

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021919\
 Data File : VX007617.D
 Acq On : 19 Feb 2019 16:57
 Operator : JC/SP
 Sample : K1528-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MSD

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 10:34:59 AM

Quant Time: Feb 20 07:38:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	596154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	888936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	822041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	434877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	338765	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
35) Dibromofluoromethane	5.51	113	284166	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	8.72	98	1085460	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	404703	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	307128	41.953	ug/l	99
3) Chloromethane	1.32	50	336175	50.065	ug/l	100
4) Vinyl Chloride	1.40	62	395722	60.072	ug/l	99
5) Bromomethane	1.64	94	19728	2.563	ug/l	98
6) Chloroethane	1.71	64	188122	44.146	ug/l	98
7) Trichlorofluoromethane	1.93	101	448253	43.498	ug/l	98
8) Diethyl Ether	2.19	74	183412	47.288	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	268602	43.819	ug/l	98
10) Methyl Iodide	2.51	142	19020	2.109	ug/l #	93
11) Tert butyl alcohol	3.07	59	288807	220.544	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	254295	44.675	ug/l	97
13) Acrolein	2.26	56	751246	1223.389	ug/l #	1
14) Allyl chloride	2.73	41	326702	35.226	ug/l	95
15) Acrylonitrile	3.15	53	871810	269.120	ug/l	88
16) Acetone	2.45	43	756326	260.933	ug/l	98
17) Carbon Disulfide	2.57	76	590005	40.079	ug/l	99
18) Methyl Acetate	2.78	43	674201	88.806	ug/l #	85
19) Methyl tert-butyl Ether	3.20	73	772238	41.877	ug/l #	1
20) Methylene Chloride	2.85	84	275168	46.449	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	233389	38.491	ug/l	95
22) Diisopropyl ether	3.87	45	882698	51.741	ug/l	96
23) Vinyl Acetate	3.82	43	3766775	266.078	ug/l	98
24) 1,1-Dichloroethane	3.70	63	399169	40.744	ug/l	99
25) 2-Butanone	4.70	43	1153952	279.747	ug/l	96
26) 2,2-Dichloropropane	4.59	77	342202	45.865	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	311444	47.026	ug/l	96
28) Bromochloromethane	5.02	49	217320	48.236	ug/l	93
29) Tetrahydrofuran	5.15	42	711556	274.273	ug/l	98
30) Chloroform	5.22	83	533897	52.224	ug/l	94
31) Cyclohexane	5.58	56	3914312	444.853	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	438018	50.759	ug/l	99
36) 1,1-Dichloropropene	5.80	75	356106	44.648	ug/l	96
37) Ethyl Acetate	4.85	43	416092	51.608	ug/l	98
38) Carbon Tetrachloride	5.79	117	367327	47.471	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	2175623	225.453	ug/l	94
40) Benzene	6.14	78	1061566	45.183	ug/l	99
41) Methacrylonitrile	5.06	41	259649	60.088	ug/l #	57
42) 1,2-Dichloroethane	6.20	62	398754	49.053	ug/l	90
43) Isopropyl Acetate	6.46	43	738586	59.349	ug/l	96
44) Trichloroethene	7.21	130	318148	44.961	ug/l	96
45) 1,2-Dichloropropane	7.51	63	291063	49.445	ug/l	99
46) Dibromomethane	7.66	93	198996	46.511	ug/l	93
47) Bromodichloromethane	7.90	83	368128	50.770	ug/l	99
48) Methyl methacrylate	7.77	41	346894	55.728	ug/l	96
49) 1,4-Dioxane	7.75	88	126363	893.359	ug/l #	91
51) 4-Methyl-2-Pentanone	8.66	43	2230502	272.263	ug/l	100
52) Toluene	8.79	92	24433642m	1611.884	ug/l	
53) t-1,3-Dichloropropene	9.04	75	237093	30.441	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	73467	8.577	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	302784	47.919	ug/l	98
56) Ethyl methacrylate	9.18	69	511467	58.444	ug/l	93
57) 1,3-Dichloropropane	9.37	76	502228	49.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1233039	267.312	ug/l	99
59) 2-Hexanone	9.49	43	1705006	267.448	ug/l	100
60) Dibromochloromethane	9.59	129	327970	54.881	ug/l	98
61) 1,2-Dibromoethane	9.67	107	328849	49.144	ug/l	98
64) Tetrachloroethene	9.34	164	323285	41.725	ug/l	99
65) Chlorobenzene	10.14	112	811328	45.228	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	301222	50.085	ug/l	100
67) Ethyl Benzene	10.25	91	22677962m	785.036	ug/l	
68) m/p-Xylenes	10.36	106	22245572m	1937.215	ug/l	
69) o-Xylene	10.71	106	10423120	943.289	ug/l	63
70) Styrene	10.71	104	1570628	87.646	ug/l #	1
71) Bromoform	10.86	173	250328	47.661	ug/l	99
73) Isopropylbenzene	11.02	105	4689083	158.671	ug/l	99
74) N-amyl acetate	10.90	43	633674	55.437	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	452388	50.230	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	412743	48.794	ug/l #	30
77) Bromobenzene	11.26	156	379498	45.577	ug/l	96
78) n-propylbenzene	11.36	91	10499712	324.006	ug/l	98
79) 2-Chlorotoluene	11.44	91	5133625m	261.078	ug/l	
80) 1,3,5-Trimethylbenzene	11.51	105	11037746	456.533	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	3257m	5.318	ug/l	
82) 4-Chlorotoluene	11.51	91	2321303	102.025	ug/l #	70
83) tert-Butylbenzene	11.77	119	1180586	49.321	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	16844657m	686.259	ug/l	
85) sec-Butylbenzene	11.94	105	1713052	59.129	ug/l	94
86) p-Isopropyltoluene	12.07	119	1429185	54.648	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	683952	45.770	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	683200	45.064	ug/l	98
89) n-Butylbenzene	12.39	91	2301478	102.300	ug/l #	60
90) Hexachloroethane	12.59	117	563087	143.864	ug/l #	38
91) 1,2-Dichlorobenzene	12.39	146	671338	45.143	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	136760	73.029	ug/l	72

