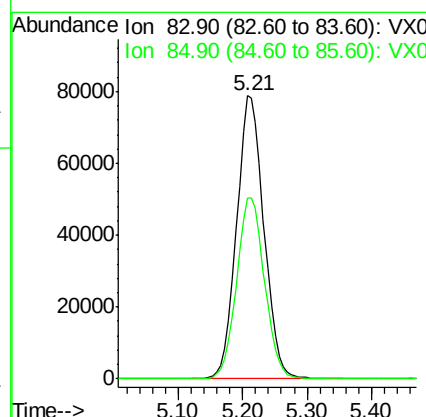
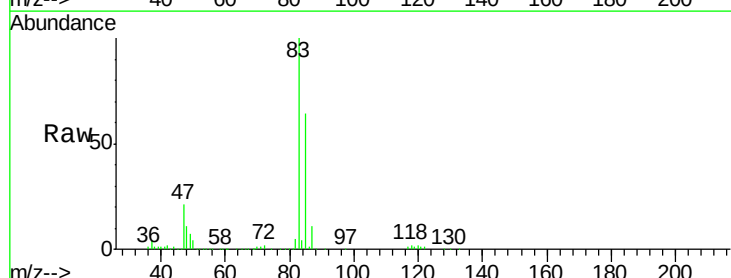
Manual Integrations
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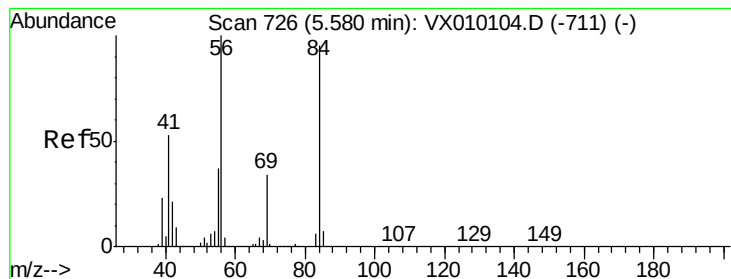
MMDadoda
6/13/2019 9:17:56 AM



#30
Chloroform
Concen: 49.227 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	78.8





#31

Cyclohexane

Concen: 46.977 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 56 Resp: 192399

Ion Ratio Lower Upper

56 100

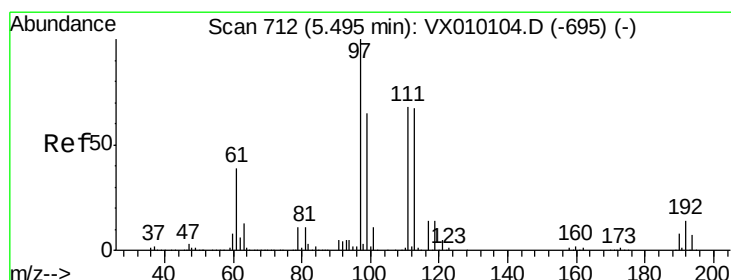
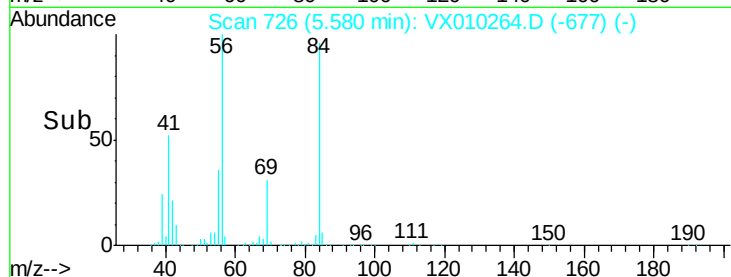
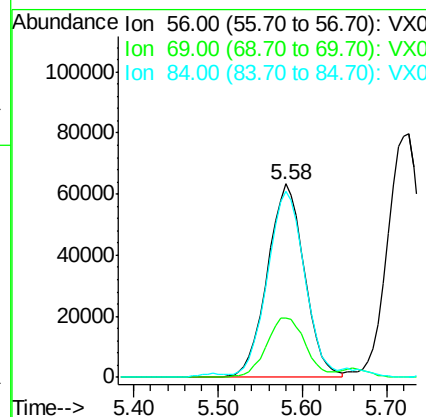
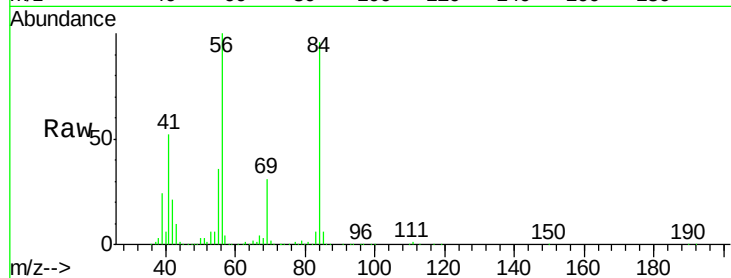
69 30.8 21.6 32.4

84 95.4 56.8 85.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.483 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

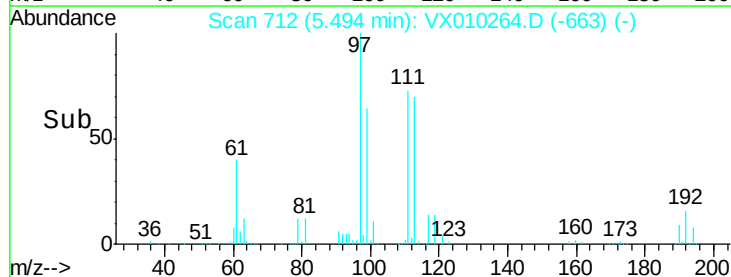
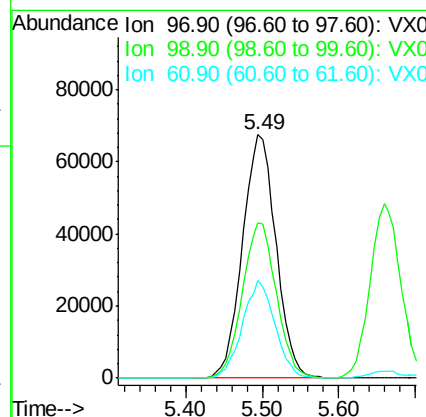
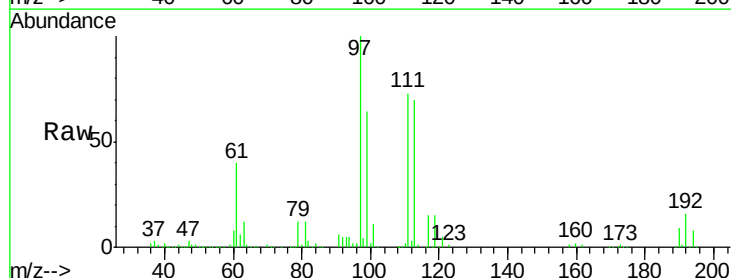
Tgt Ion: 97 Resp: 205946

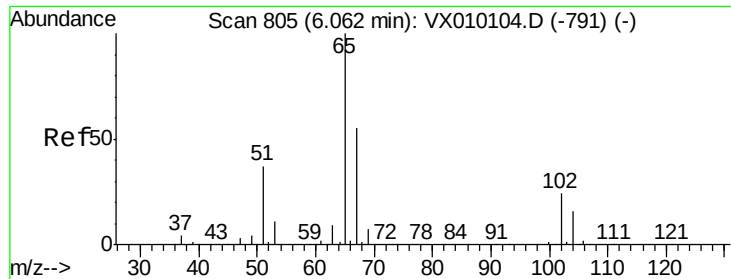
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

61 39.1 38.7 58.1





#33

1,2-Dichloroethane-d4

Concen: 50.587 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 65 Resp: 142371

Ion Ratio Lower Upper

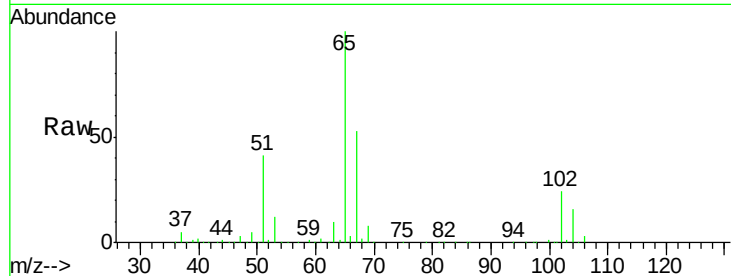
65 100

67 54.9 0.0 108.4

Manual Integrations
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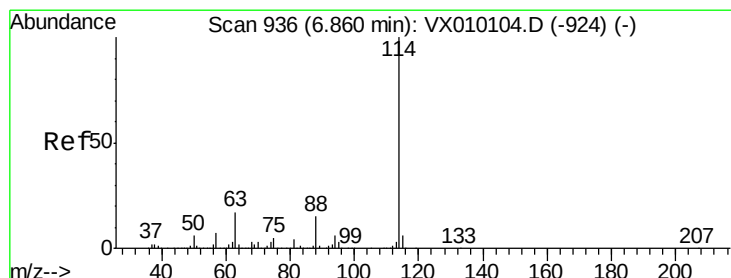
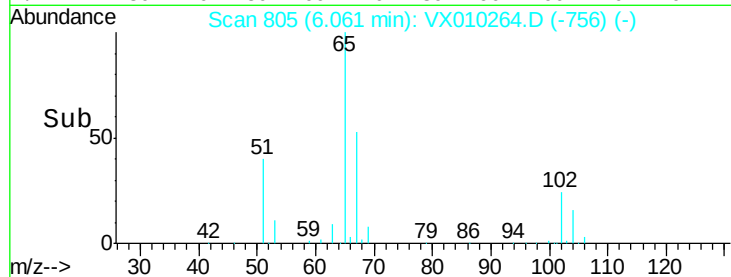
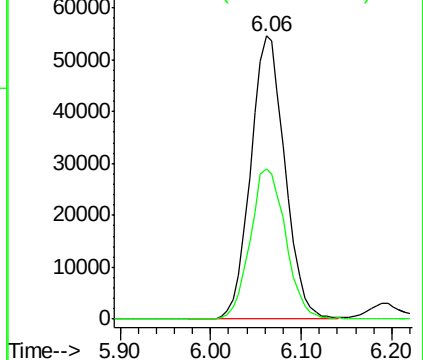
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

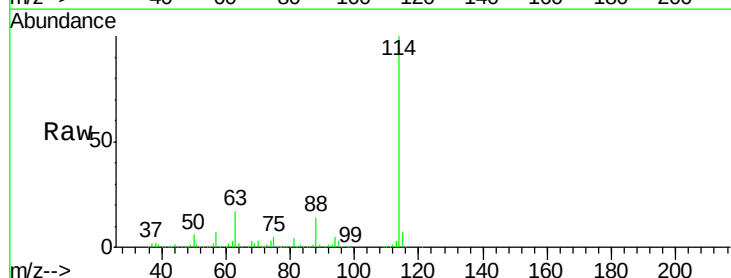
Tgt Ion: 114 Resp: 447328

Ion Ratio Lower Upper

114 100

63 17.2 0.0 47.4

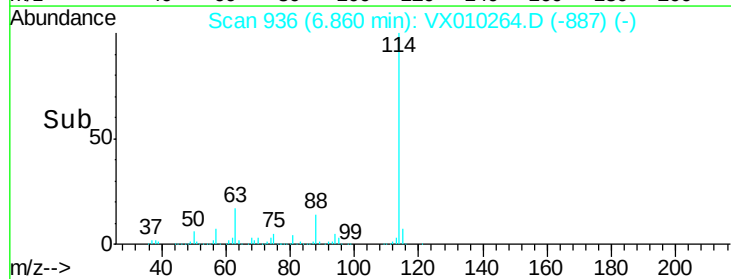
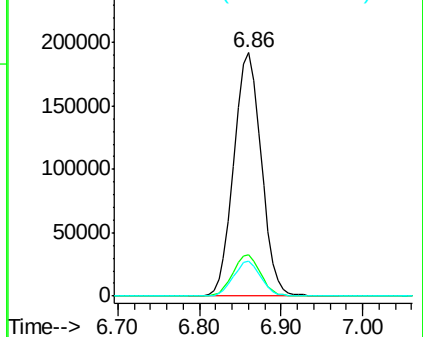
88 14.1 0.0 33.0

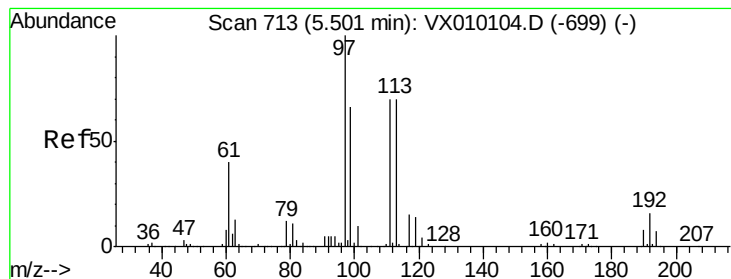


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.915 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

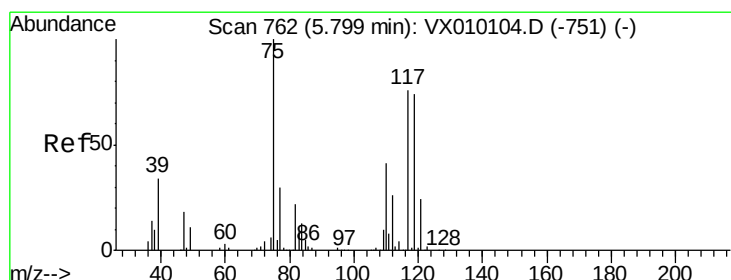
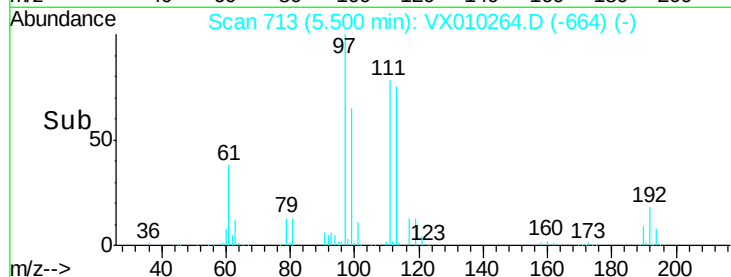
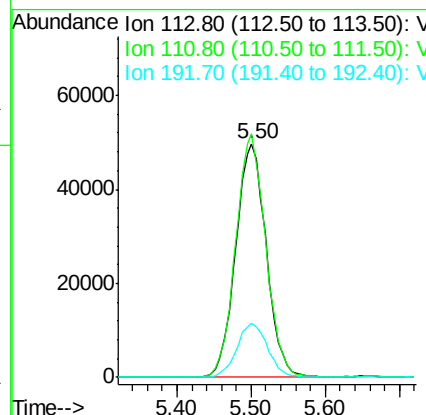
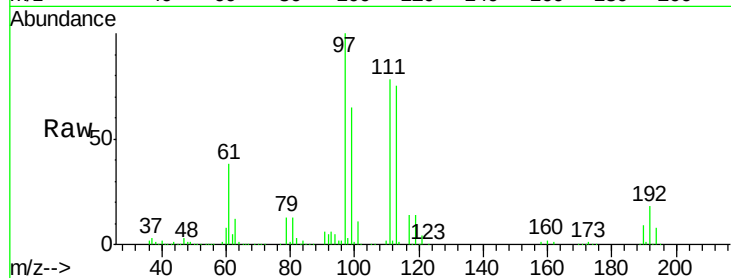
ClientSampled :

SS043MW010-190611MSD

Tot Ion:	113	Resp:	143246
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.2	123.2
192	23.2	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.301 ug/l

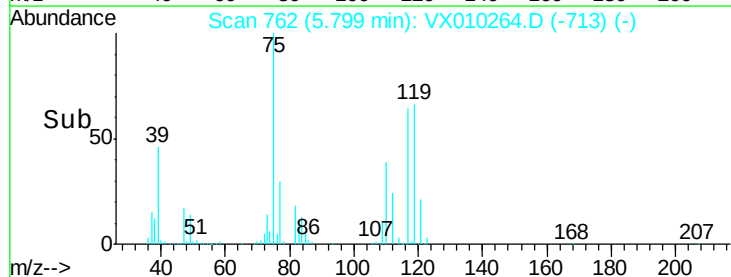
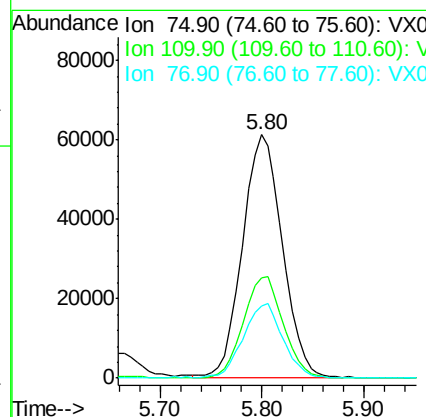
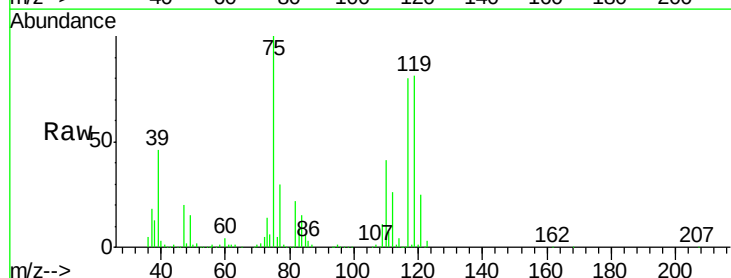
RT: 5.80 min Scan# 762

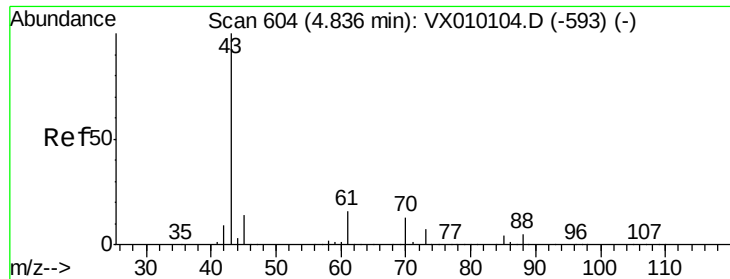
Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Tgt Ion:	75	Resp:	165326
Ion Ratio	Lower	Upper	
75	100		
110	42.2	16.7	50.1
77	30.9	25.0	37.4





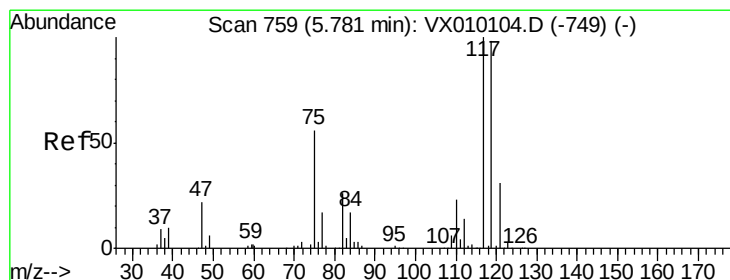
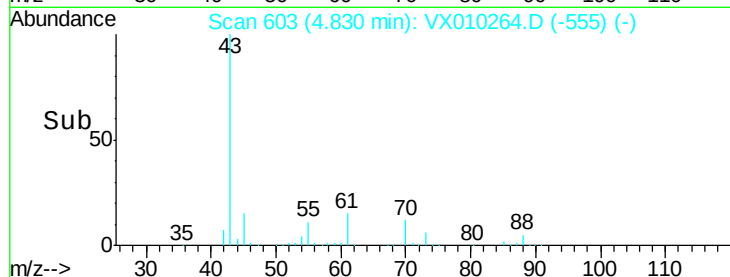
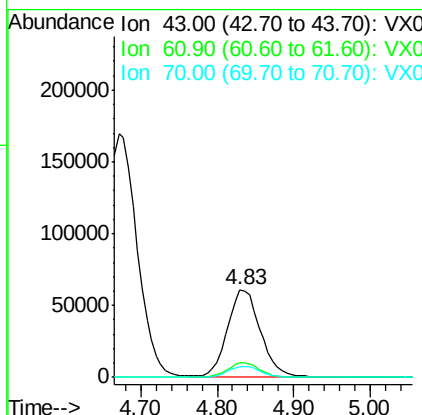
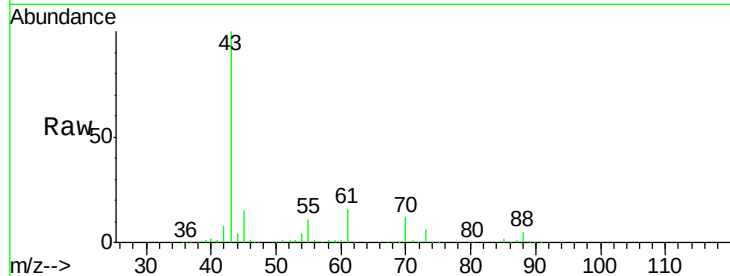
#37
Ethyl Acetate
Concen: 47.962 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	10.2	15.2#
70	12.3	7.4	11.2#

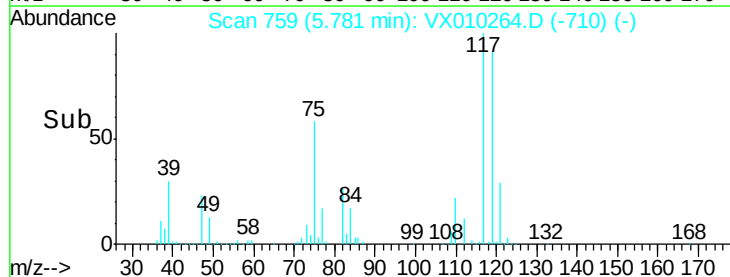
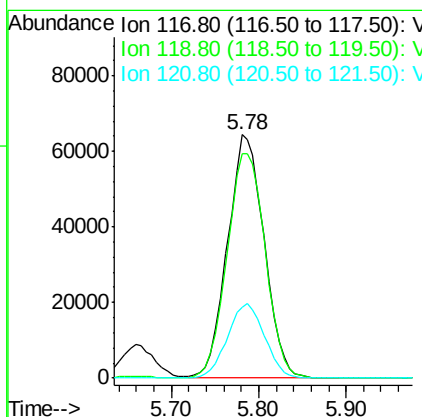
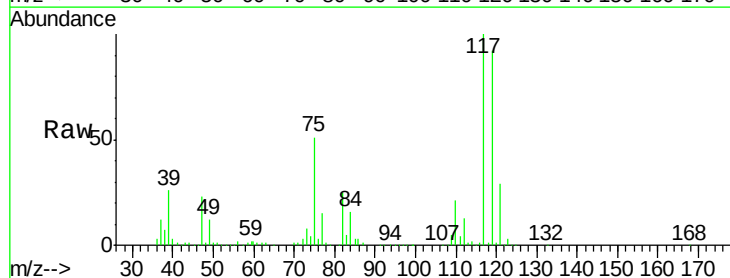
Manual Integrations
APPROVED