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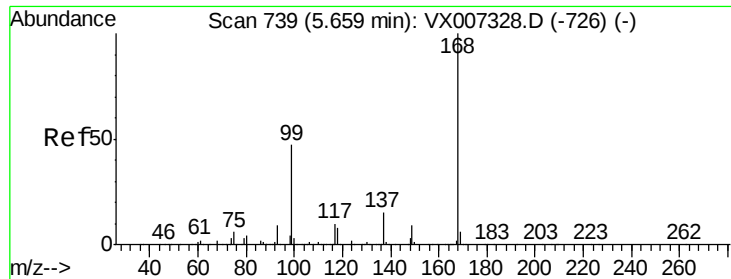
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	504868	50.340	ug/l	96
94) Hexachlorobutadiene	13.79	225	213926	43.928	ug/l	99
95) Naphthalene	13.83	128	14305382	487.767	ug/l #	85
96) 1,2,3-Trichlorobenzene	14.02	180	492804	48.815	ug/l	97

(#) = 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. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion:168 Resp: 596154

Ion Ratio Lower Upper

168 100

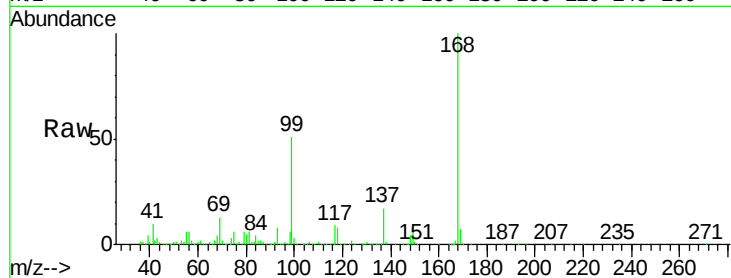
99 50.9 37.9 56.9

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

250000

200000

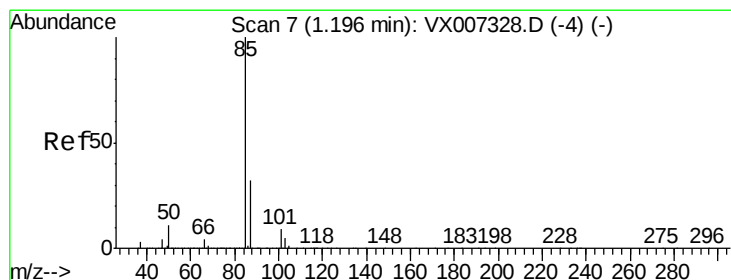
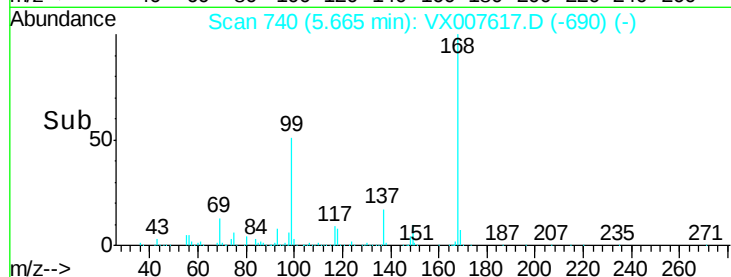
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.953 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007617.D

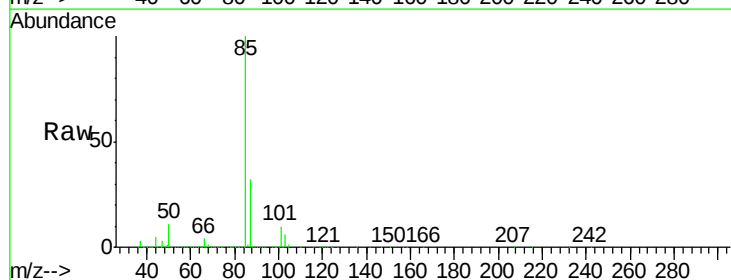
Acq: 19 Feb 2019 16:57

Tgt Ion: 85 Resp: 307128

Ion Ratio Lower Upper

85 100

87 32.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

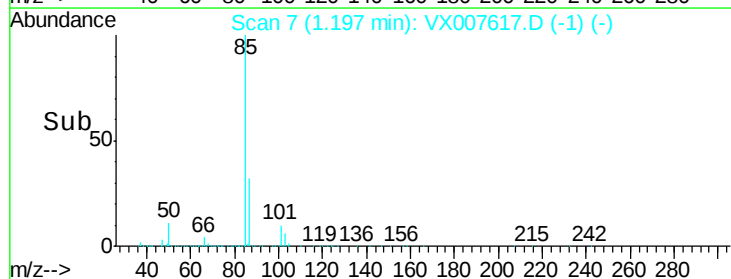
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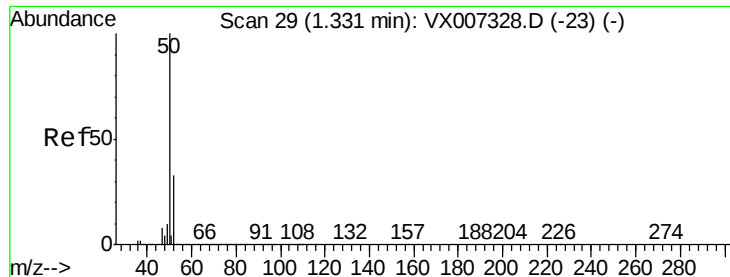
200000

100000

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Time-->





#3

Chloromethane

Concen: 50.065 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampled :

MW-1MSD

Tot Ion: 50 Resp: 336175

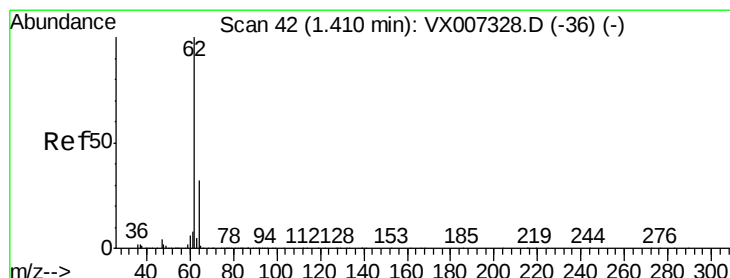
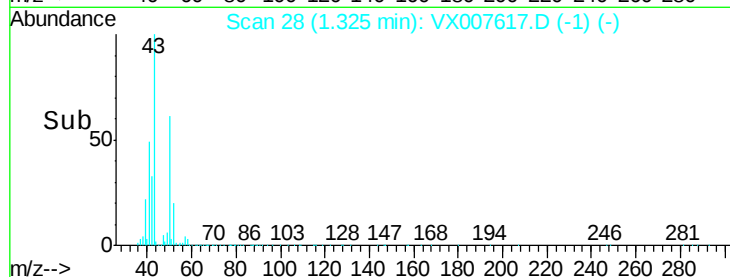
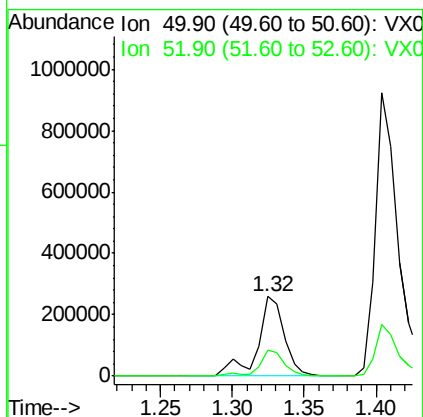
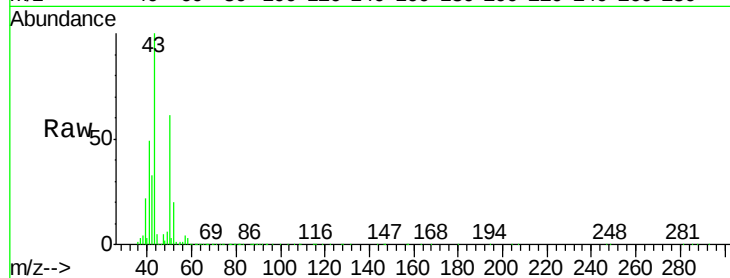
Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1