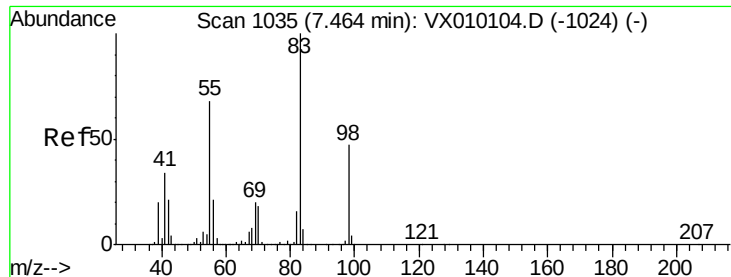
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#38
Carbon Tetrachloride
Concen: 45.244 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	77.3	115.9
121	29.3	25.4	38.0





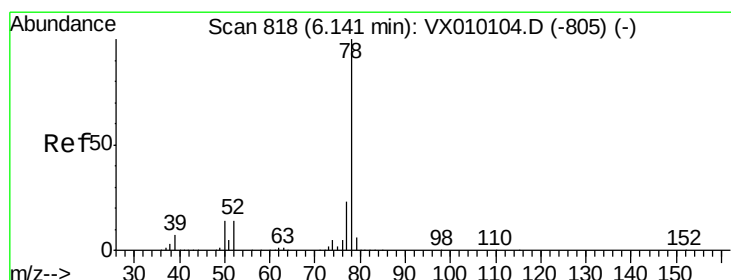
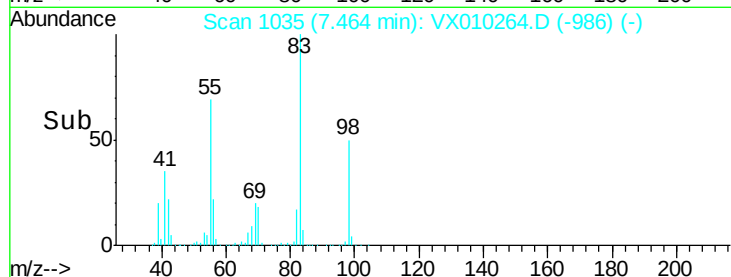
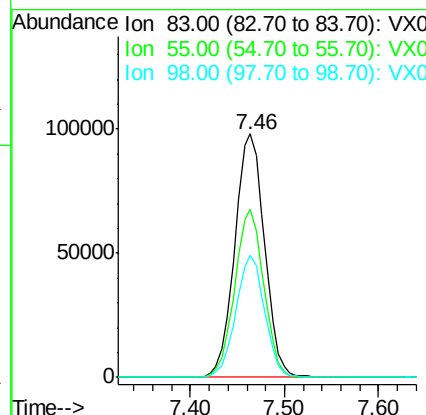
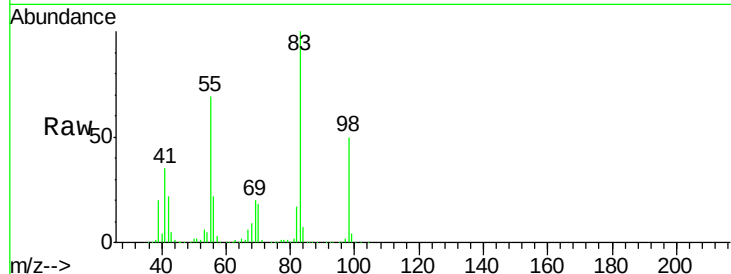
#39
Methylvlcyclohexane
Concen: 43.220 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	214782		
55	69.0		69.9	104.9#
98	49.9		35.1	52.7

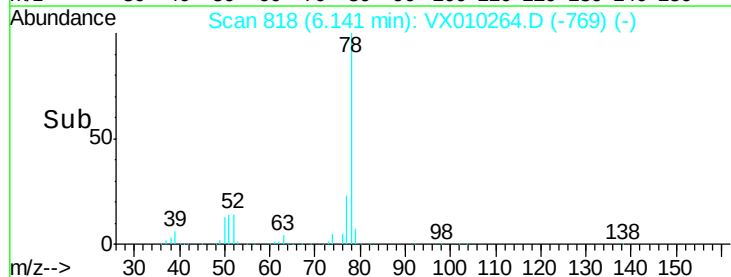
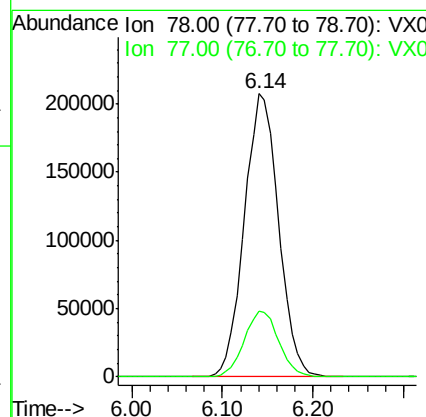
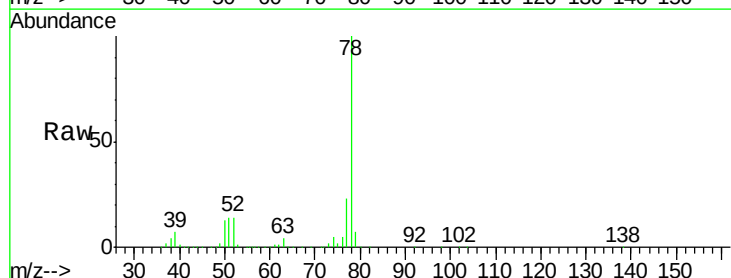
Manual Integrations
APPROVED

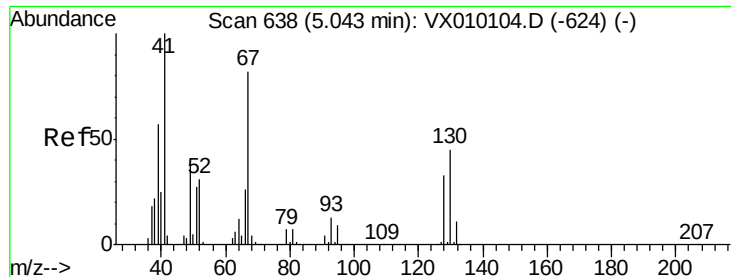
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#40
Benzene
Concen: 48.106 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	542872		
77	23.4		19.2	28.8





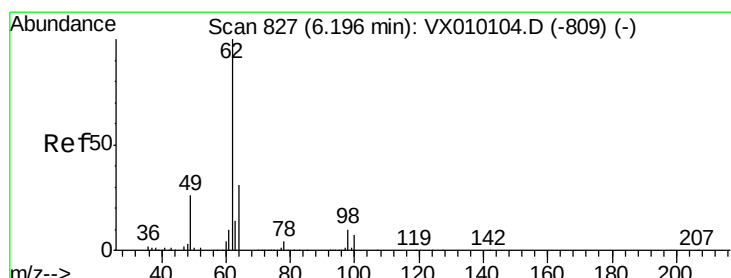
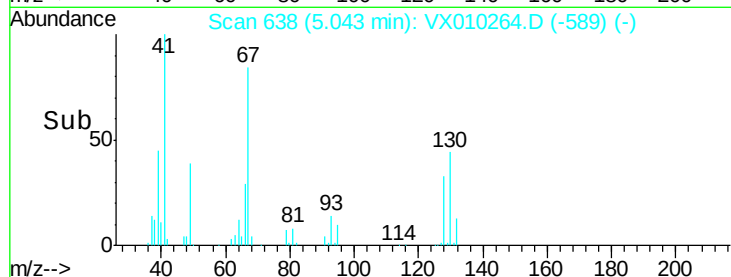
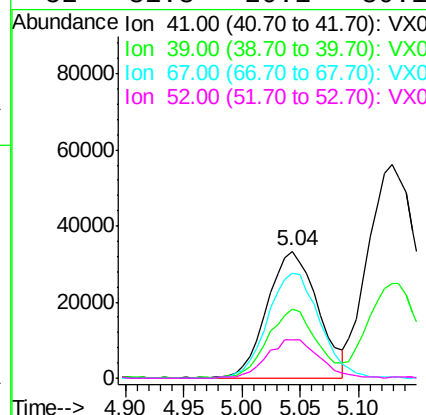
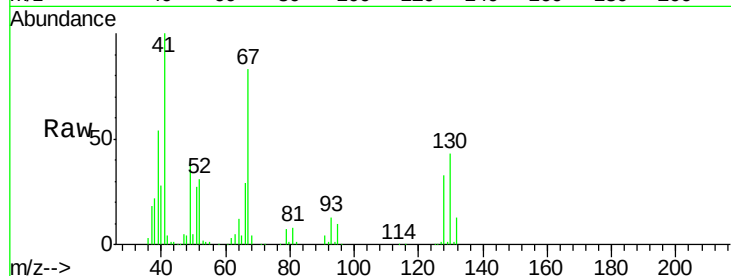
#41
Methacrylonitrile
Concen: 48.719 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.2	63.4	
67	86.0	48.9	73.3	
52	31.3	20.1	30.1	

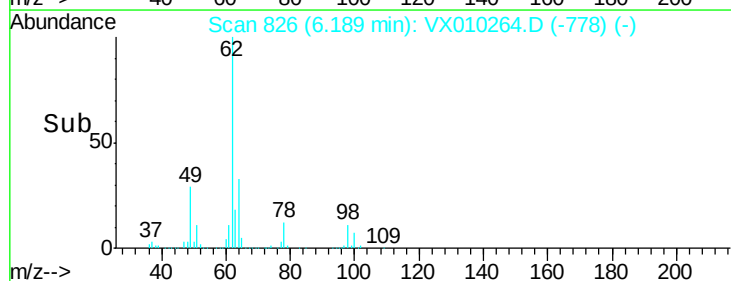
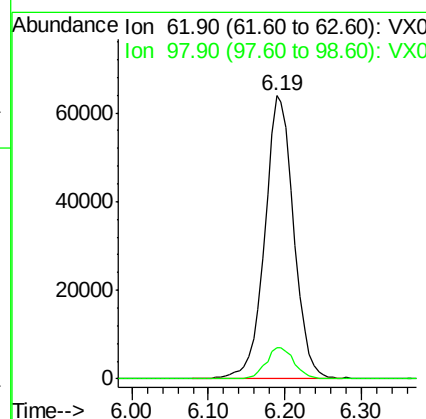
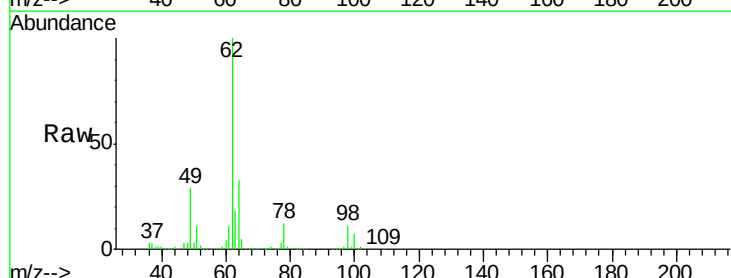
Manual Integrations
APPROVED

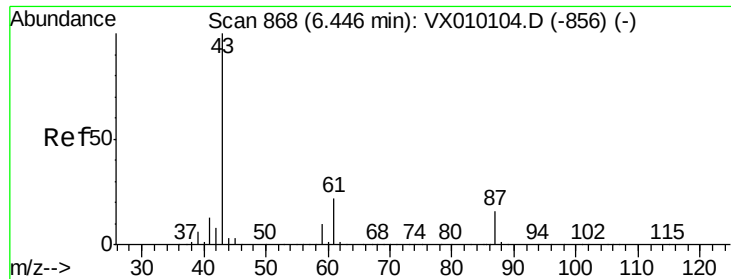
MMDadoda
6/13/2019 9:17:56 AM



#42
1,2-Dichloroethane
Concen: 46.779 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.8	0.0	17.2	





#43

Isopropyl Acetate

Concen: 47.755 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

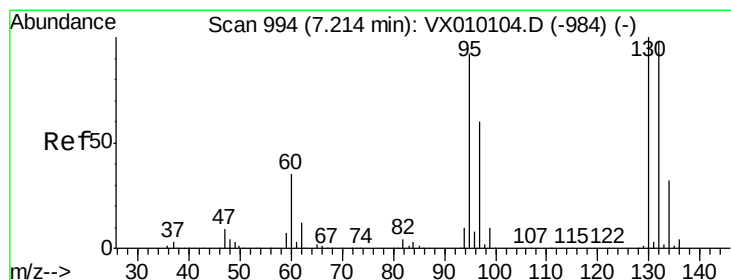
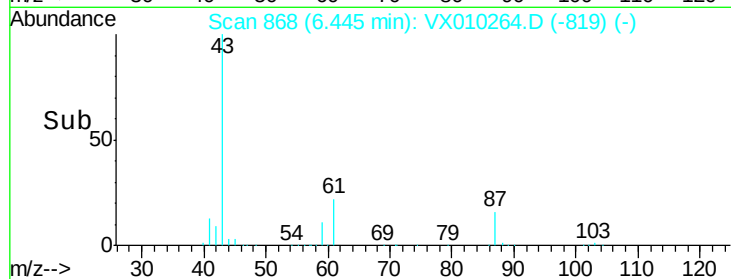
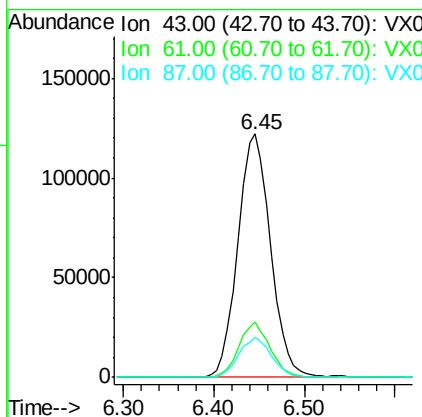
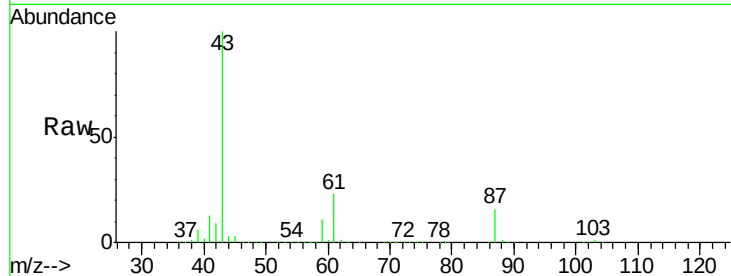
ClientSampleId :

SS043MW010-190611MSD

Tot Ion:	43	Resp:	303193
Ion Ratio		Lower	Upper
43	100		
61	22.0	14.6	21.8#
87	16.4	8.7	13.1#

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#44

Trichloroethene

Concen: 46.699 ug/l

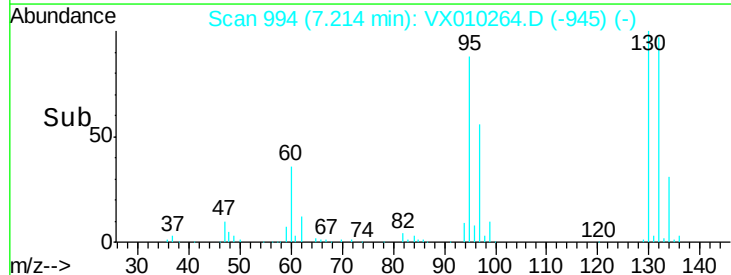
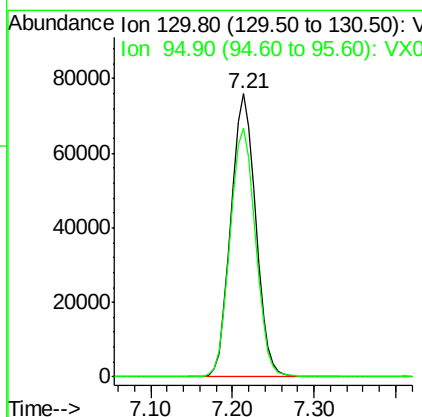
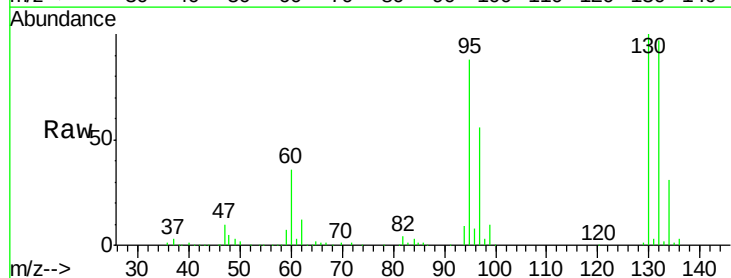
RT: 7.21 min Scan# 994

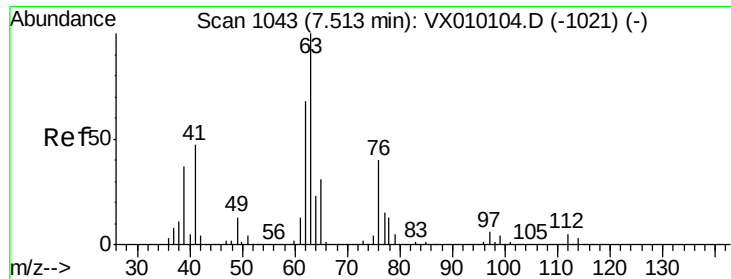
Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Tgt Ion:	130	Resp:	158851
Ion Ratio		Lower	Upper
130	100		
95	88.1	0.0	207.4





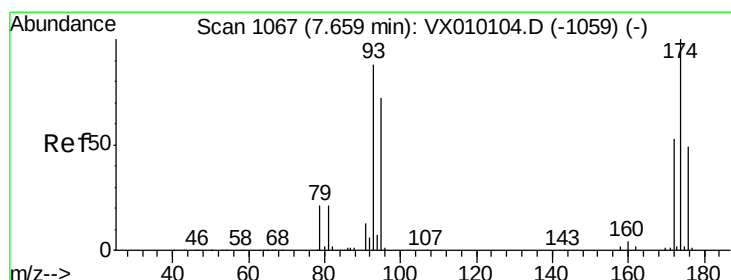
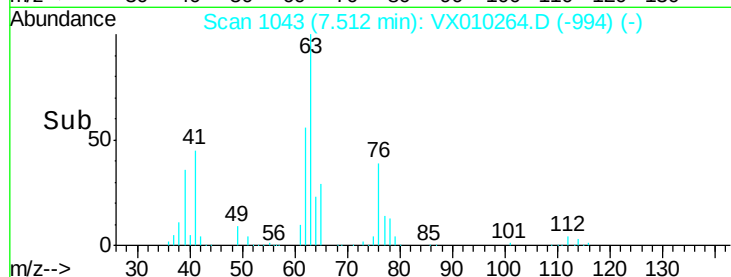
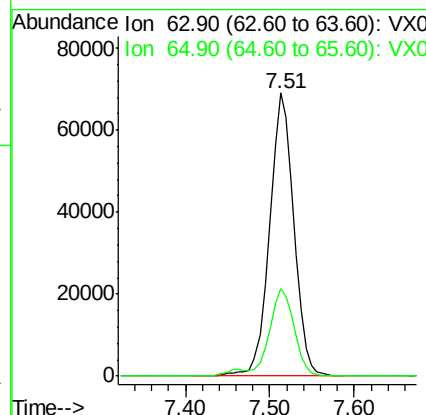
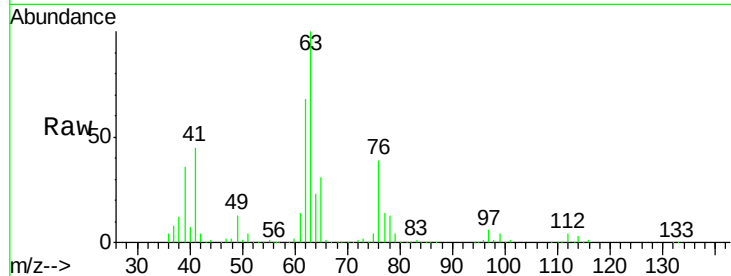
#45
 1,2-Dichloropropane
 Concen: 48.688 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.7	38.5

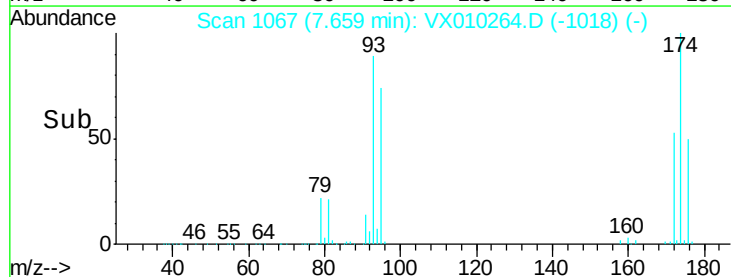
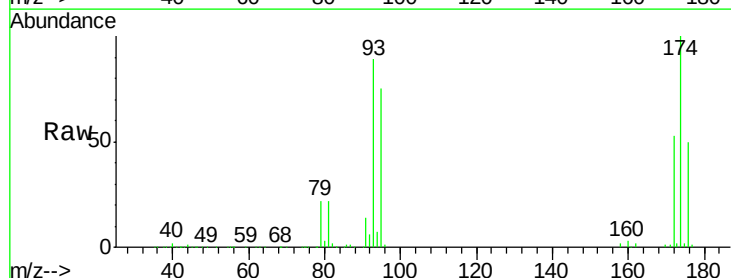
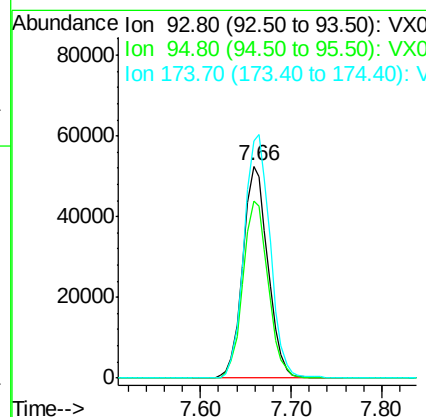
Manual Integrations
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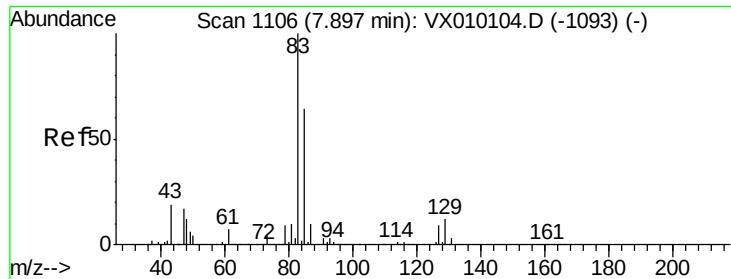
MMDadoda
 6/13/2019 9:17:56 AM