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#4

Vinyl Chloride

Concen: 60.072 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX007617.D

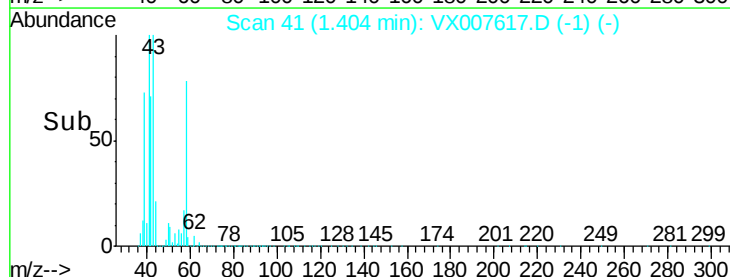
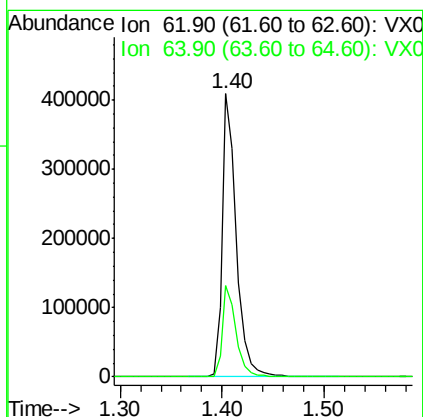
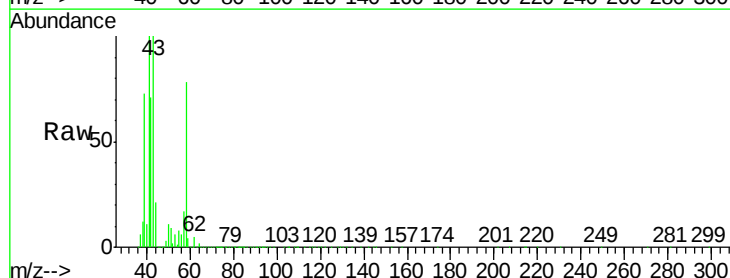
Acq: 19 Feb 2019 16:57

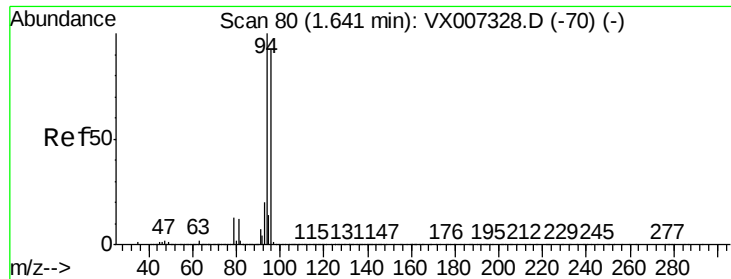
Tgt Ion: 62 Resp: 395722

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 2.563 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion: 94 Resp: 19728

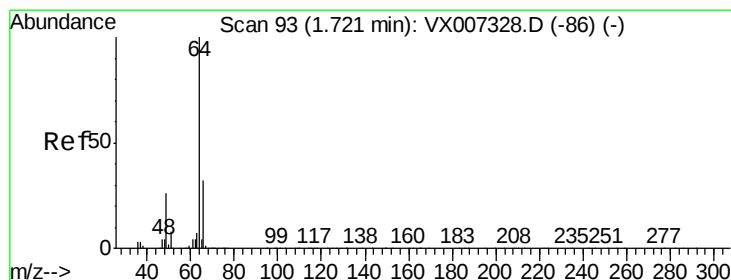
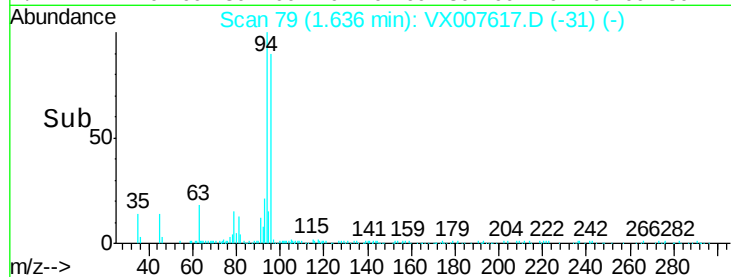
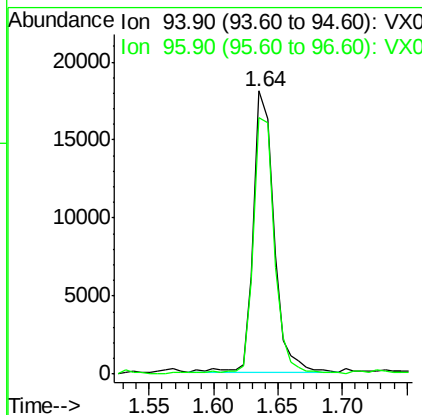
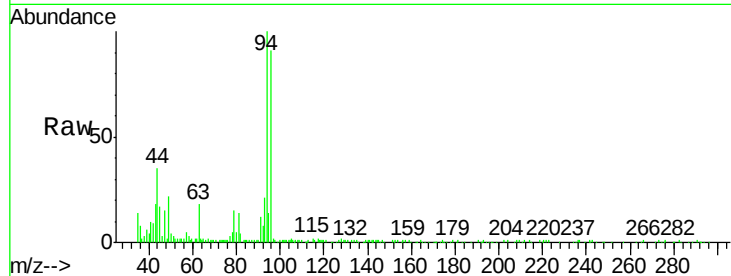
Ion Ratio Lower Upper

94 100

96 90.6 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 44.146 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007617.D

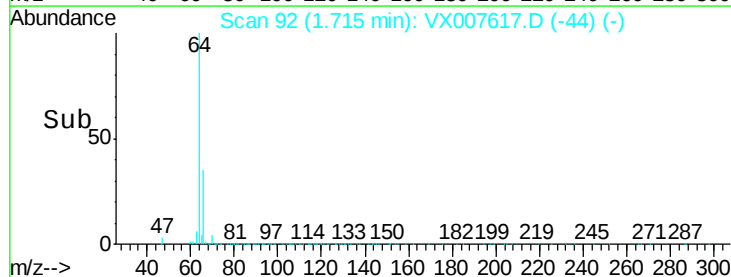
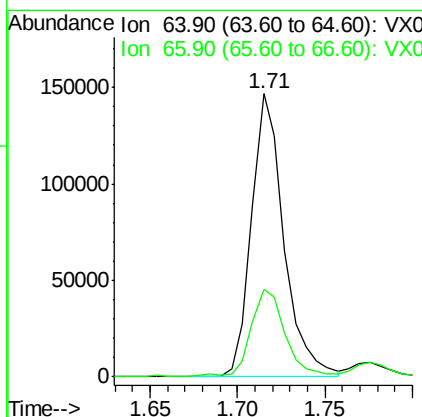
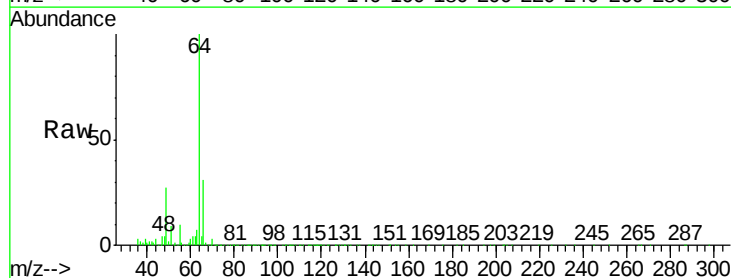
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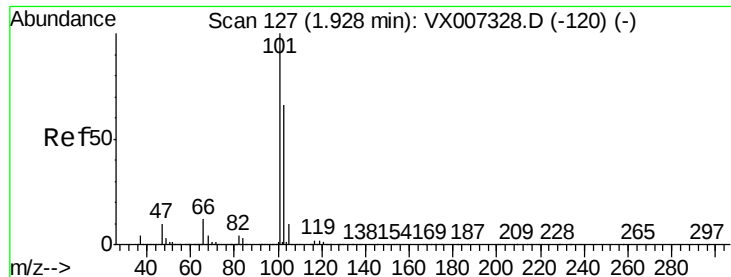
Tgt Ion: 64 Resp: 188122

Ion Ratio Lower Upper

64 100

66 30.6 25.5 38.3





#7

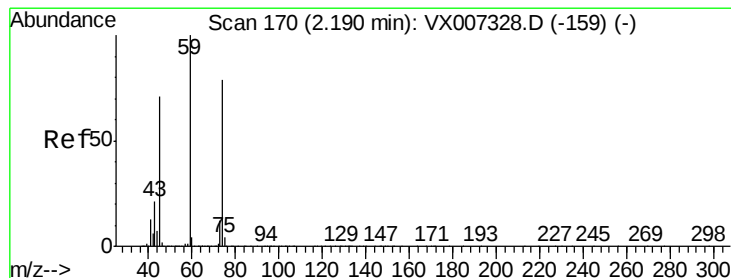
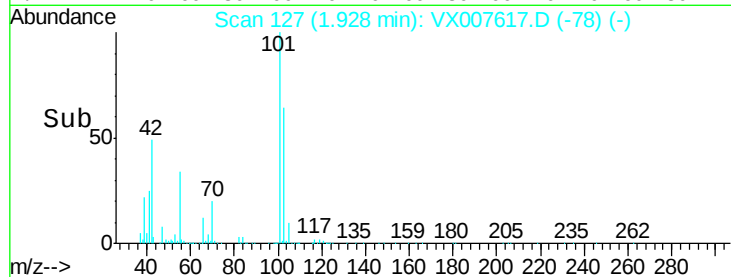
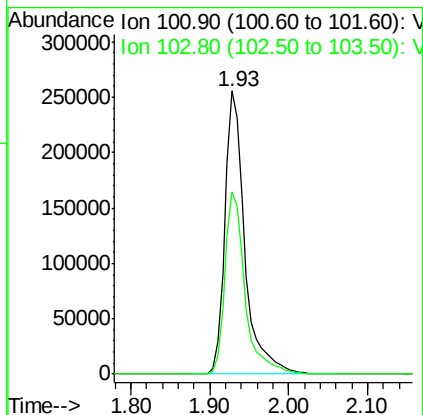
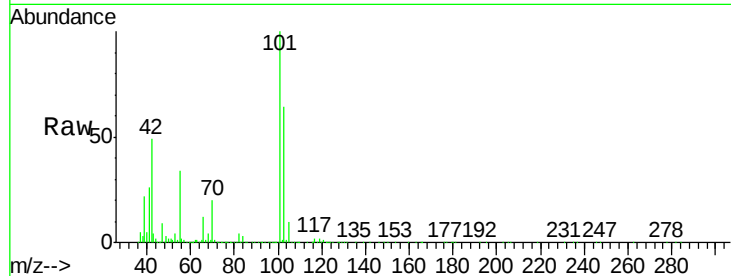
Trichlorofluoromethane
Concen: 43.498 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		448253		
103	64.4	52.6	79.0		