#46
 Dibromomethane
 Concen: 47.659 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.8	100.2
174	118.6	81.9	122.9





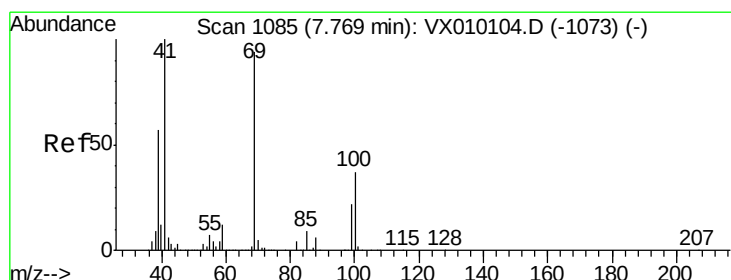
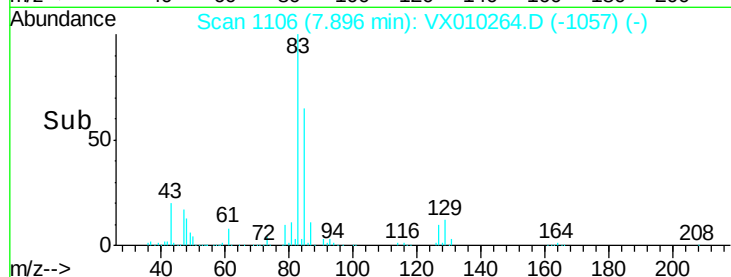
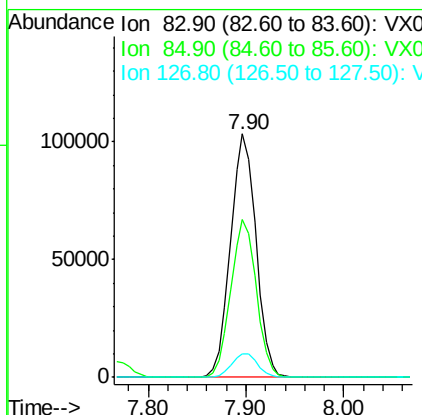
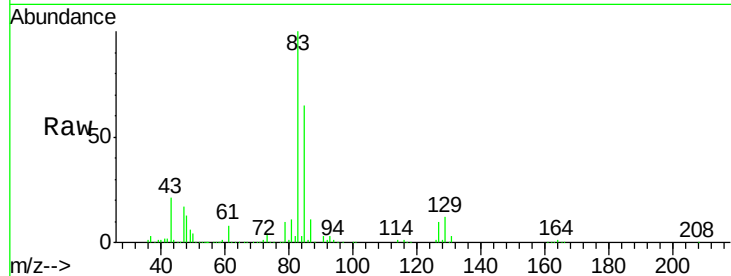
#47
Bromodichloromethane
Concen: 47.347 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	187215		
85	64.6		51.4	77.2
127	9.6		6.4	9.6

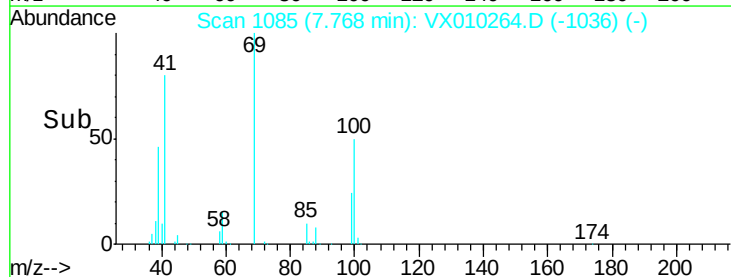
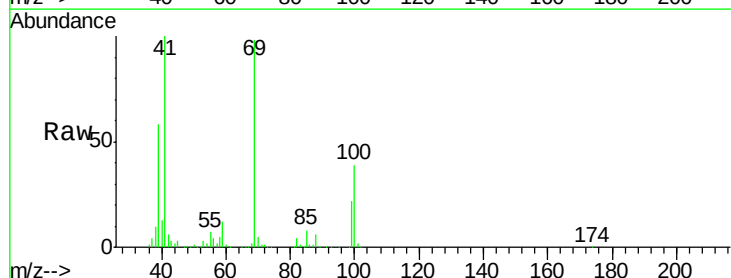
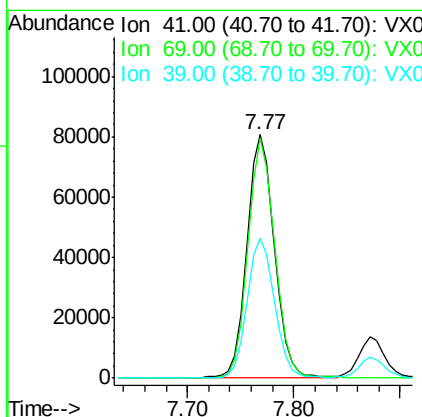
Manual Integrations
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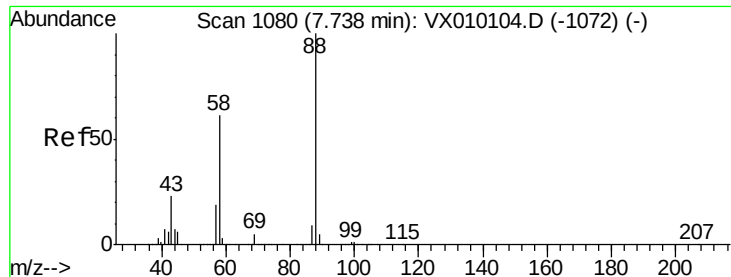
MMDadoda
6/13/2019 9:17:56 AM



#48
Methyl methacrylate
Concen: 49.087 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	145748		
69	97.1		56.4	84.6#
39	57.3		40.6	60.8





#49

1,4-Dioxane

Concen: 861.669 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

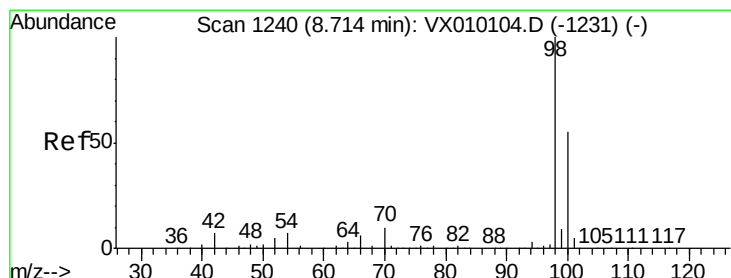
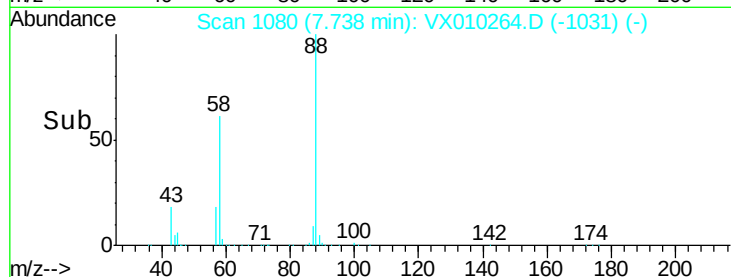
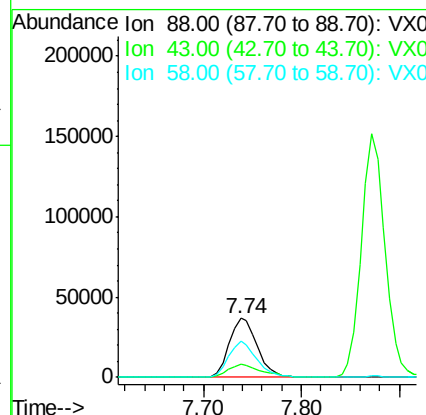
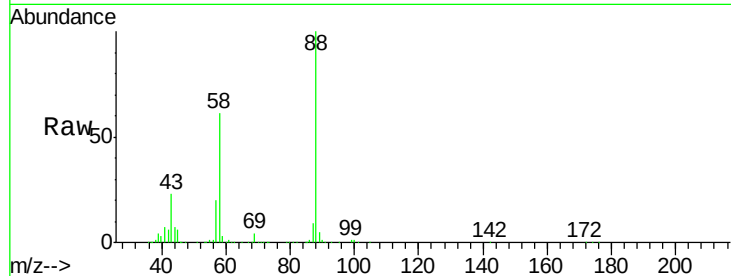
ClientSampleId :

SS043MW010-190611MSD

Tot Ion:	88	Resp:	72945
Ion	Ratio	Lower	Upper
88	100		
43	25.7	30.2	45.4#
58	61.5	64.0	96.0#

Manual Integrations
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#50

Toluene-d8

Concen: 51.772 ug/l

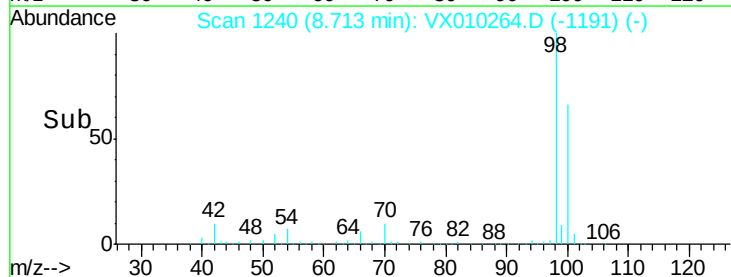
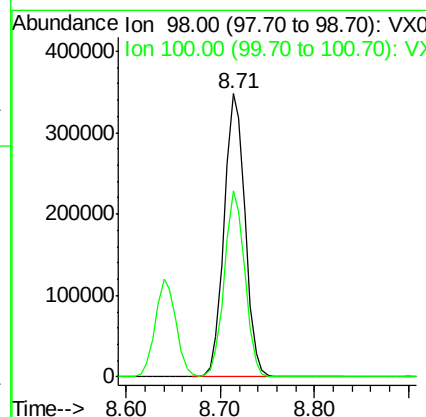
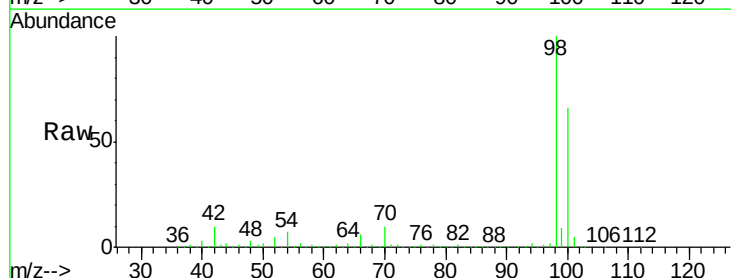
RT: 8.71 min Scan# 1240

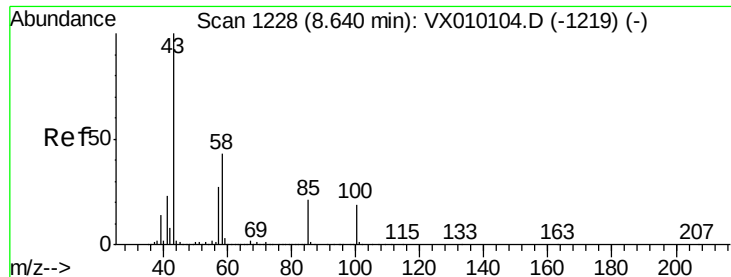
Delta R.T. 0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Tgt Ion:	98	Resp:	535384
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 260.913 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 43 Resp: 989600

Ion Ratio Lower Upper

43 100

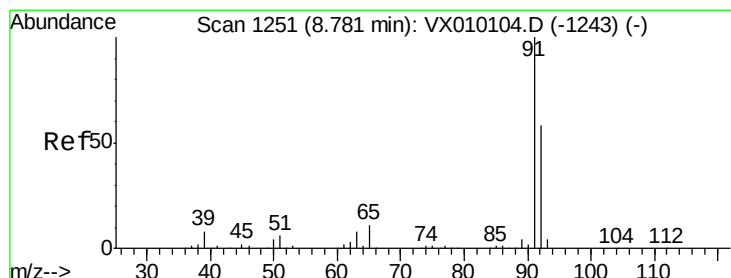
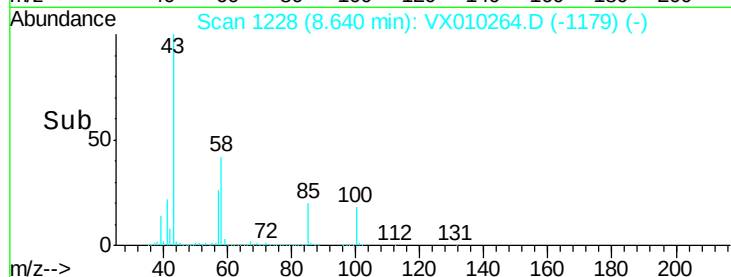
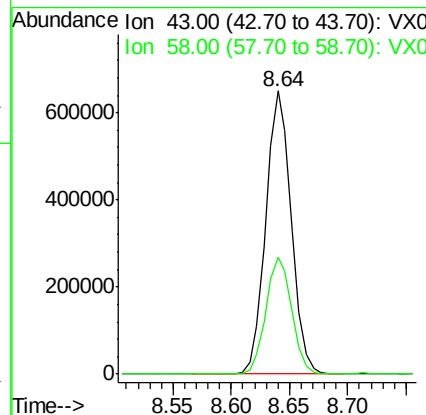
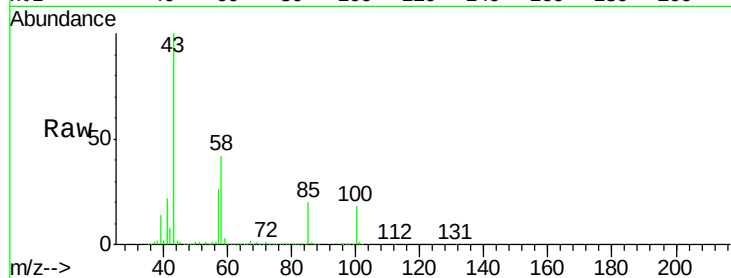
58 41.9 28.8 43.2

Manual Integrations

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#52

Toluene

Concen: 47.621 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010264.D

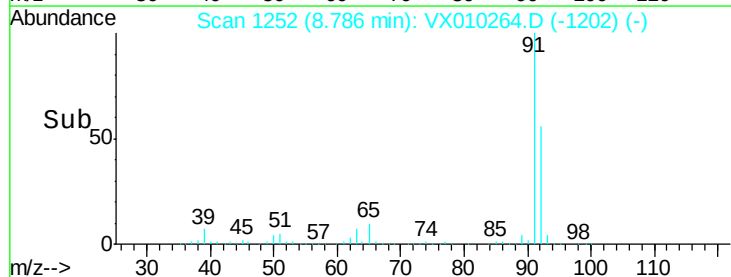
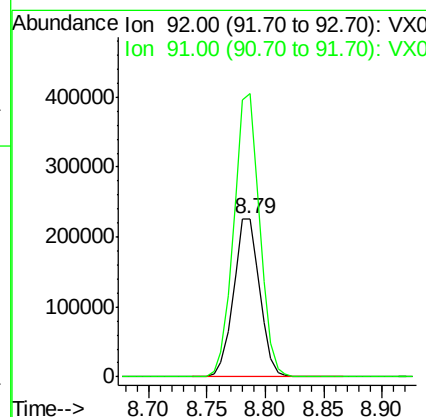
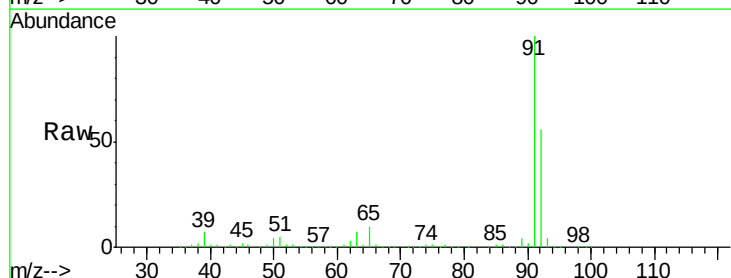
Acq: 12 Jun 2019 20:28

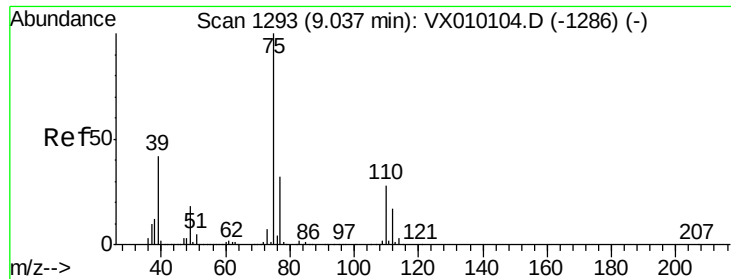
Tgt Ion: 92 Resp: 353257

Ion Ratio Lower Upper

92 100

91 177.0 139.9 209.9





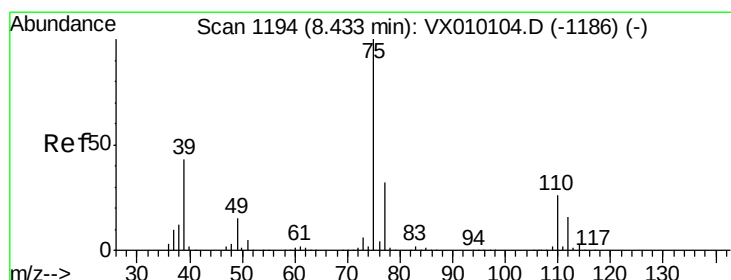
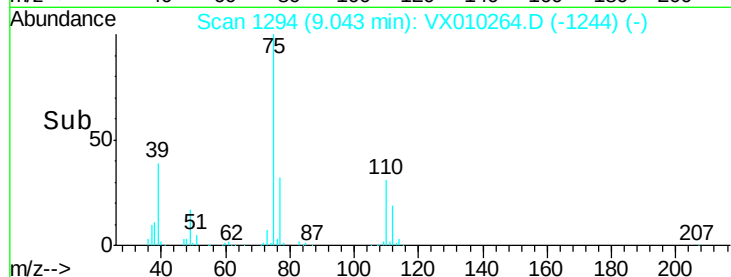
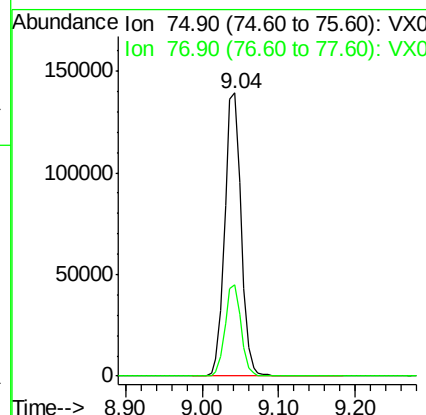
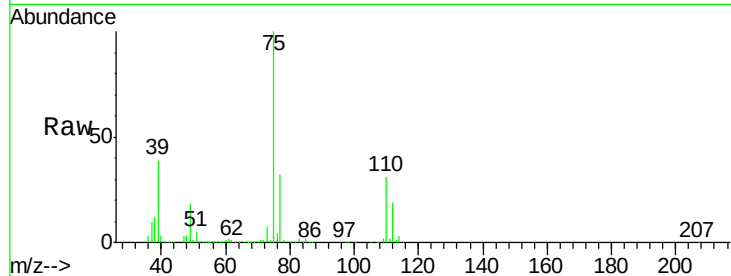
#53
t-1,3-Dichloropropene
Concen: 45.082 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion: 75 Resp: 206190
Ion Ratio Lower Upper
75 100
77 32.5 24.6 36.8

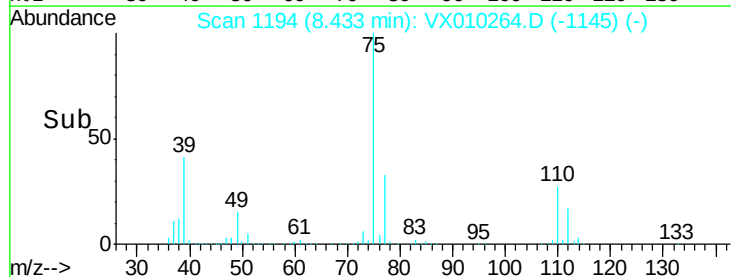
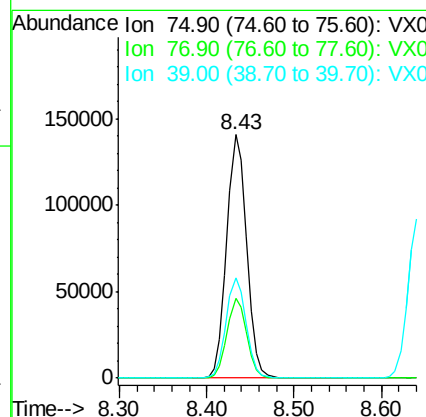
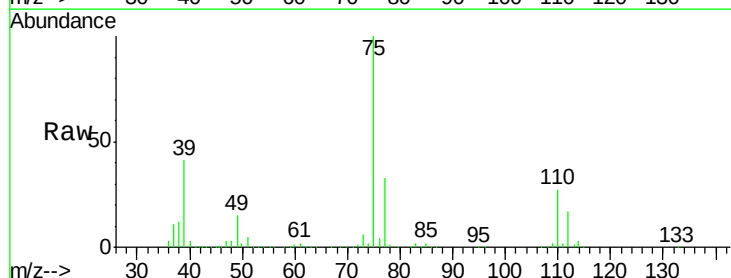
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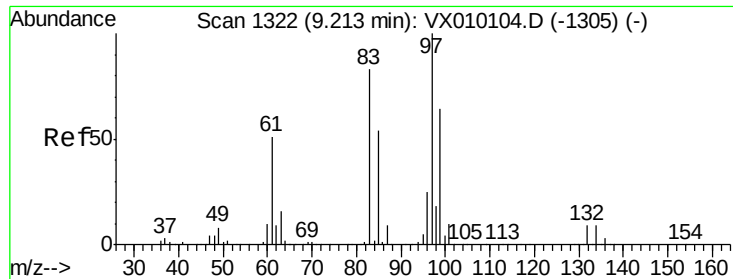
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 45.416 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion: 75 Resp: 222682
Ion Ratio Lower Upper
75 100
77 32.5 24.8 37.2
39 41.1 43.4 65.0#