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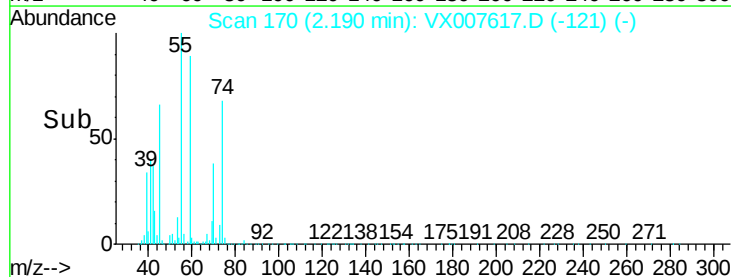
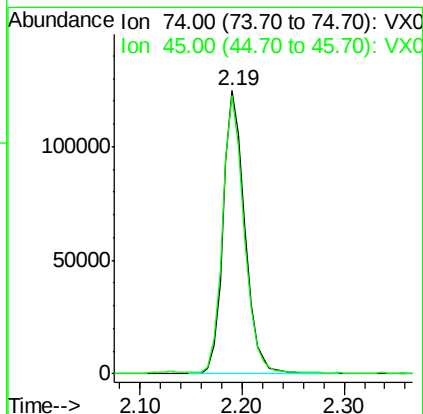
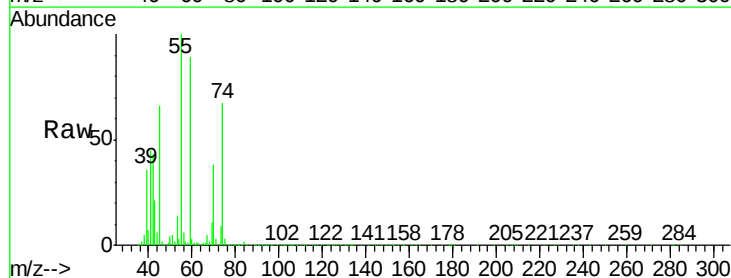
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2/20/2019 10:34:59 AM

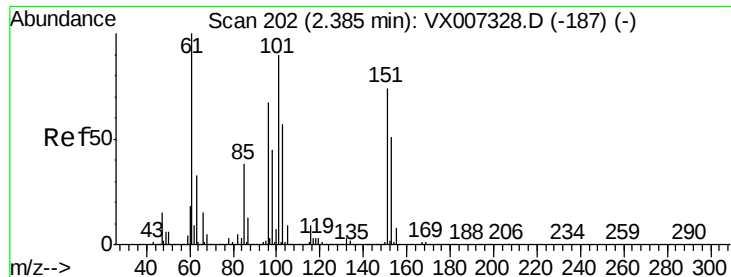


#8

Diethyl Ether
Concen: 47.288 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		183412		
45	97.9	45.7	137.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.819 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

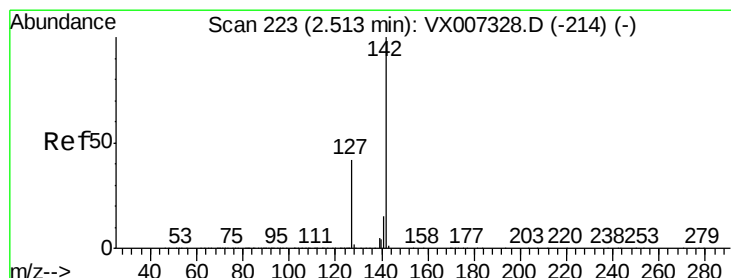
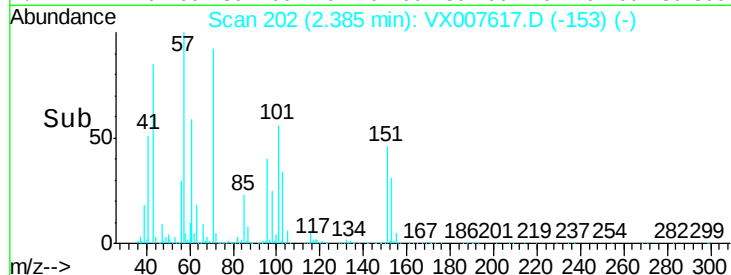
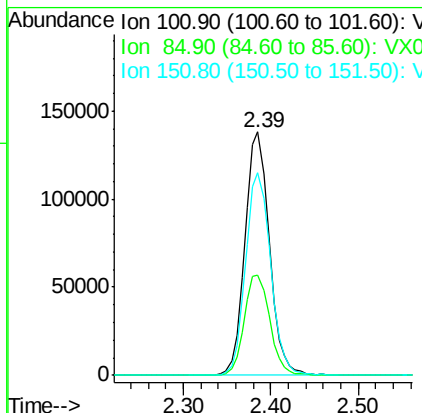
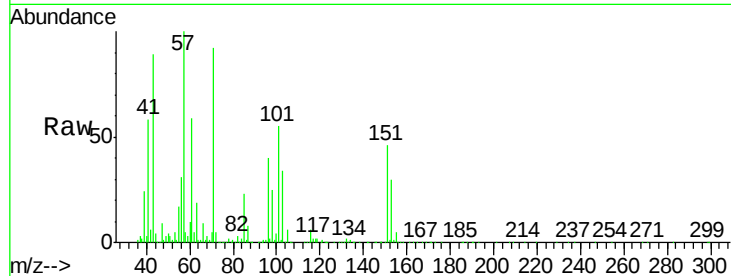
ClientSampleId :

MW-1MSD

Tot Ion:	101	Resp:	268602
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.1	51.1
151	85.2	69.9	104.9

Manual Integrations
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MMDadoda
2/20/2019 10:34:59 AM



#10

Methyl Iodide

Concen: 2.109 ug/l

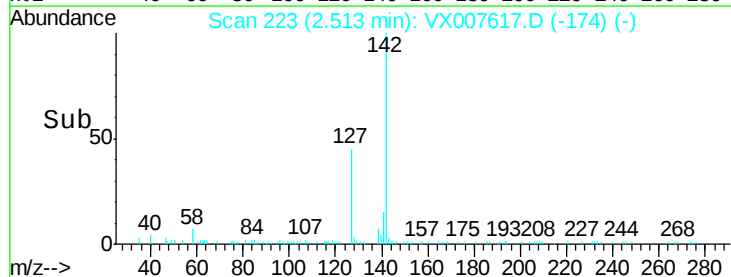
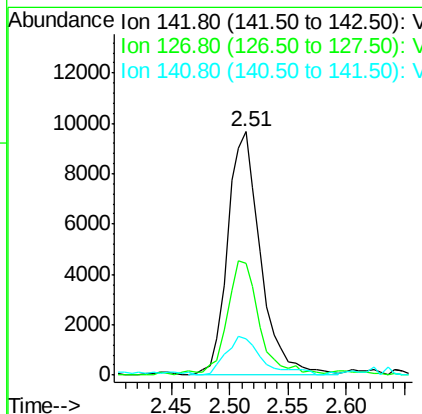
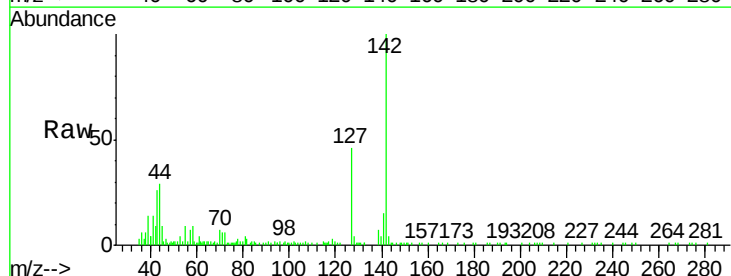
RT: 2.51 min Scan# 223

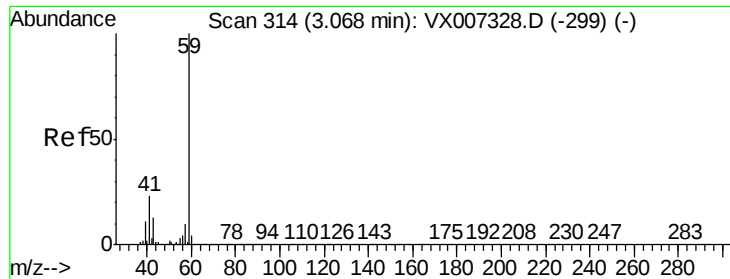
Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tgt Ion:	142	Resp:	19020
Ion Ratio	Lower	Upper	
142	100		
127	46.3	33.7	50.5
141	17.5	11.3	16.9#





#11

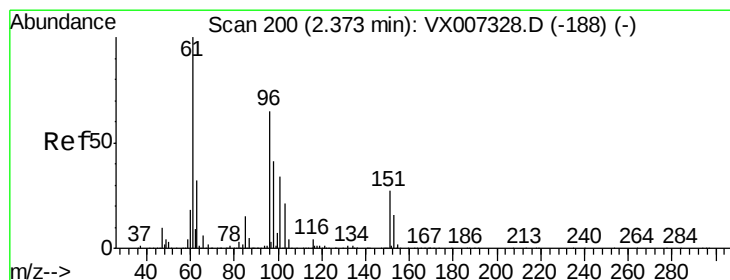
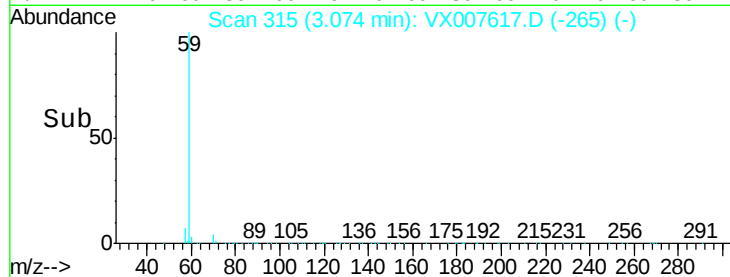
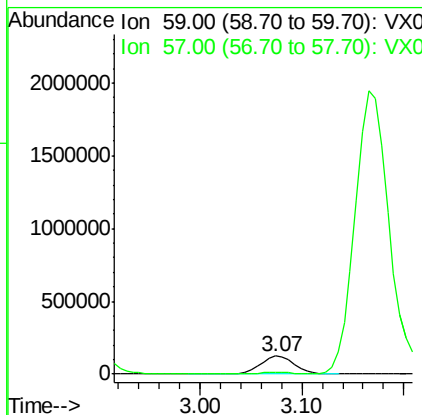
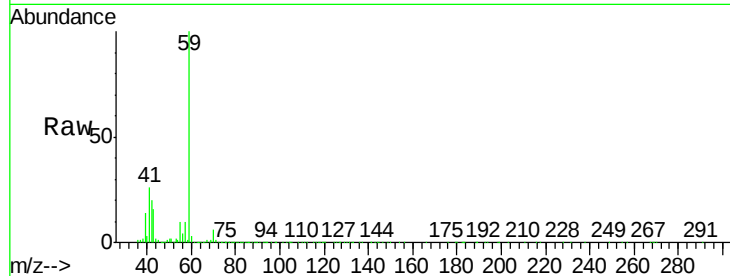
Tert butyl alcohol
Concen: 220.544 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	288807		
57	0.0	8.1	12.1#	

Manual Integrations
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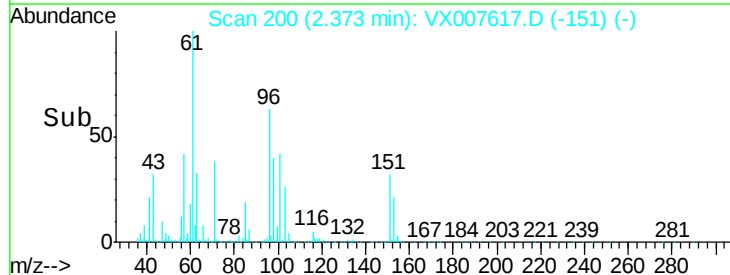
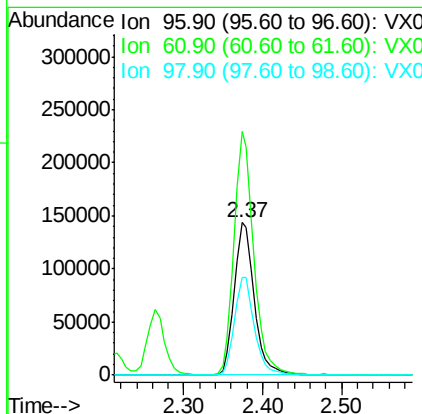
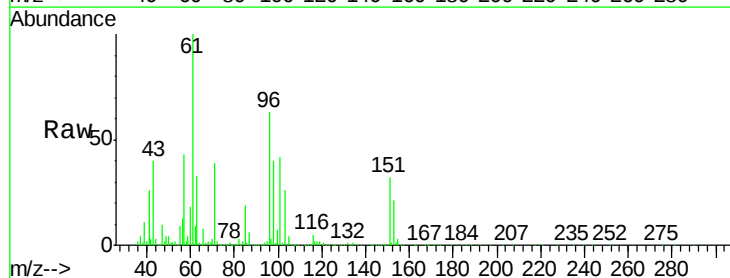
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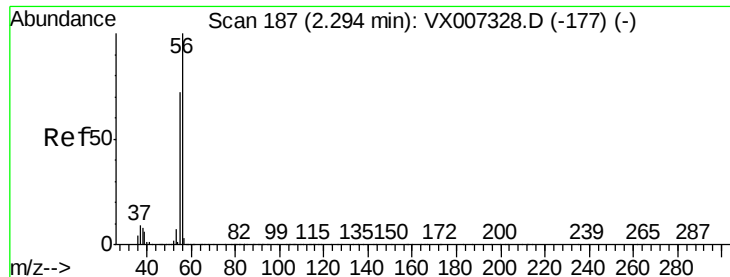