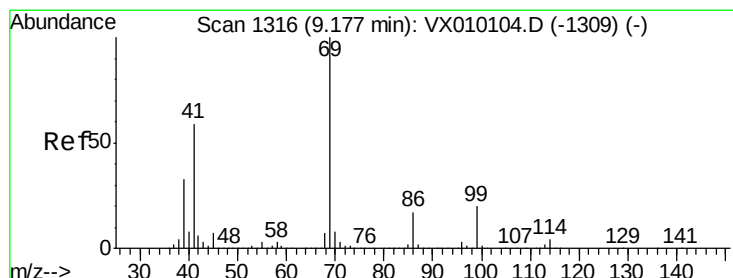
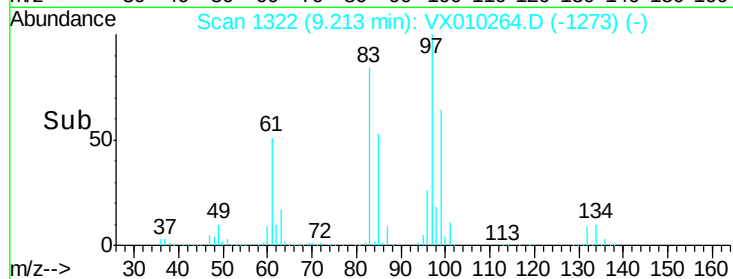
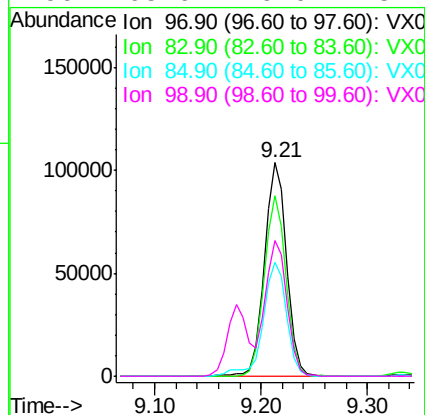
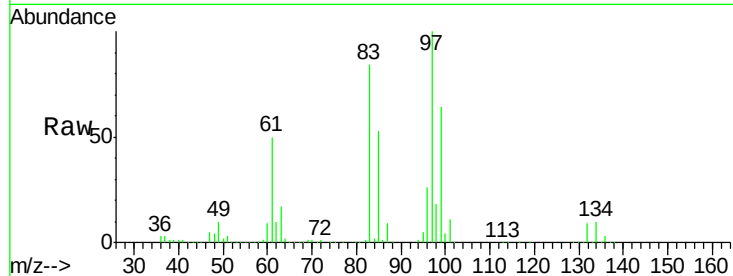
#55
 1,1,2-Trichloroethane
 Concen: 49.783 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MSD

Tot Ion:	97	Resp:	151243
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.8	104.8
85	53.5	45.3	67.9
99	63.6	49.0	73.4

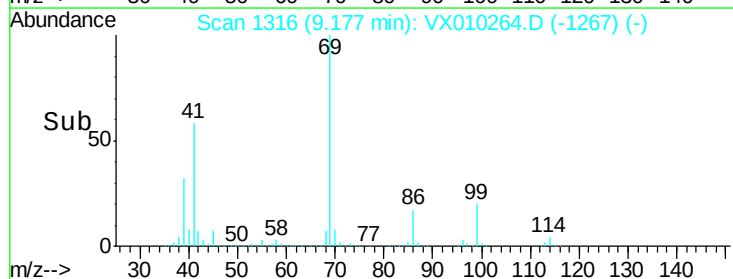
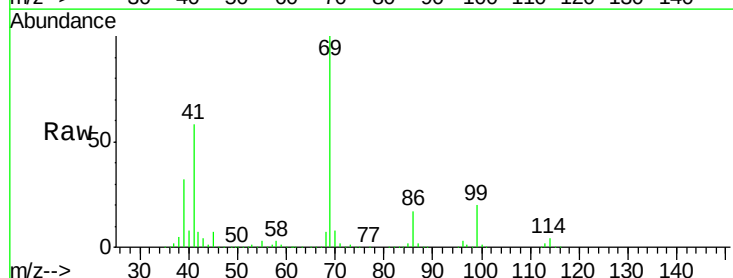
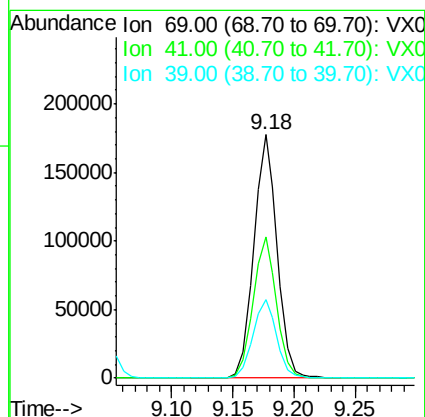
Manual Integrations
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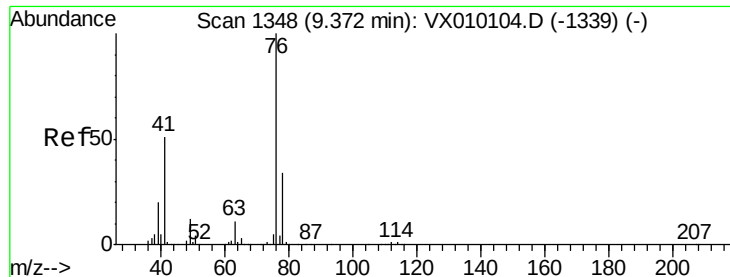
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 6/13/2019 9:17:56 AM



#56
 Ethyl methacrylate
 Concen: 49.096 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Tgt Ion:	69	Resp:	235616
Ion	Ratio	Lower	Upper
69	100		
41	58.0	62.7	94.1#
39	32.6	29.5	44.3





#57

1,3-Dichloropropane

Concen: 48.795 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 76 Resp: 233385

Ion Ratio Lower Upper

76 100

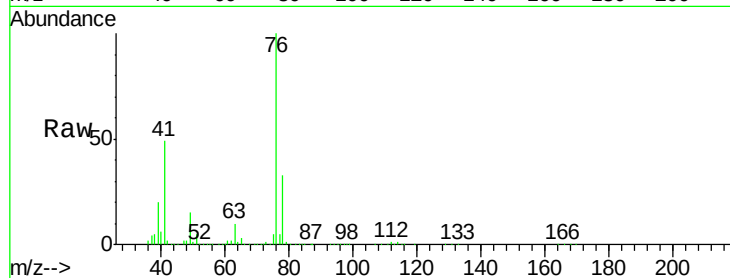
78 32.5 25.4 38.0

Manual Integrations

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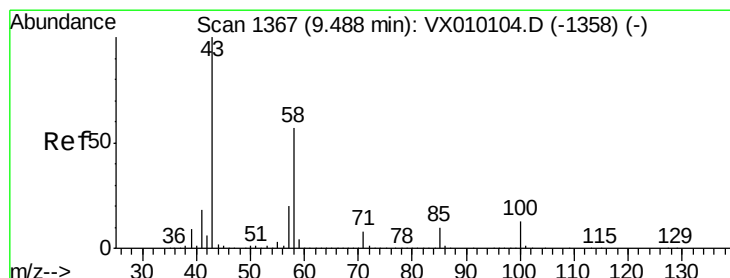
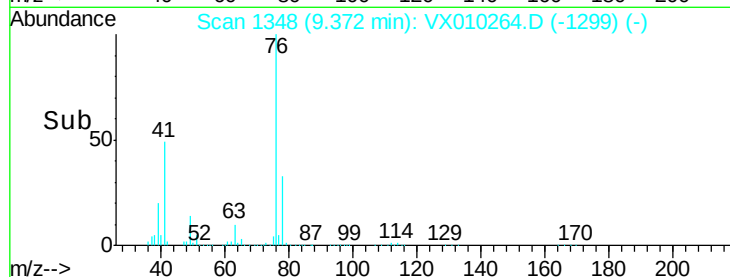
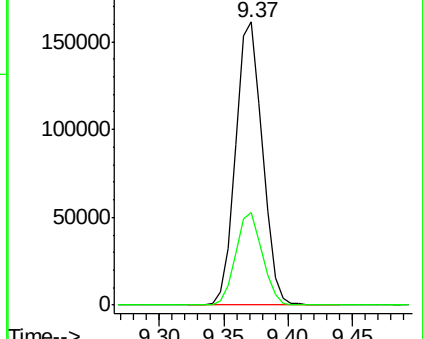
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 252.371 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VX010264.D

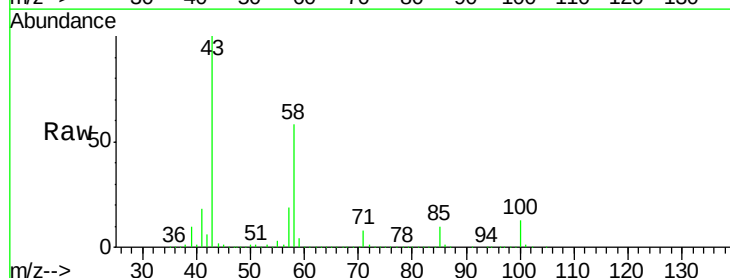
Acq: 12 Jun 2019 20:28

Tgt Ion: 43 Resp: 763188

Ion Ratio Lower Upper

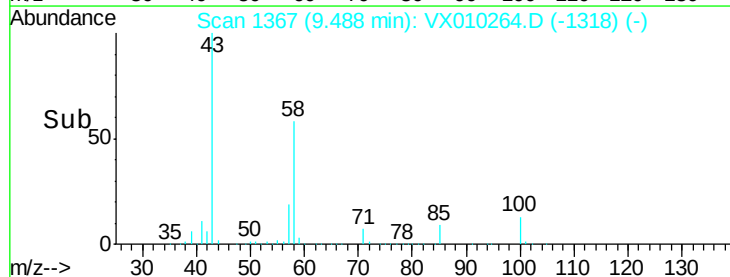
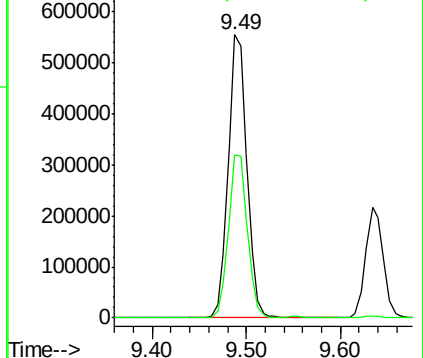
43 100

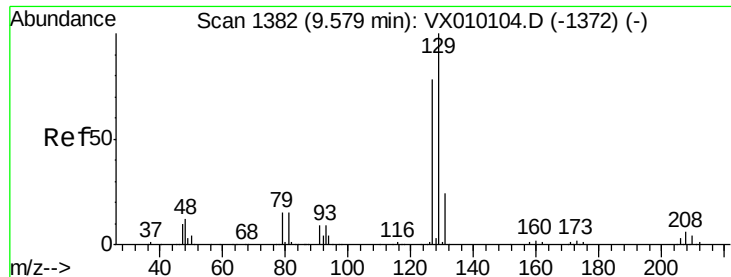
58 58.3 25.1 75.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 48.672 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion:129 Resp: 174904

Ion Ratio Lower Upper

129 100

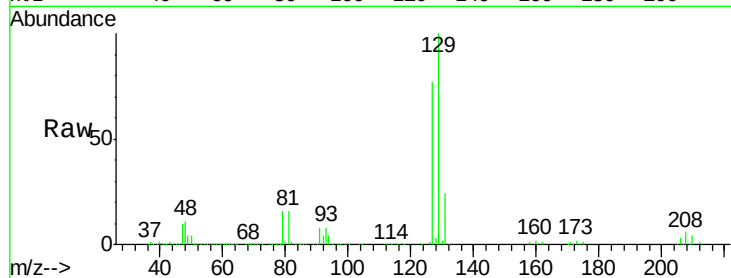
127 77.1 38.5 115.5

Manual Integrations

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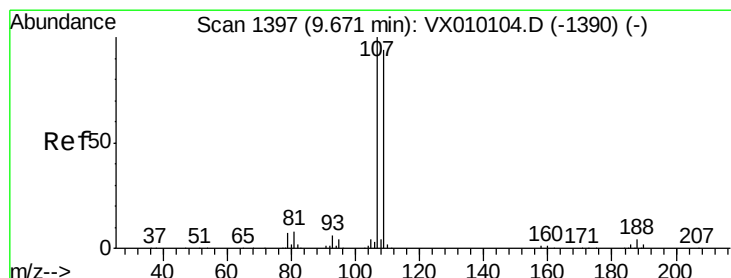
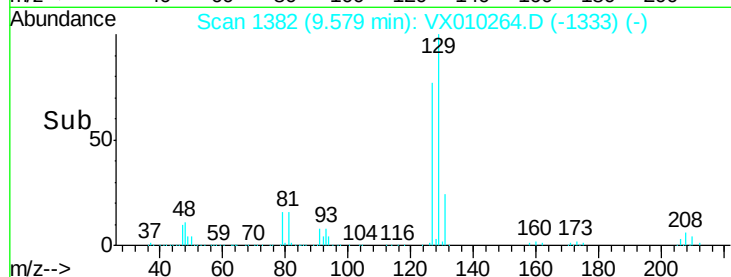
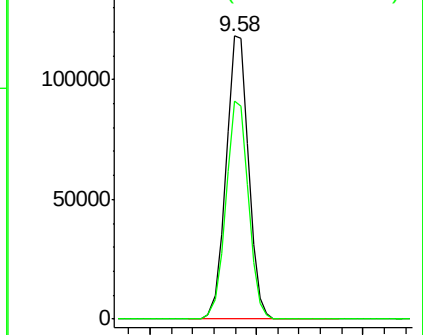
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.715 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010264.D

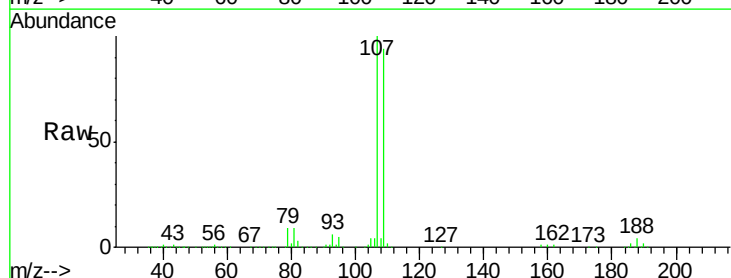
Acq: 12 Jun 2019 20:28

Tgt Ion:107 Resp: 164833

Ion Ratio Lower Upper

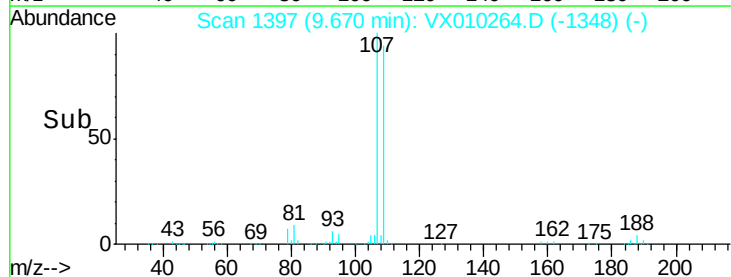
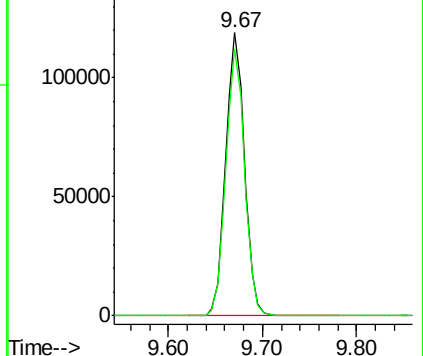
107 100

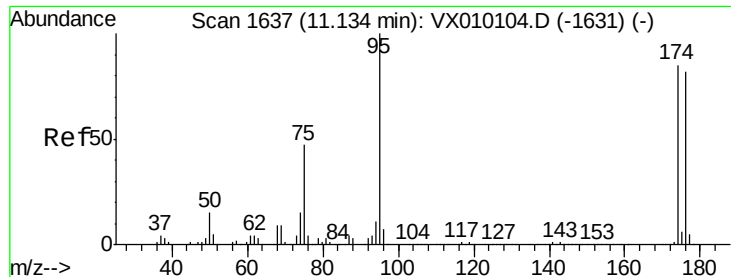
109 94.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.211 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

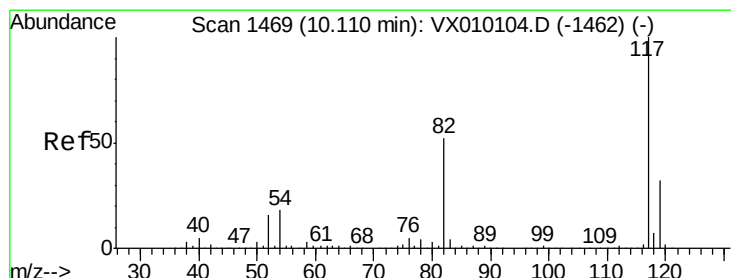
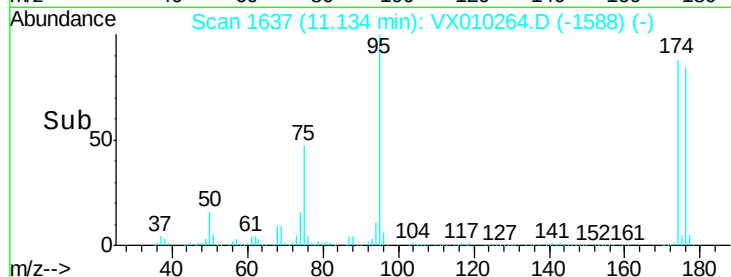
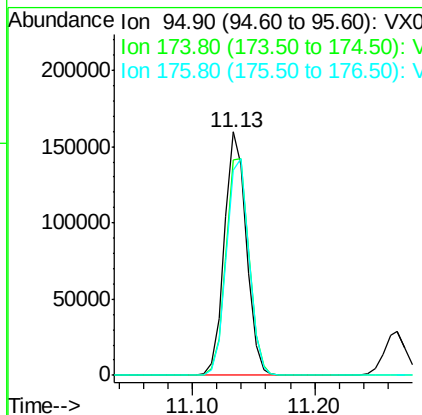
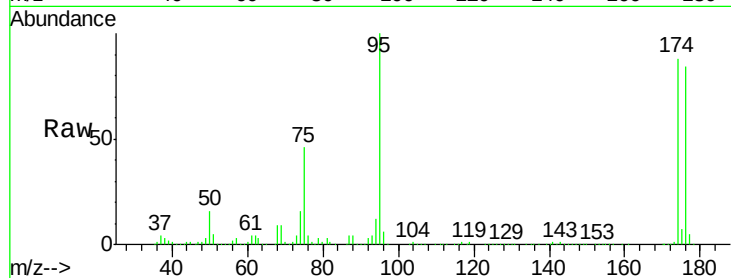
ClientSampleId :

SS043MW010-190611MSD

Tot Ion	95	Resp	197776
Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	160.4
176	91.2	0.0	154.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

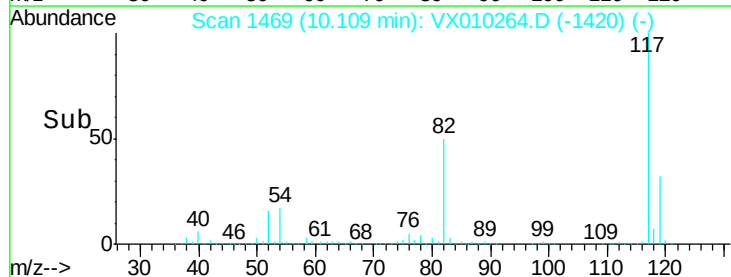
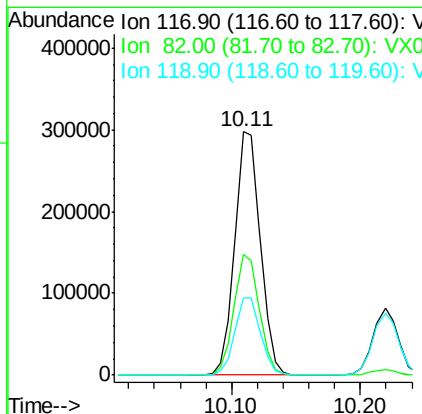
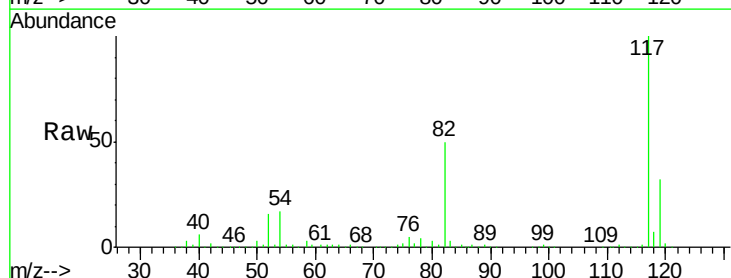
RT: 10.11 min Scan# 1469

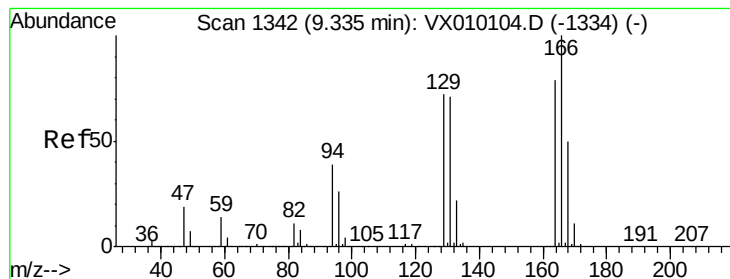
Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Tgt Ion	117	Resp	412785
Ion	Ratio	Lower	Upper
117	100		
82	49.6	49.2	73.8
119	31.9	25.2	37.8





#64

Tetrachloroethene

Concen: 44.672 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010264.D

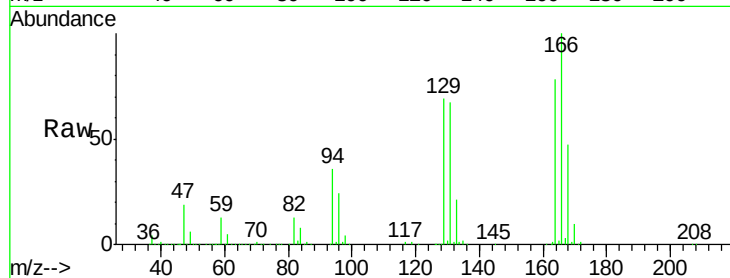
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

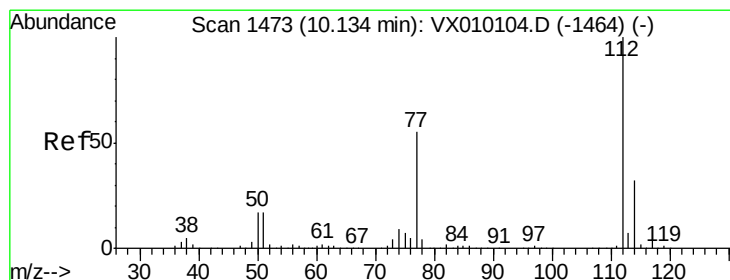
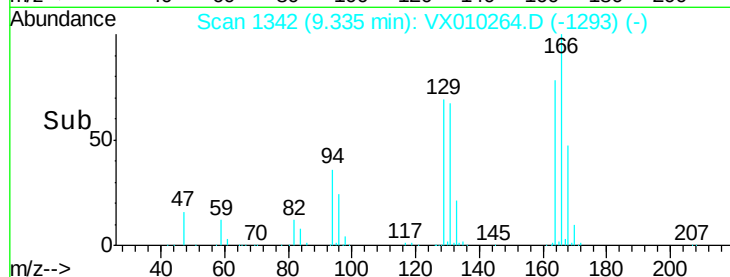
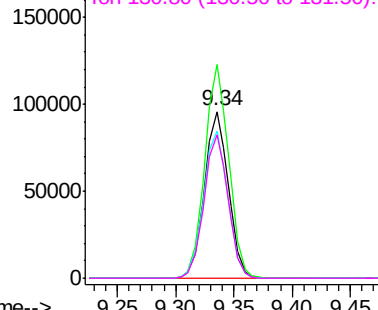
Tot Ion	164	Resp	136958
Ion Ratio	Lower	Upper	
164	100		
166	127.9	105.0	157.4
129	88.0	75.1	112.7
131	85.5	72.2	108.4

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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 73.214 ug/l

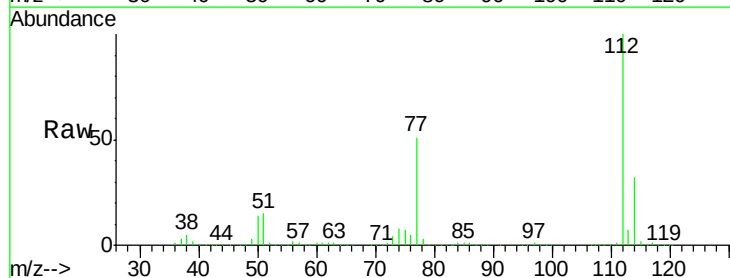
RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

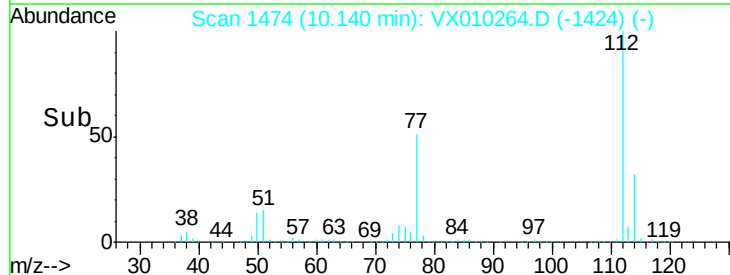
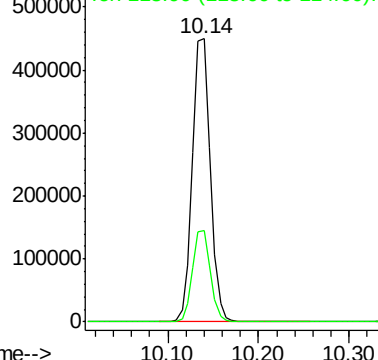
Lab File: VX010264.D

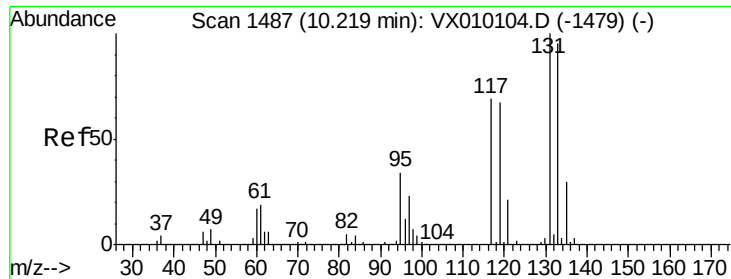
Acq: 12 Jun 2019 20:28

Tgt Ion	112	Resp	623750
Ion Ratio	Lower	Upper	
112	100		
114	32.2	25.8	38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





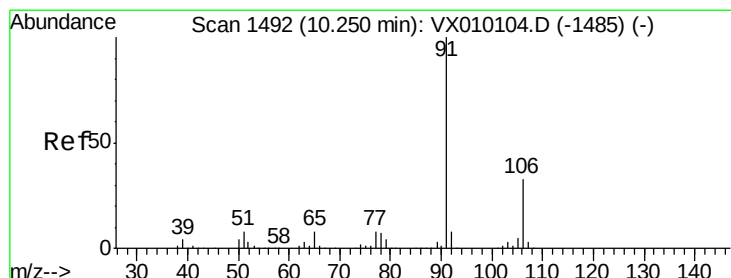
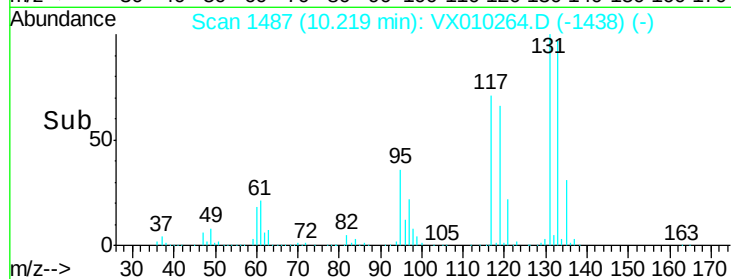
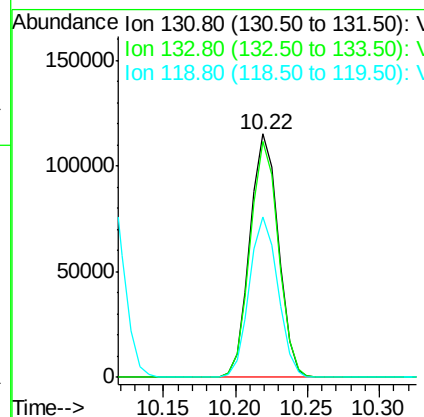
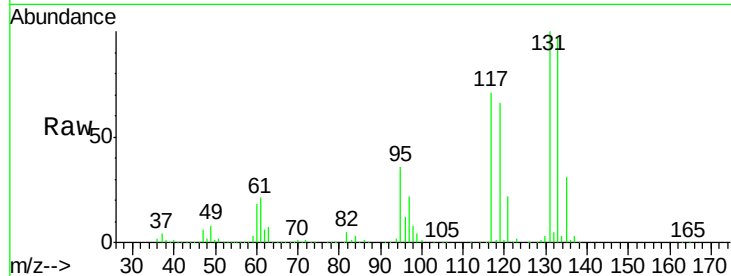
#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.122 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.5	142.6
119	66.1	33.4	100.1

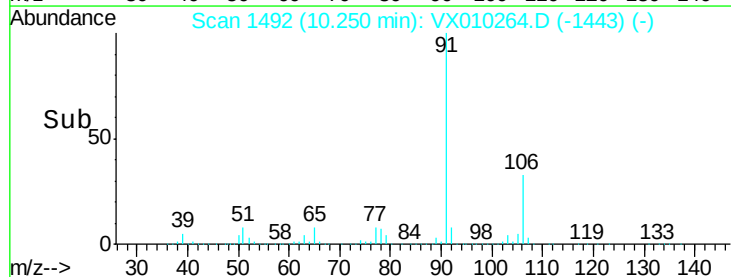
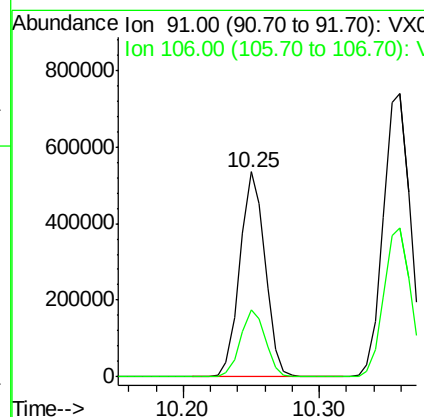
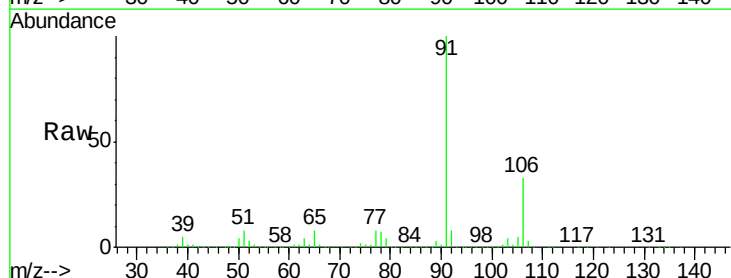
Manual Integrations
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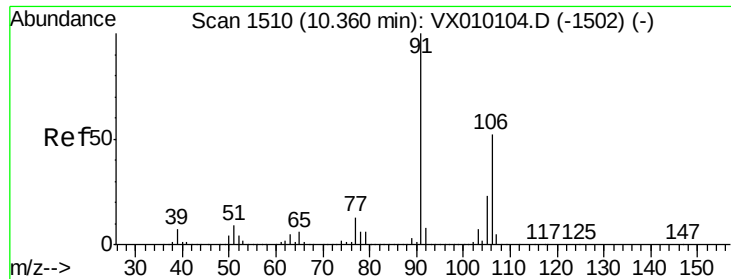
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#67
 Ethyl Benzene
 Concen: 47.494 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	23.9	35.9





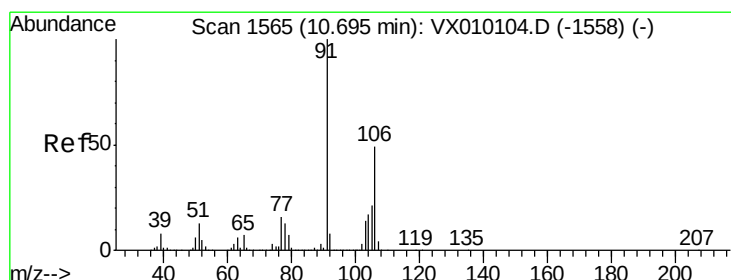
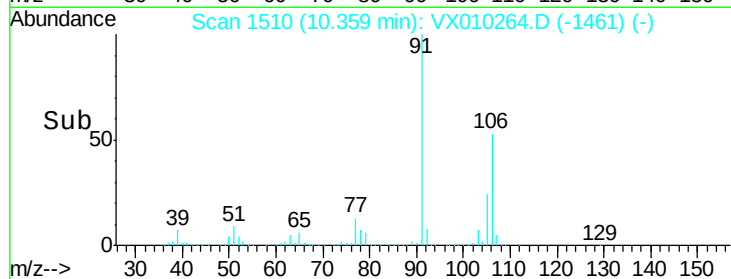
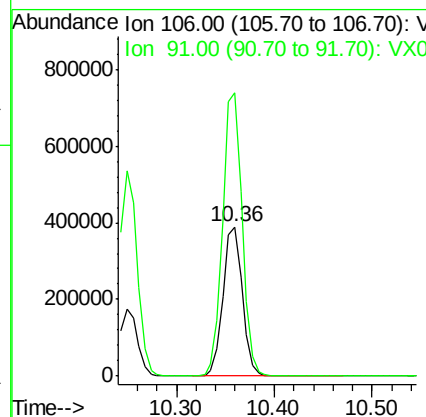
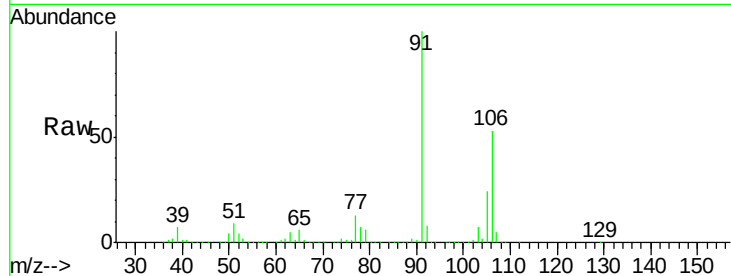
#68
m/p-Xylenes
Concen: 95.378 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion:106 Resp: 535295
Ion Ratio Lower Upper
106 100
91 191.0 167.3 250.9

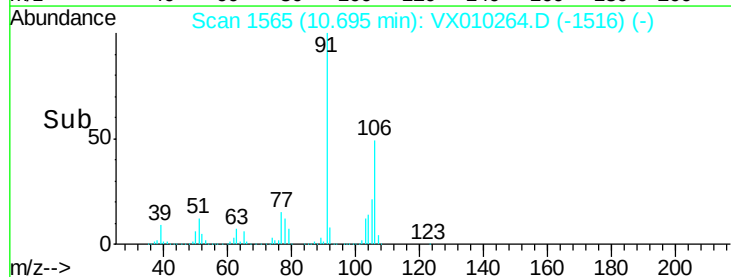
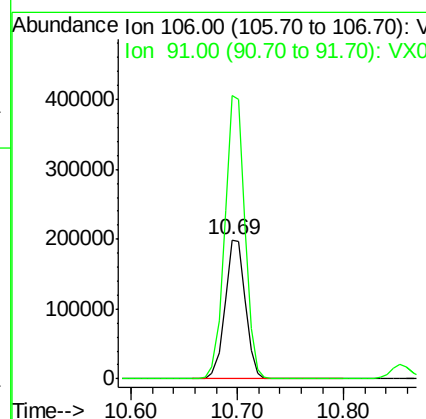
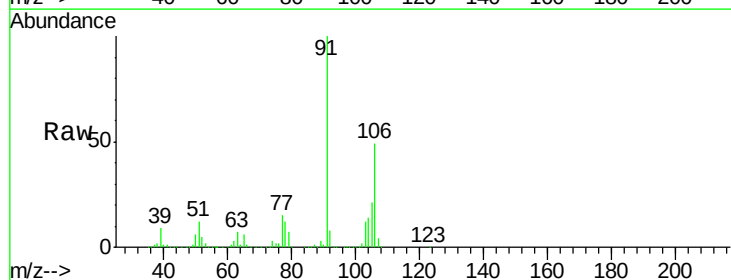
Manual Integrations
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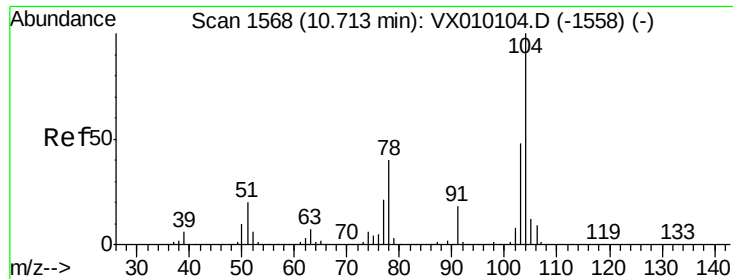
MMDadoda
6/13/2019 9:17:56 AM



#69
o-Xylene
Concen: 47.364 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion:106 Resp: 264239
Ion Ratio Lower Upper
106 100
91 202.1 110.4 331.2





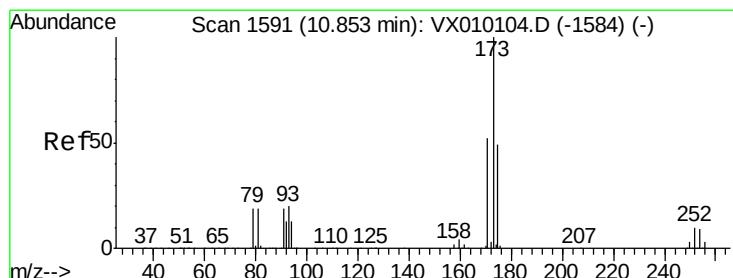
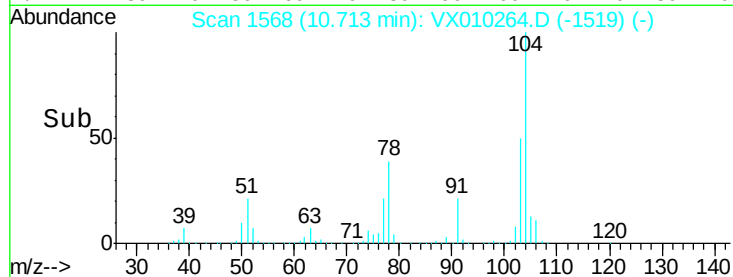
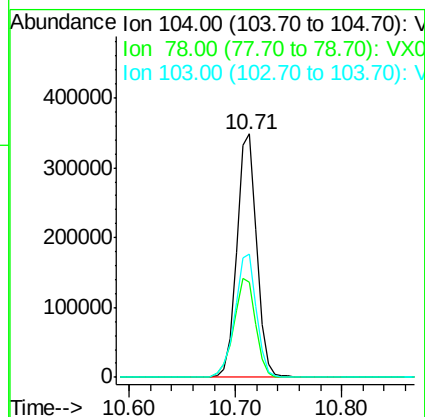
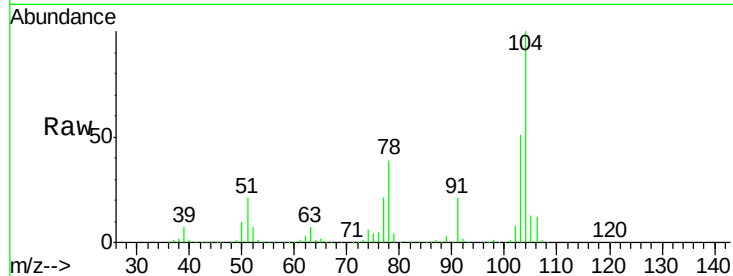
#70
Stvrene
Concen: 48.273 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	456121		
78	45.1		42.1	63.1
103	54.7		44.1	66.1

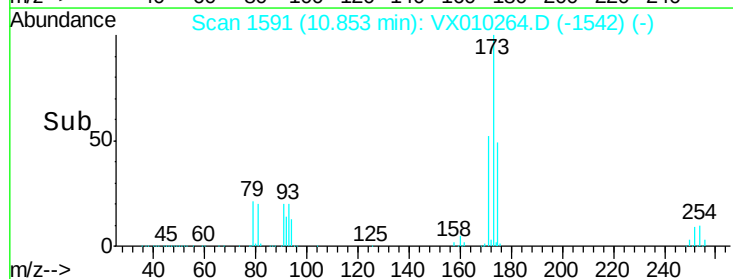
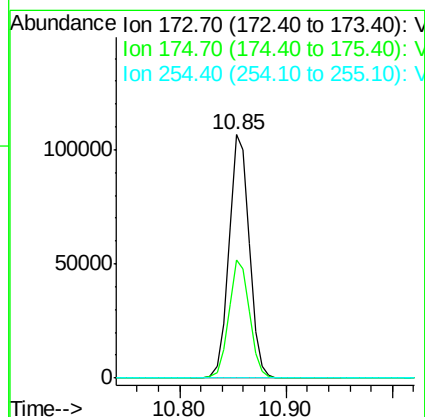
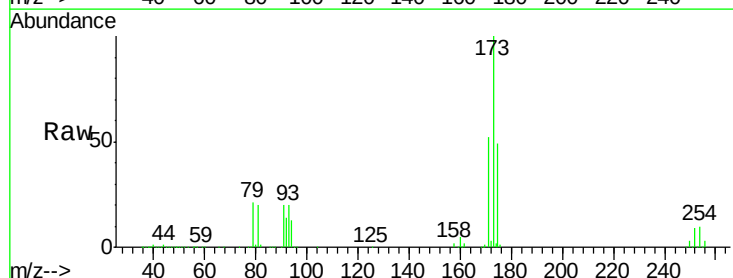
Manual Integrations
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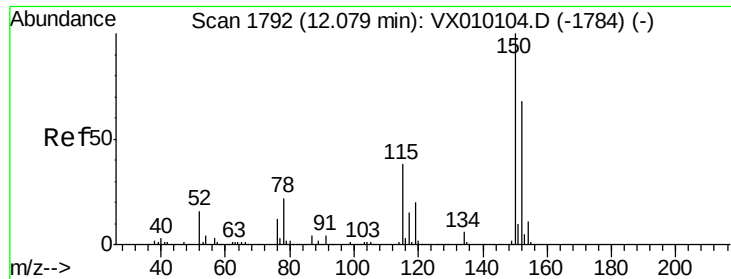
MMDadoda
6/13/2019 9:17:56 AM



#71
Bromoform
Concen: 47.342 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	142591		
175	48.8		25.0	75.0
254	0.2		0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