#12

1,1-Dichloroethene
Concen: 44.675 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	254295		
61	159.2	123.0	184.4	
98	64.2	50.9	76.3	





#13

Acrolein

Concen: 1223.389 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion: 56 Resp: 751246

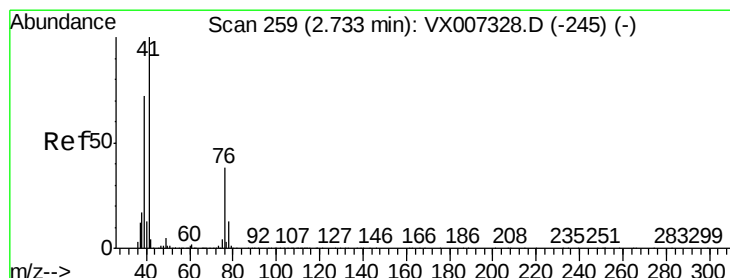
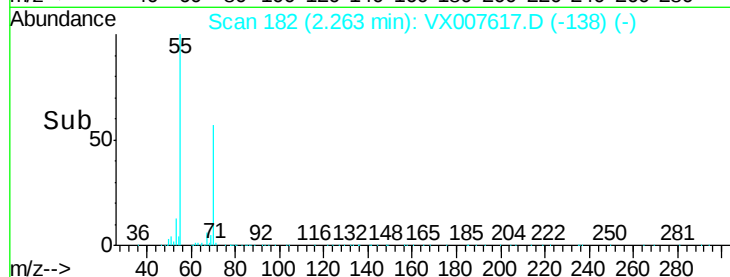
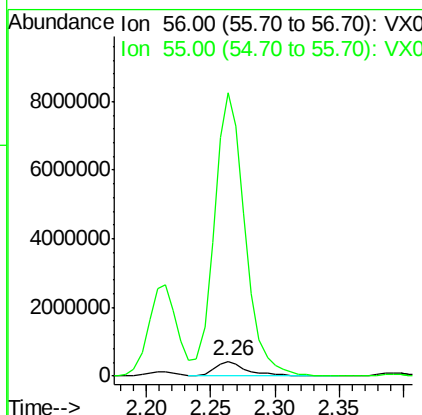
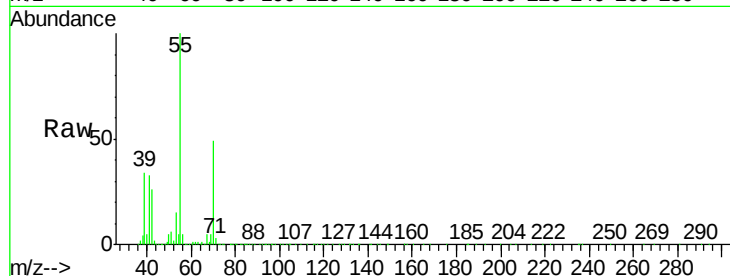
Ion Ratio Lower Upper

56 100

55 1835.1 56.9 85.3

Manual Integrations
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#14

Allyl chloride

Concen: 35.226 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

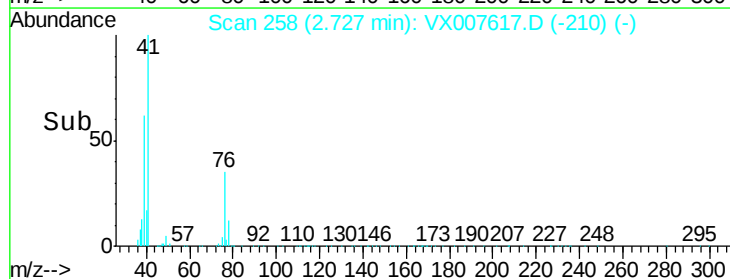
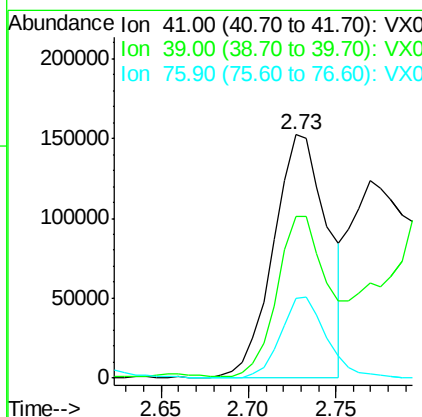
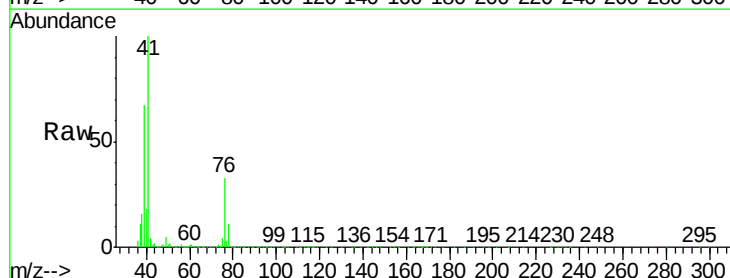
Tgt Ion: 41 Resp: 326702