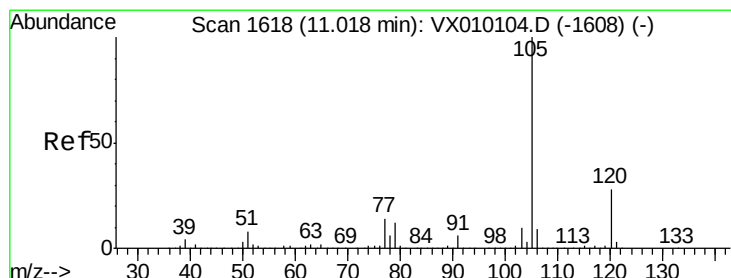
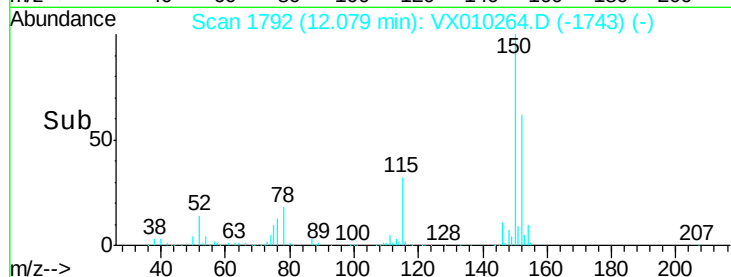
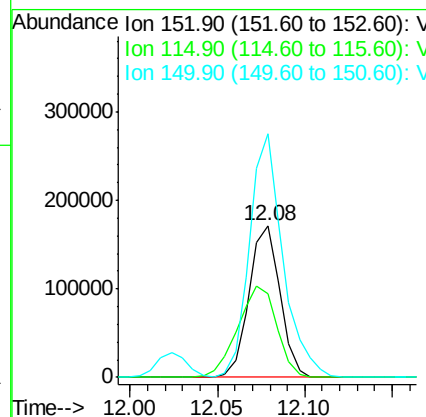
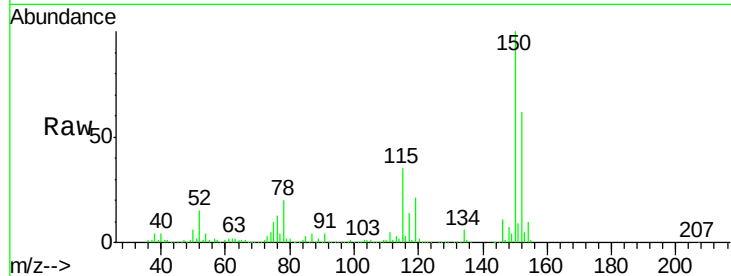
ClientSampleId :

SS043MW010-190611MSD

Tot Ion:	152	Resp:	210213
Ion Ratio	Lower	Upper	
152	100		
115	76.2	41.4	124.2
150	173.3	0.0	345.2

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#73

Isopropylbenzene

Concen: 46.923 ug/l

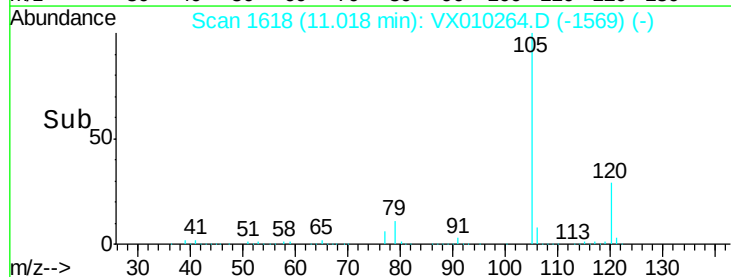
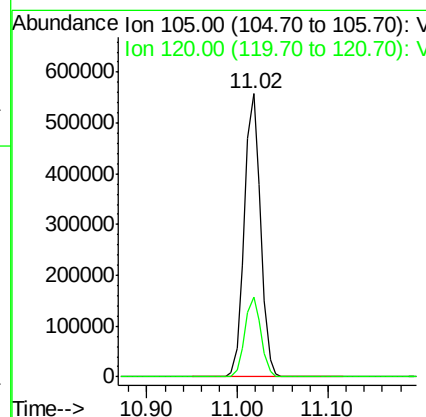
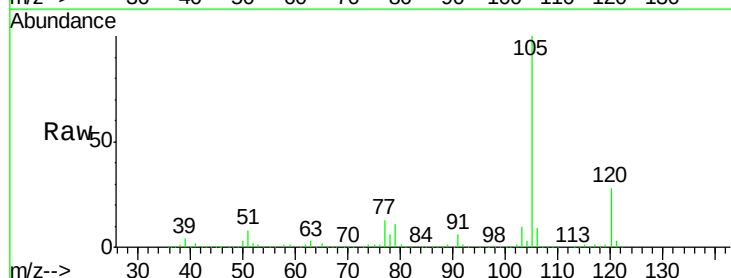
RT: 11.02 min Scan# 1618

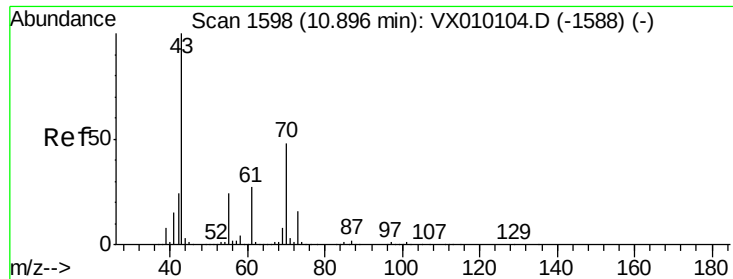
Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Tgt Ion:	105	Resp:	688556
Ion Ratio	Lower	Upper	
105	100		
120	28.0	12.8	38.4





#74

N-amyl acetate

Concen: 48.339 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

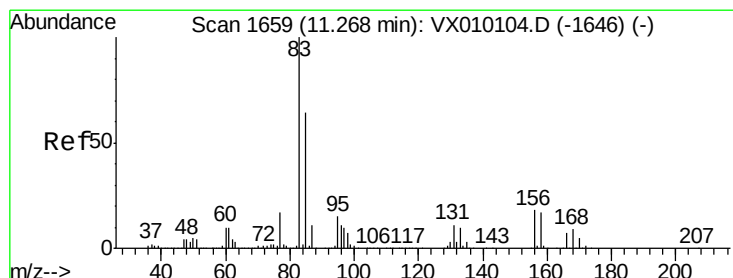
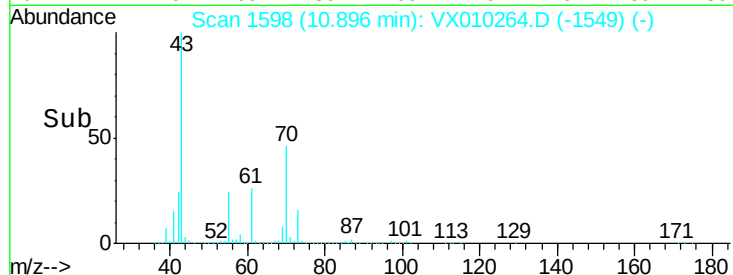
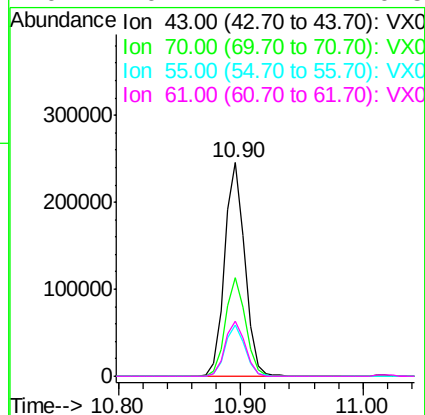
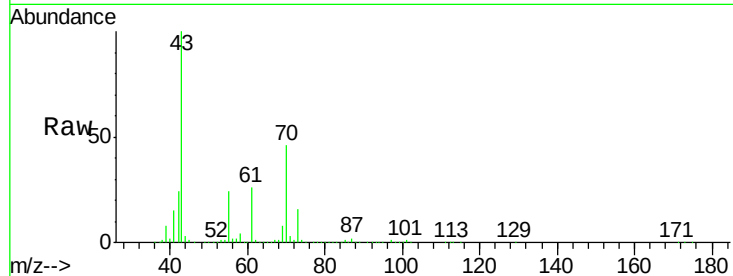
ClientSampleId :

SS043MW010-190611MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
70	46.2	28.6	43.0#		
55	23.8	17.8	26.8		
61	26.2	17.7	26.5		

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.815 ug/l

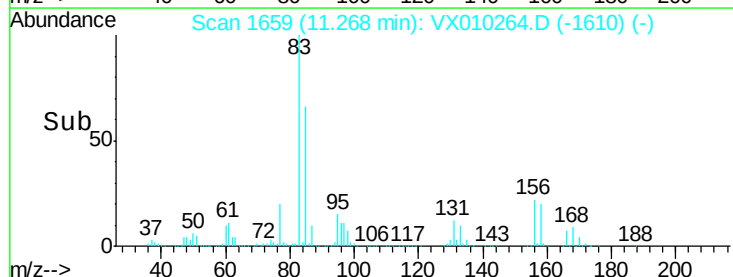
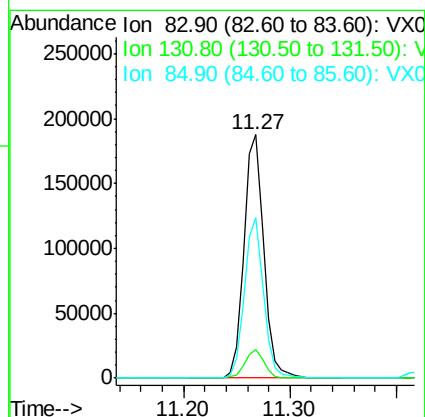
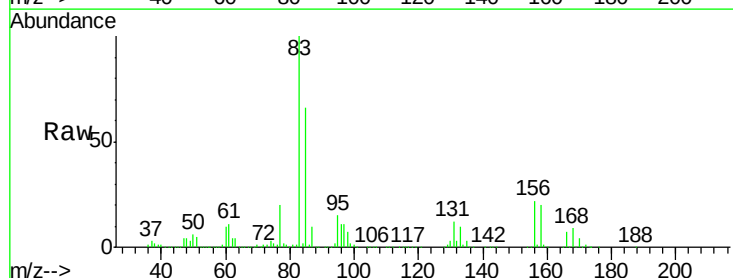
RT: 11.27 min Scan# 1659

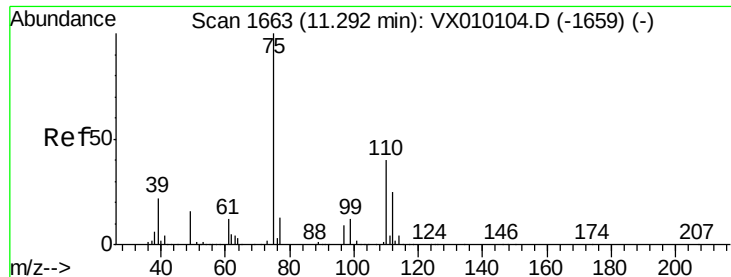
Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
131	11.1	4.7	14.1		
85	64.3	31.9	95.9		





#76

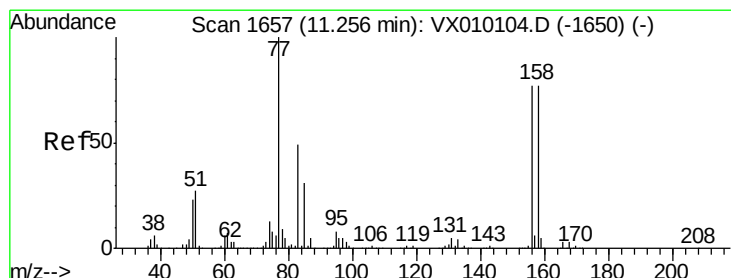
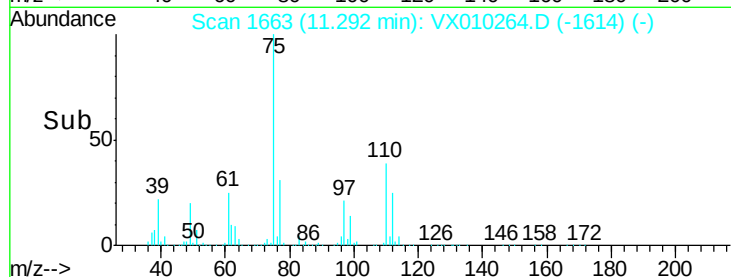
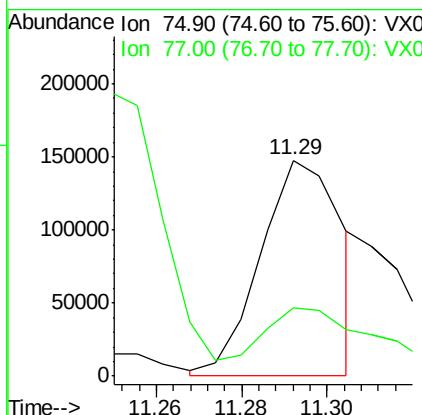
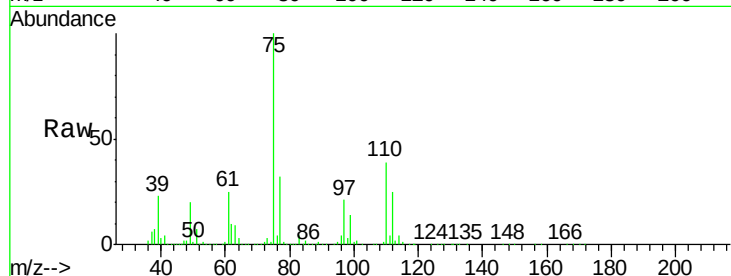
1,2,3-Trichloropropane
Concen: 46.195 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion: 75 Resp: 194233
Ion Ratio Lower Upper
75 100
77 45.1 22.1 66.1

Manual Integrations
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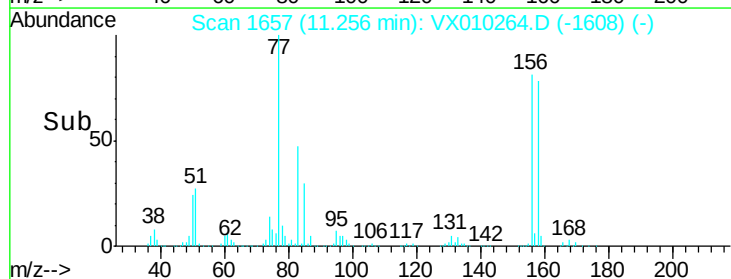
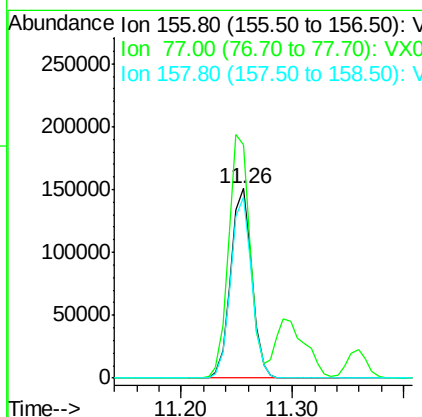
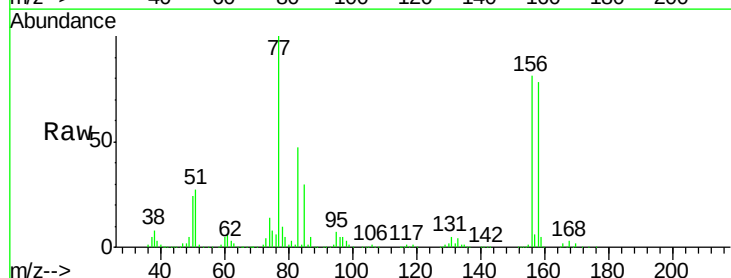
MMDadoda
6/13/2019 9:17:56 AM

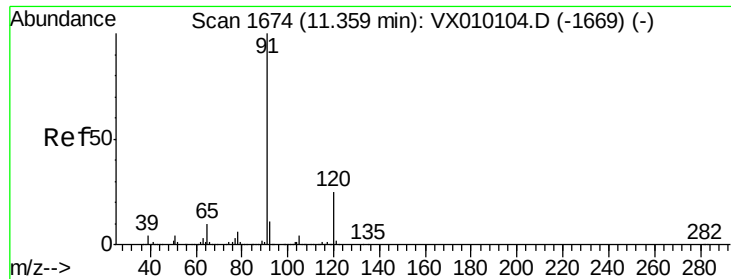


#77

Bromobenzene
Concen: 48.914 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion: 156 Resp: 197384
Ion Ratio Lower Upper
156 100
77 130.4 86.8 260.3
158 95.3 49.6 148.8





#78

n-propylbenzene

Concen: 47.085 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 91 Resp: 769205

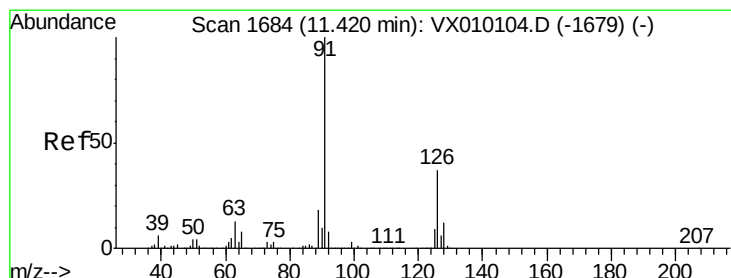
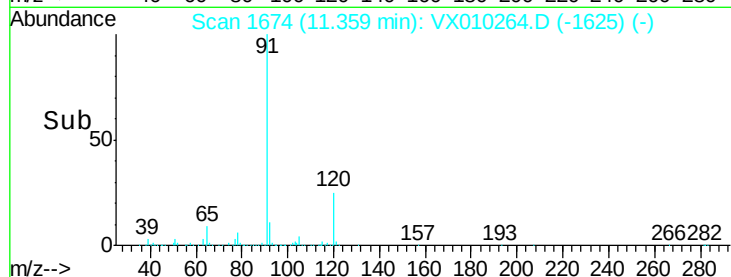
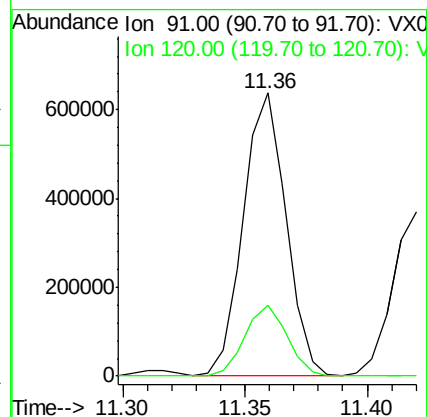
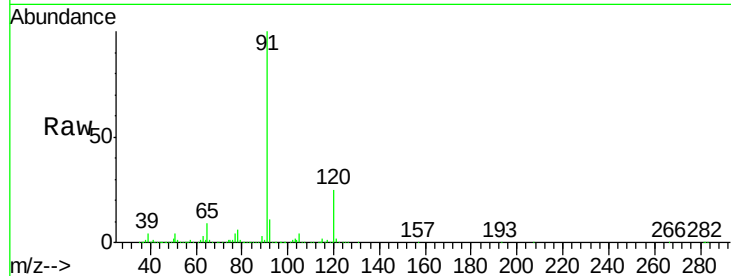
Ion Ratio Lower Upper

91 100

120 25.0 11.1 33.3

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6/13/2019 9:17:56 AM



#79

2-Chlorotoluene

Concen: 46.456 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010264.D

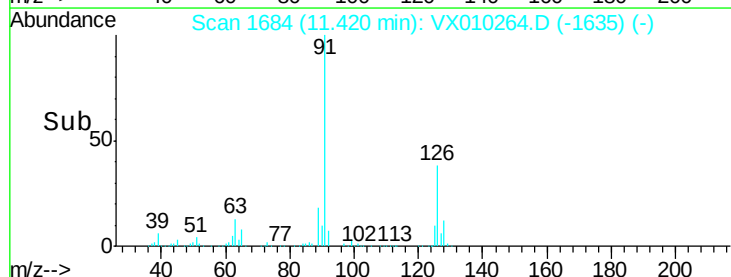
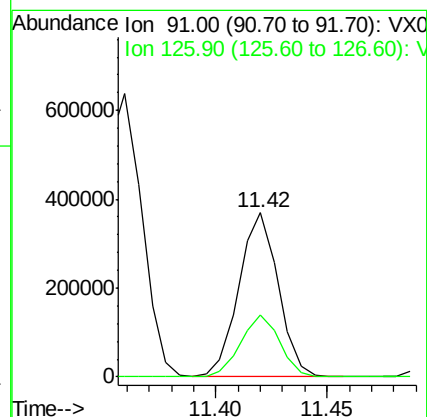
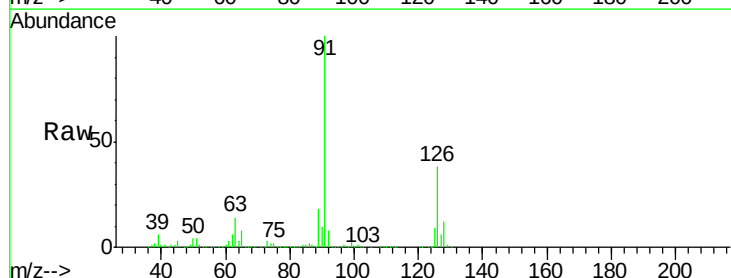
Acq: 12 Jun 2019 20:28

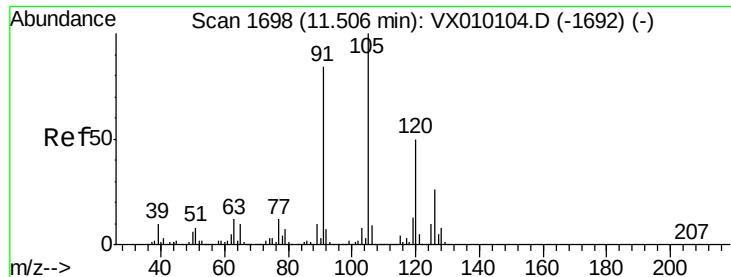
Tgt Ion: 91 Resp: 455813

Ion Ratio Lower Upper

91 100

126 37.6 16.1 48.3





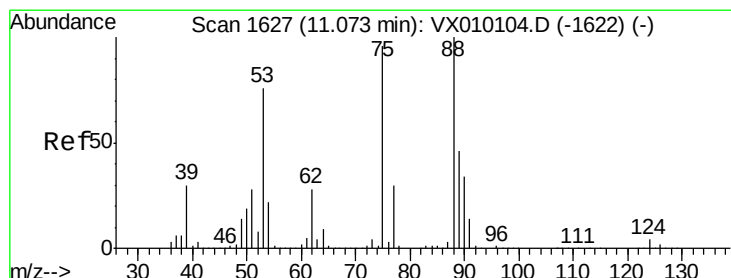
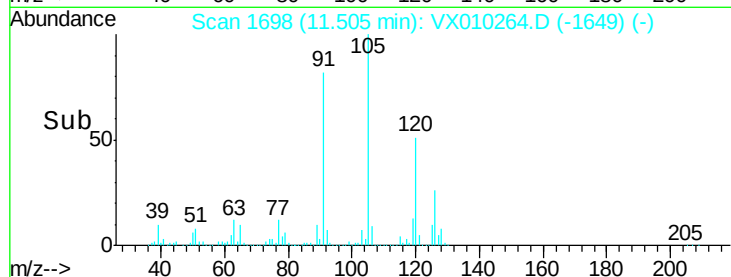
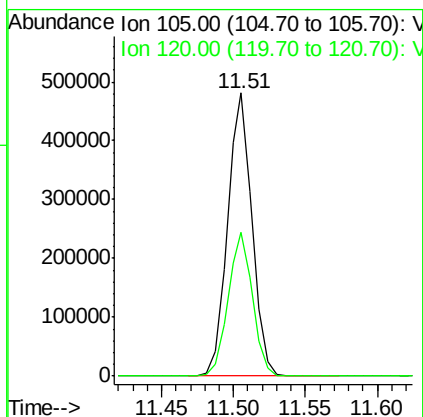
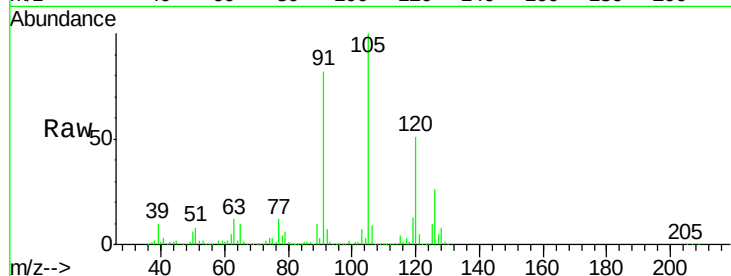
#80
 1,3,5-Trimethylbenzene
 Concen: 46.331 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MSD

Tot Ion: 105 Resp: 572630
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.1 72.3

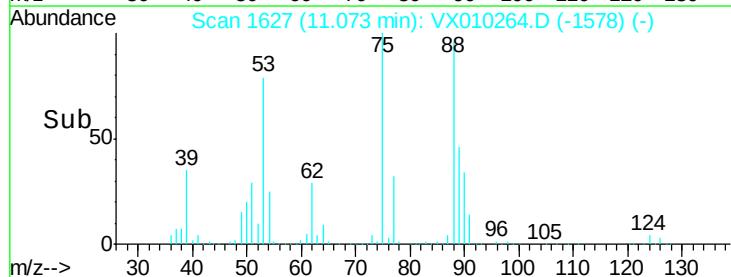
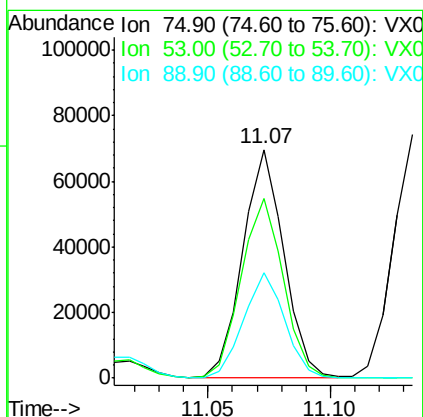
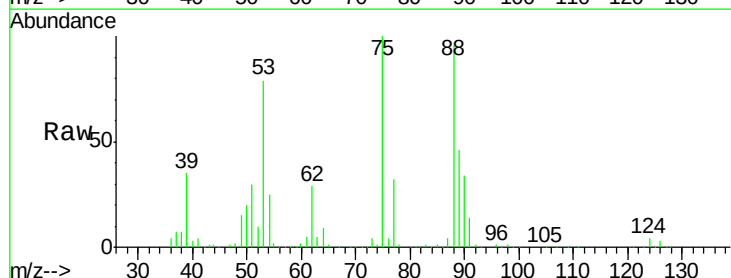
Manual Integrations
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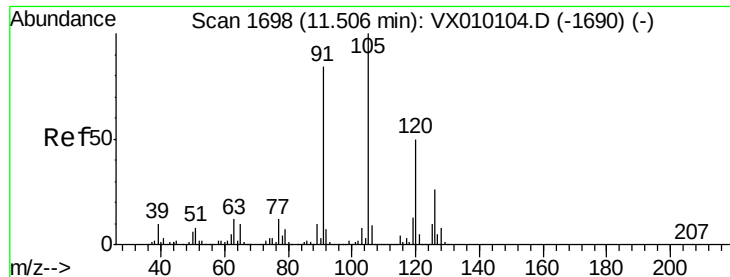
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 6/13/2019 9:17:56 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.642 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Tgt Ion: 75 Resp: 81151
 Ion Ratio Lower Upper
 75 100
 53 80.8 79.8 119.6
 89 46.4 34.2 51.4





#82

4-Chlorotoluene

Concen: 46.902 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

SS043MW010-190611MSD

Tot Ion: 91 Resp: 522757

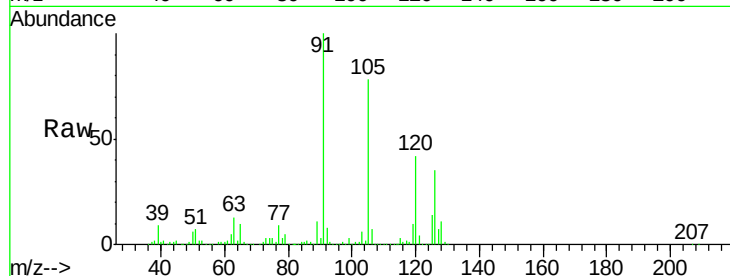
Ion Ratio Lower Upper

91 100

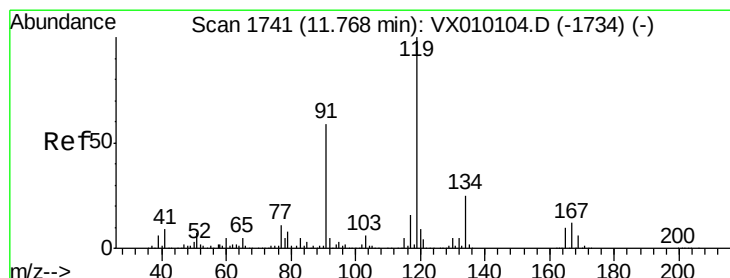
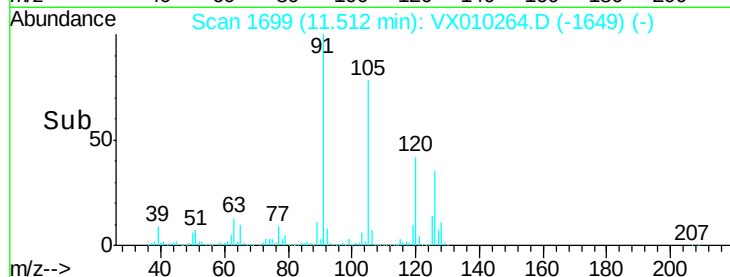
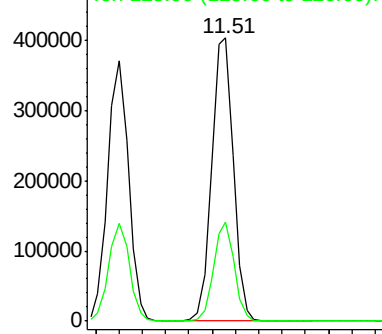
126 33.3 14.2 42.6

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Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1690) (-)



#83

tert-Butylbenzene

Concen: 47.272 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

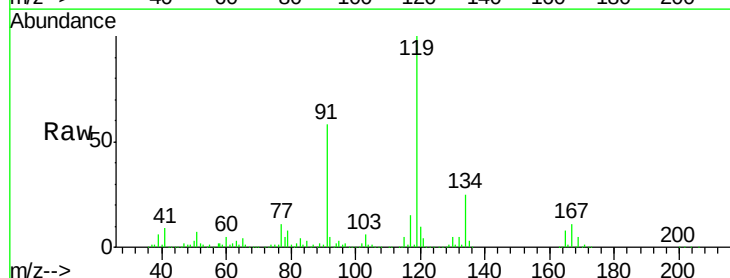
Tgt Ion: 119 Resp: 591364

Ion Ratio Lower Upper

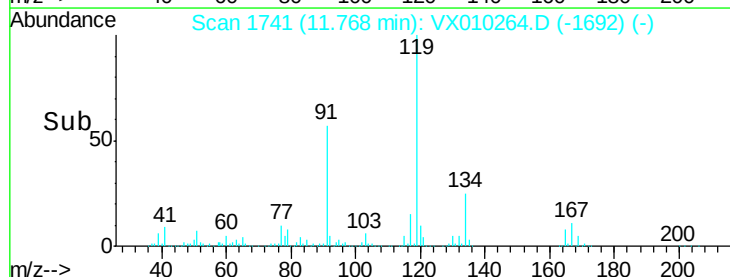
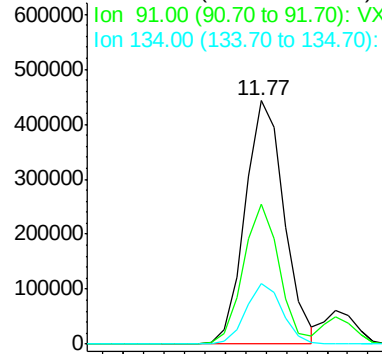
119 100

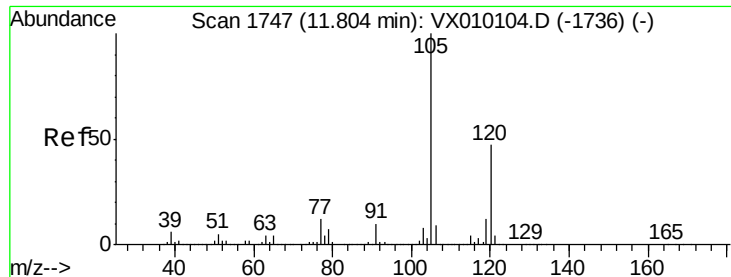
91 53.3 30.0 90.0

134 23.4 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): VX010104.D (-1734) (-)





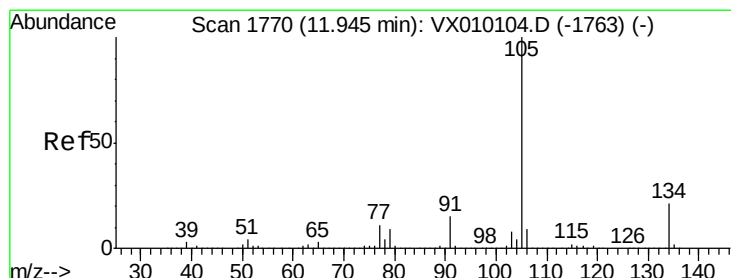
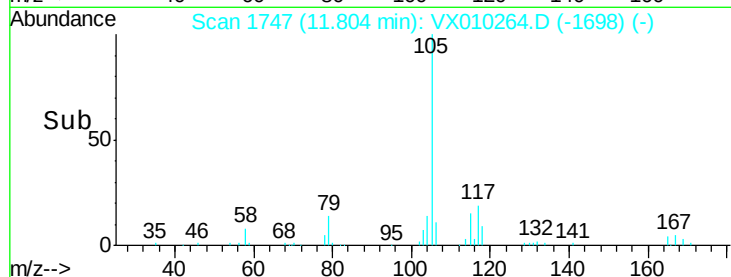
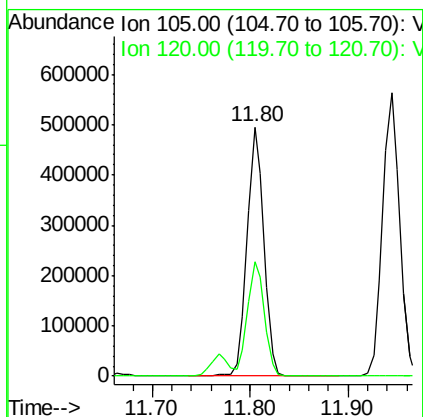
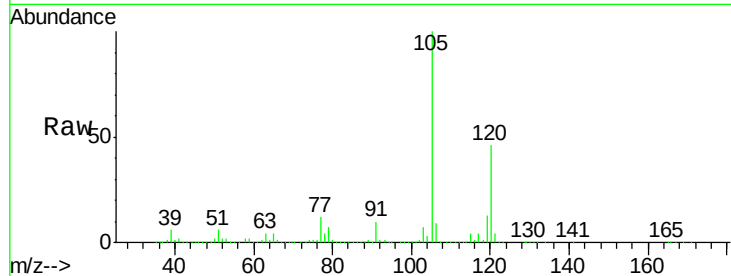
#84
1,2,4-Trimethylbenzene
Concen: 47.242 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion:105 Resp: 589791
Ion Ratio Lower Upper
105 100
120 45.9 22.1 66.1

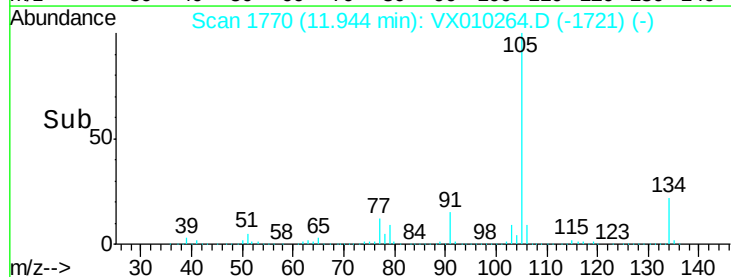
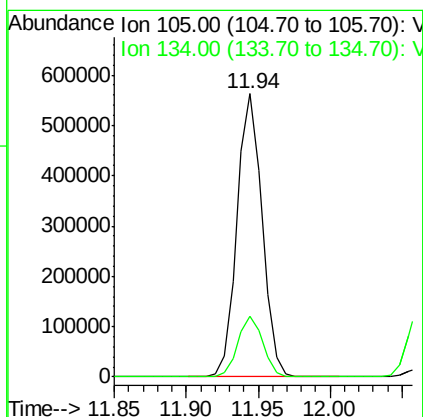
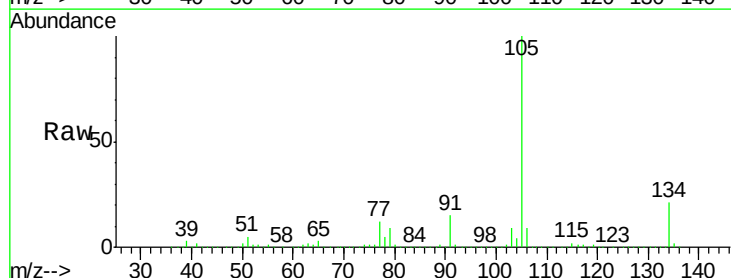
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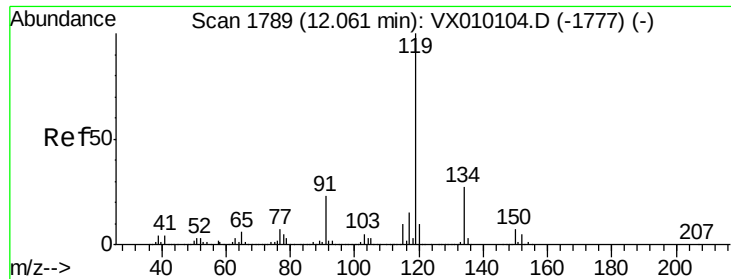
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#85
sec-Butylbenzene
Concen: 46.857 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion:105 Resp: 682905
Ion Ratio Lower Upper
105 100
134 21.4 9.7 28.9





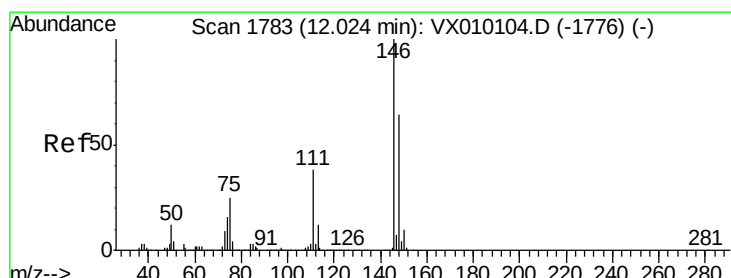
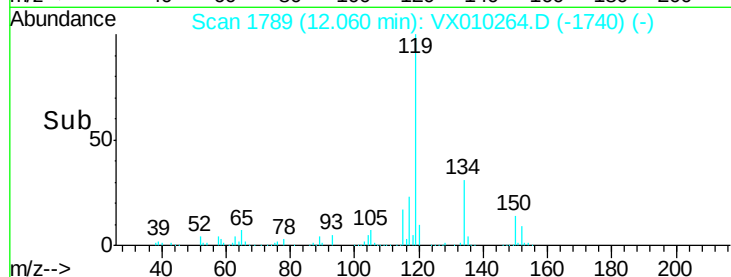
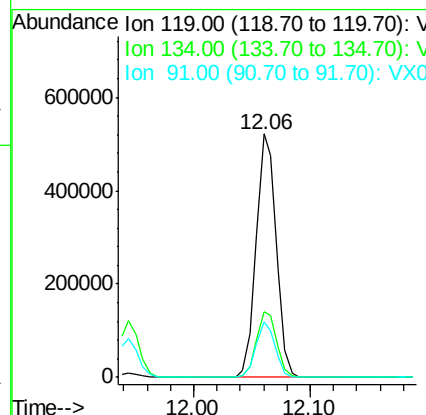
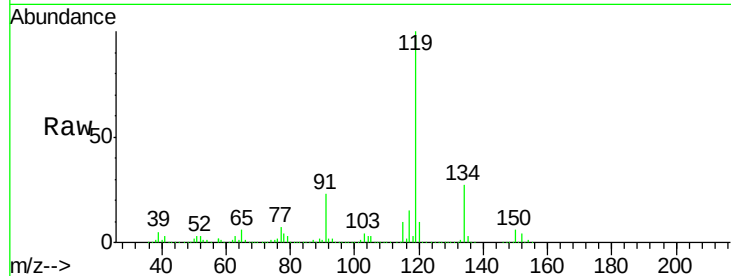
#86
 p-Isopropyltoluene
 Concen: 47.105 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	627606		
134	27.4		12.9	38.6
91	21.9		11.9	35.9

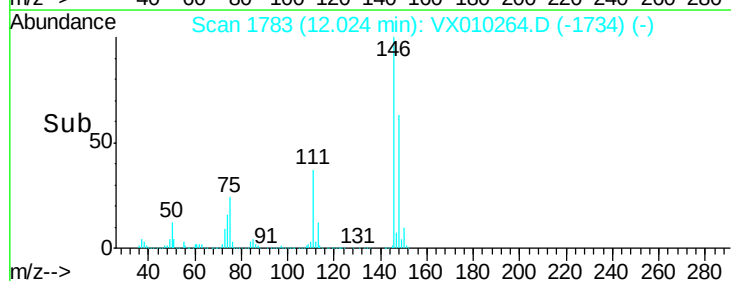
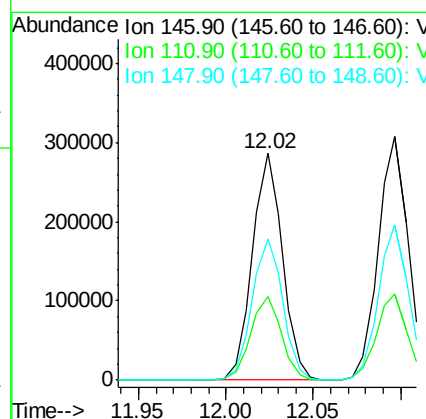
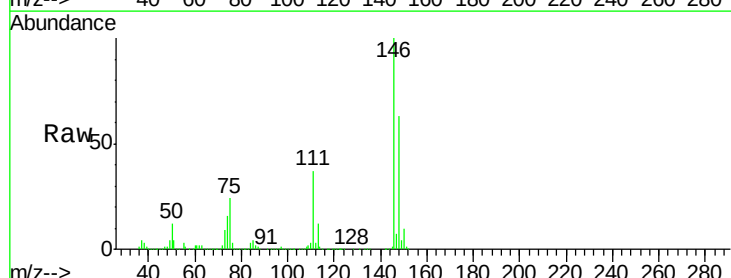
Manual Integrations
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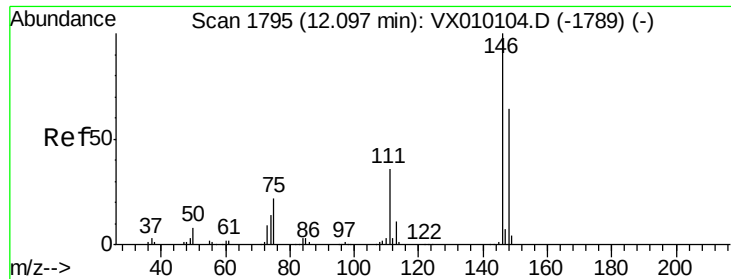
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 48.161 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	342323		
111	37.1		20.1	60.2
148	63.7		31.9	95.5





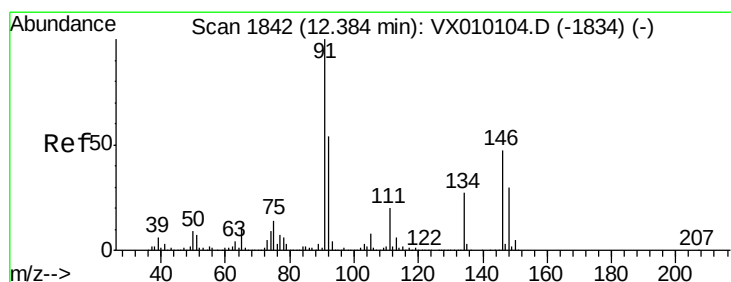
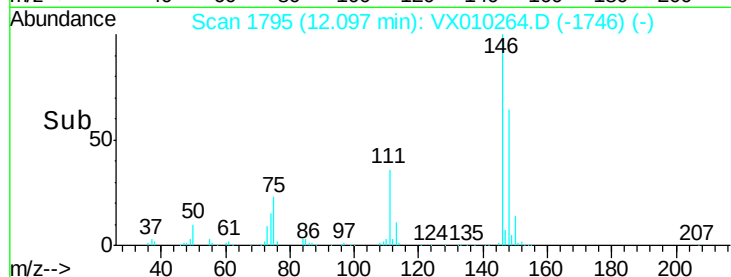
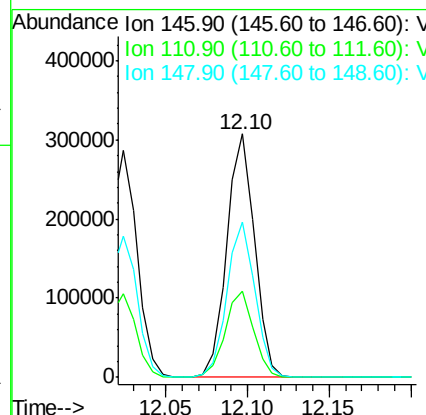
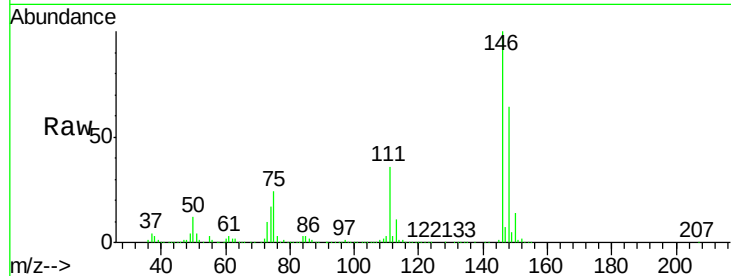
#88
 1,4-Dichlorobenzene
 Concen: 50.820 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Instrument :
 MSVOA_X
 ClientSampled :
 SS043MW010-190611MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	364139		
111	36.4	20.0	59.9	
148	64.3	32.3	96.9	

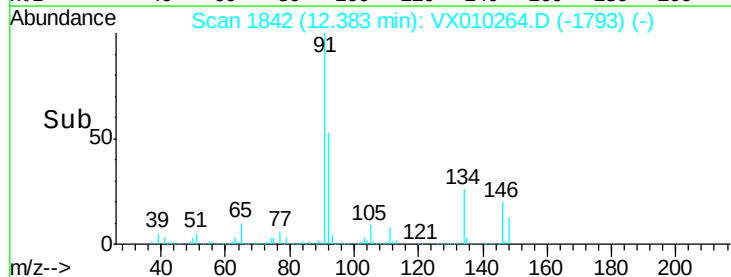
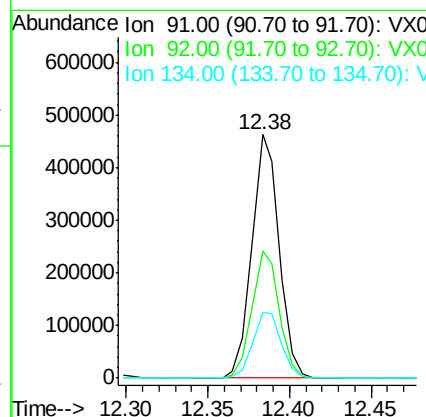
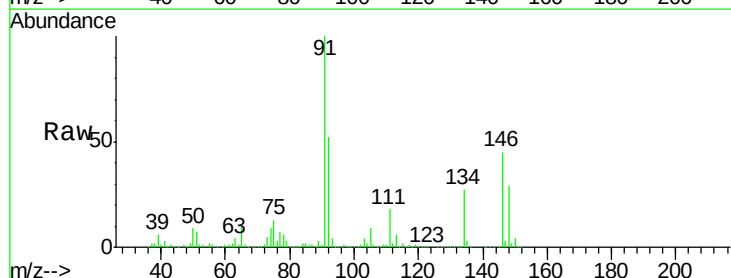
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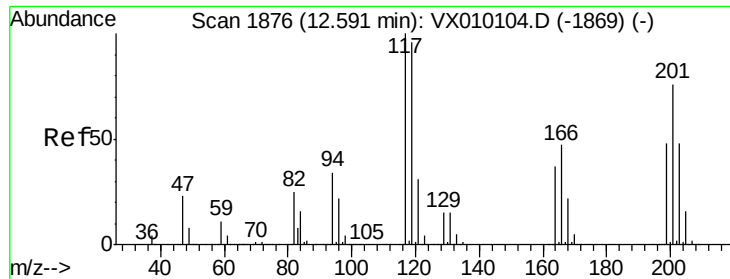
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 6/13/2019 9:17:56 AM



#89
 n-Butylbenzene
 Concen: 46.925 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	538171		
92	52.5	26.3	78.8	
134	28.2	12.3	36.8	





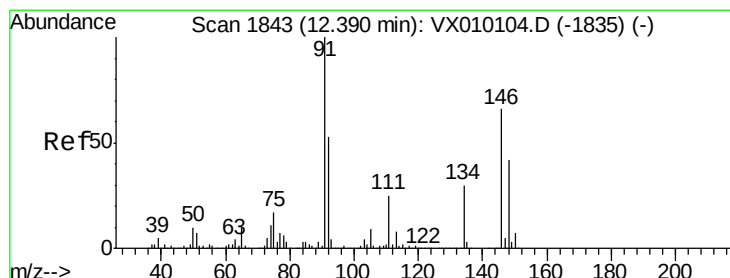
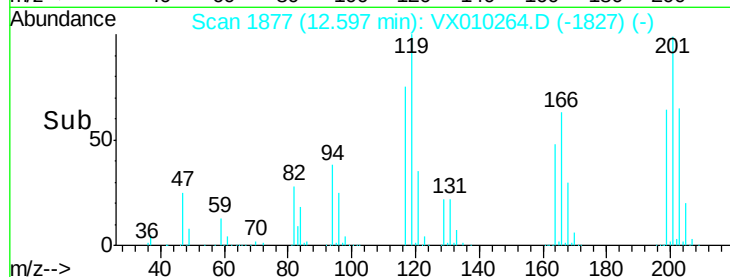
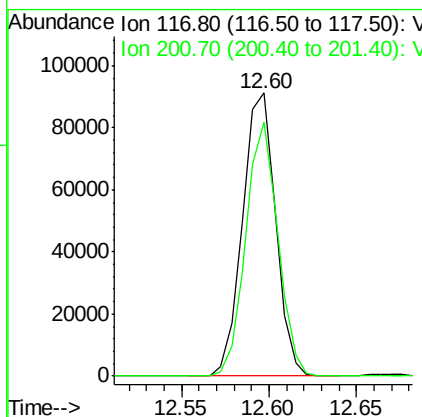
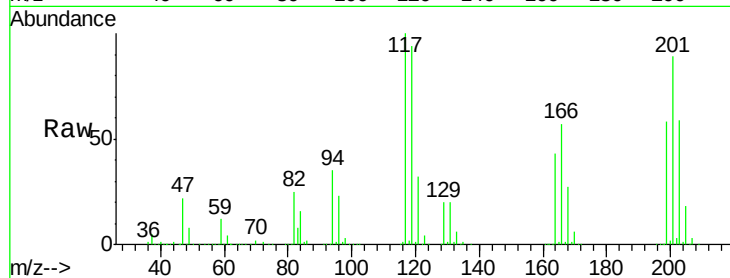
#90
Hexachloroethane
Concen: 45.253 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	120108		
201	86.6	43.6	130.9	

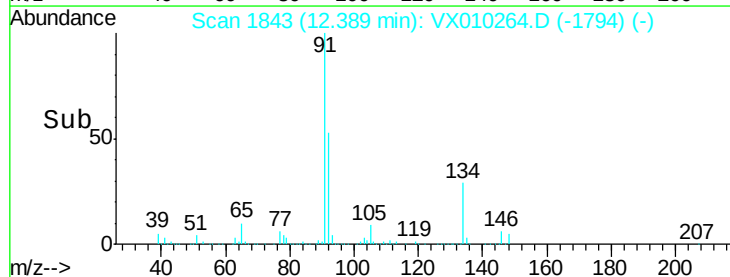
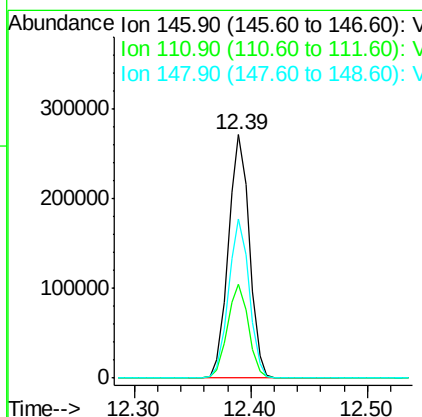
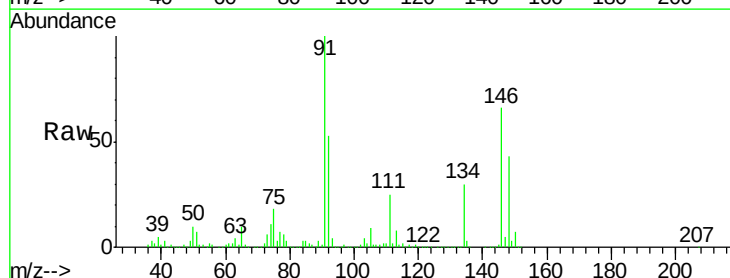
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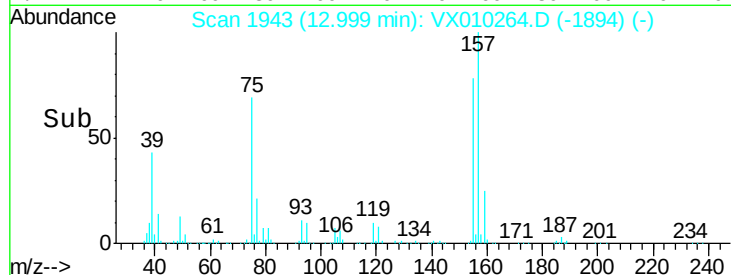
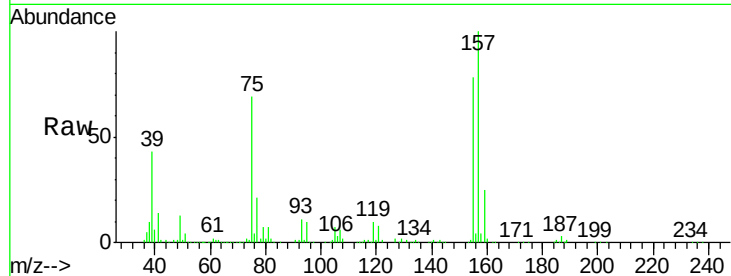
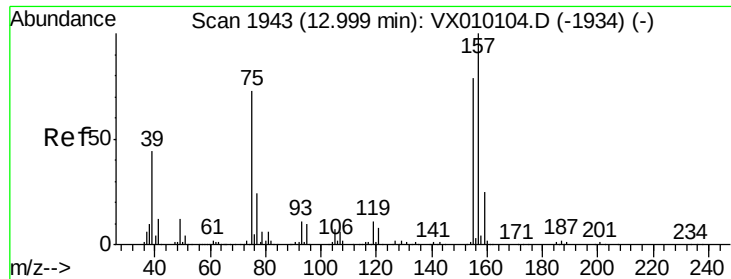
MMDadoda
6/13/2019 9:17:56 AM



#91
1,2-Dichlorobenzene
Concen: 49.214 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	340079		
111	38.4	21.1	63.1	
148	64.4	32.3	96.8	





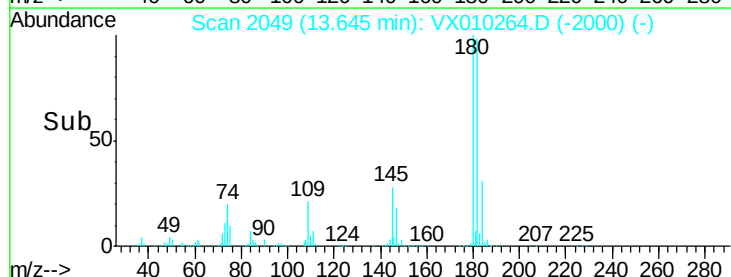
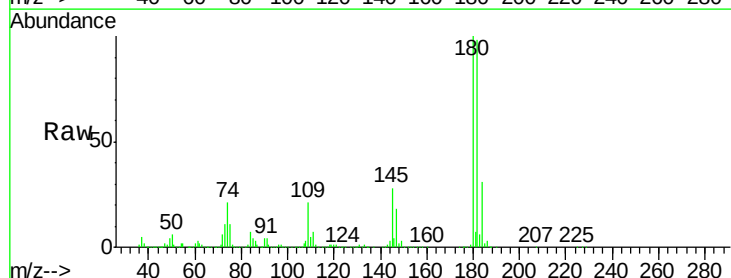
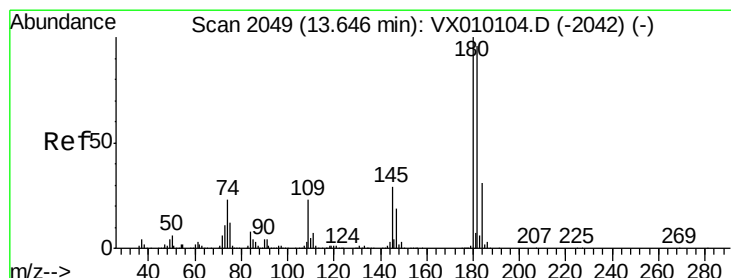
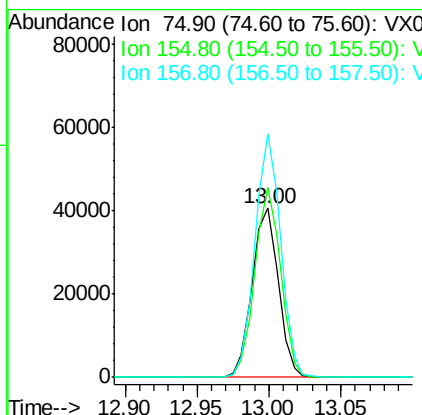
#92
1,2-Dibromo-3-Chloropropane
Concen: 43.353 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
SS043MW010-190611MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	109.5	39.3	117.8
157	139.5	50.6	151.8

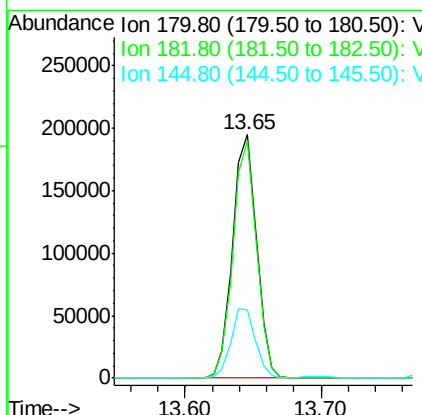
Manual Integrations
APPROVED

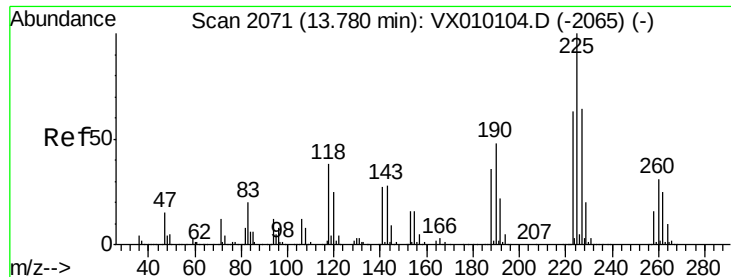
MMDadoda
6/13/2019 9:17:56 AM



#93
1,2,4-Trichlorobenzene
Concen: 47.410 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010264.D
Acq: 12 Jun 2019 20:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.2
145	29.3	14.5	43.5





#94

Hexachlorobutadiene

Concen: 48.378 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Instrument :

MSVOA_X

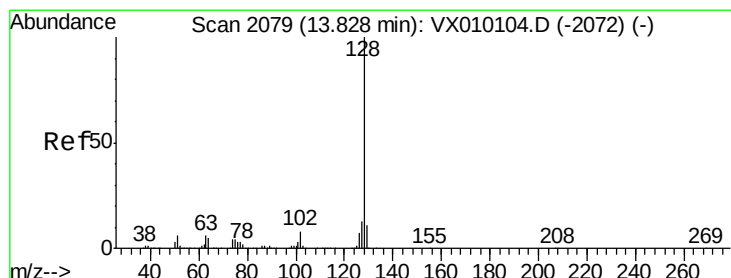
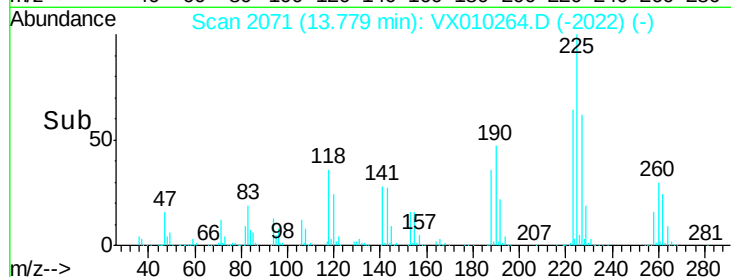
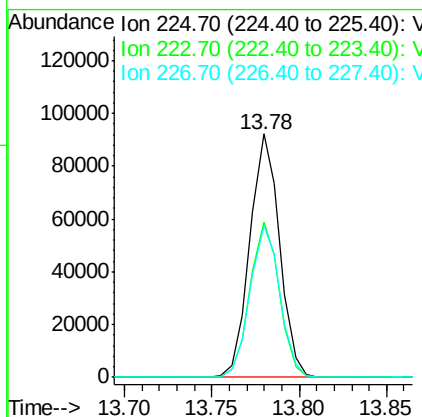
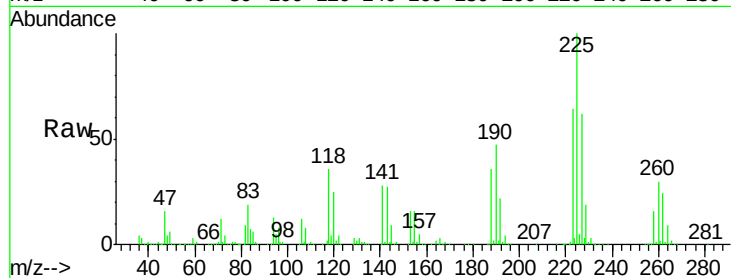
ClientSampleId :

SS043MW010-190611MSD

Tot Ion:	225	Resp:	108829
Ion Ratio		Lower	Upper
225	100		
223	63.1	31.3	93.8
227	62.8	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:17:56 AM



#95

Naphthalene

Concen: 48.497 ug/l

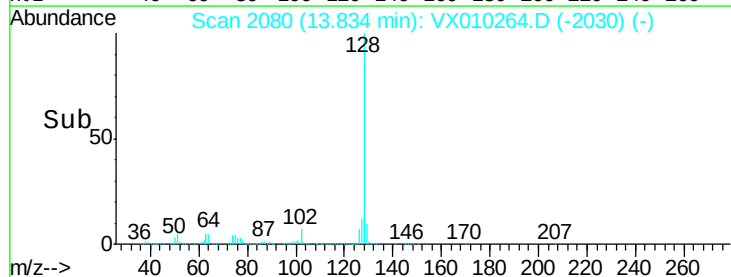
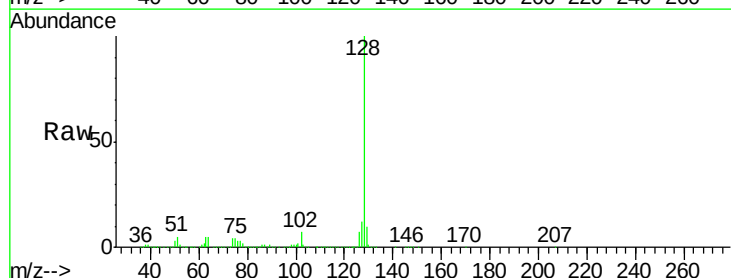
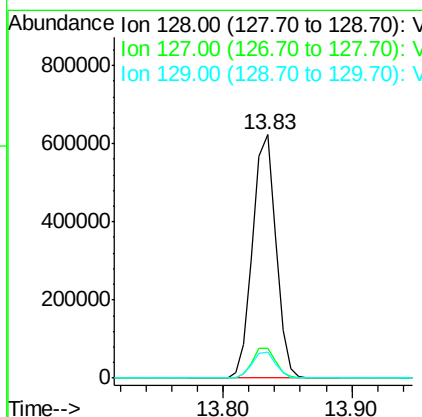
RT: 13.83 min Scan# 2080

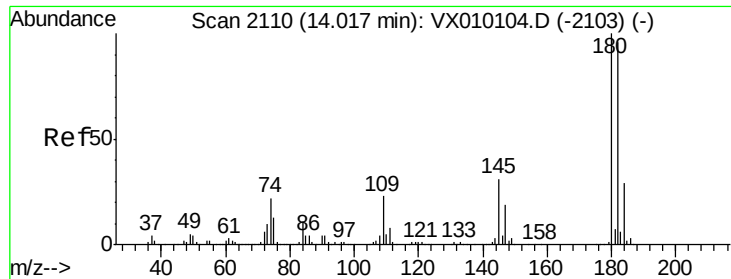
Delta R.T. 0.01 min

Lab File: VX010264.D

Acq: 12 Jun 2019 20:28

Tgt Ion:	128	Resp:	772209
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.9	8.8	13.2





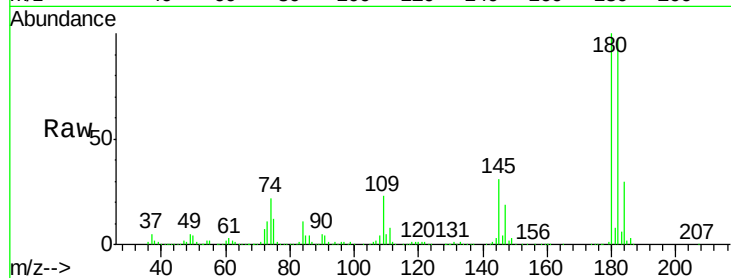
#96
 1,2,3-Trichlorobenzene
 Concen: 47.661 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX010264.D
 Acq: 12 Jun 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW010-190611MSD

Tot Ion:	180	Resp:	238365
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.3	142.0
145	31.6	15.6	46.7

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:17:56 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