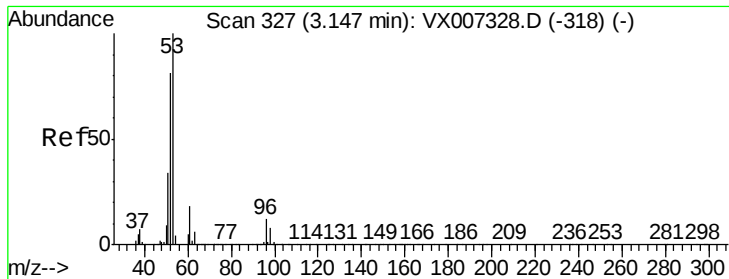
Ion Ratio Lower Upper

41 100

39 65.9 54.1 81.1

76 28.9 27.8 41.8





#15

Acrylonitrile

Concen: 269.120 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

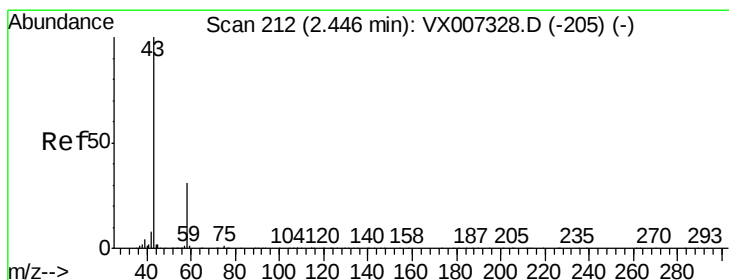
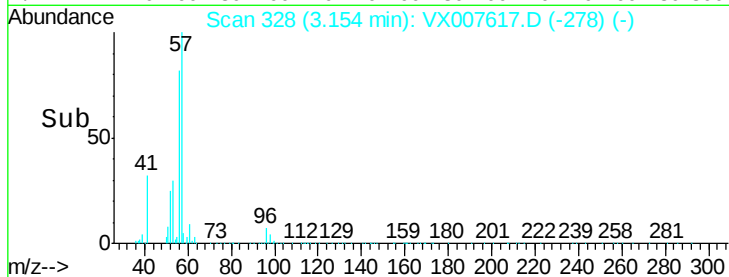
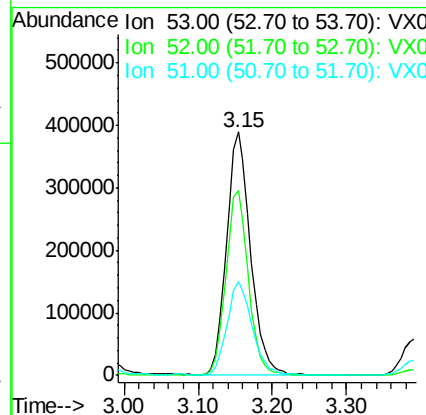
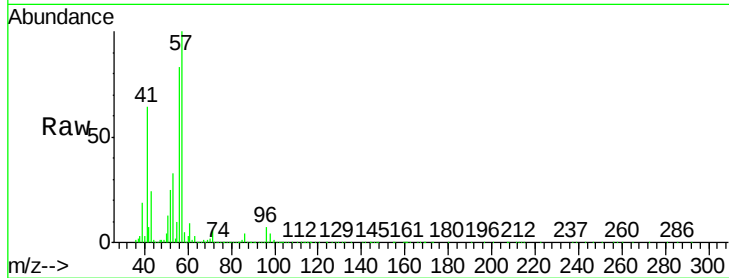
ClientSampled :

MW-1MSD

Tot Ion:	53	Resp:	871810
Ion Ratio		Lower	Upper
53	100		
52	71.0	66.4	99.6
51	40.2	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 260.933 ug/l

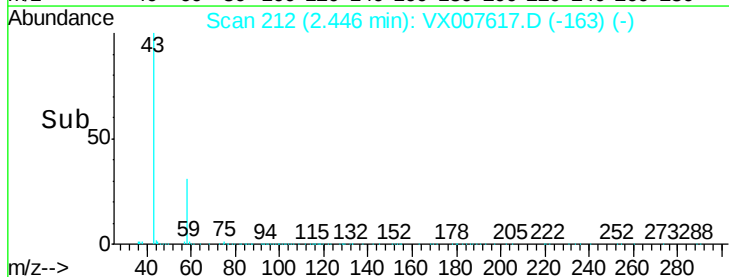
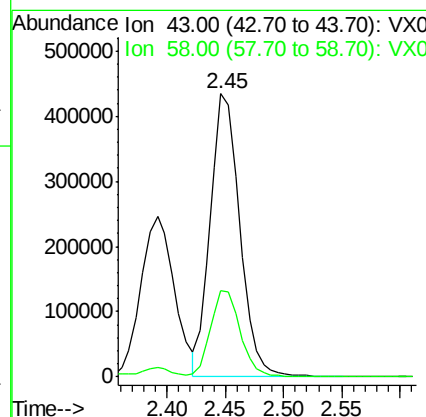
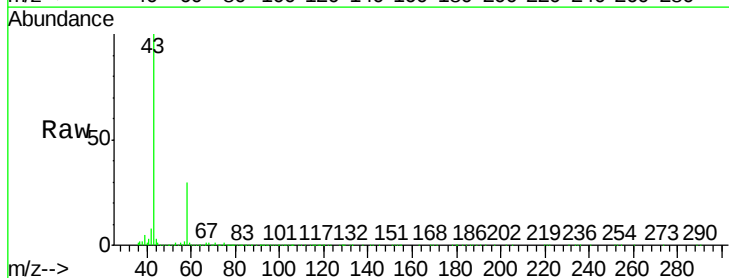
RT: 2.45 min Scan# 212

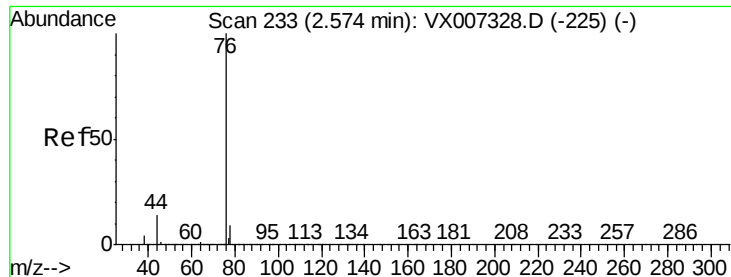
Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tgt Ion:	43	Resp:	756326
Ion Ratio		Lower	Upper
43	100		
58	30.3	24.9	37.3





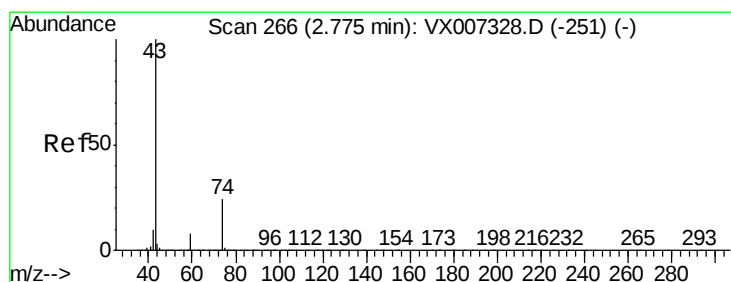
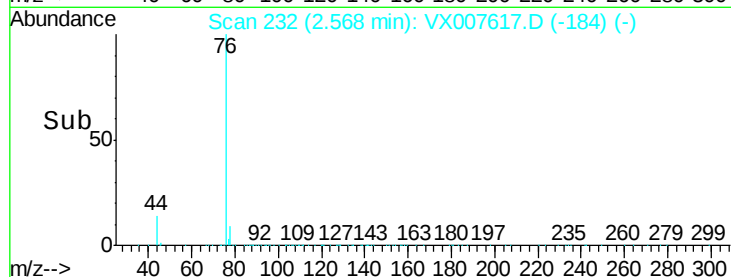
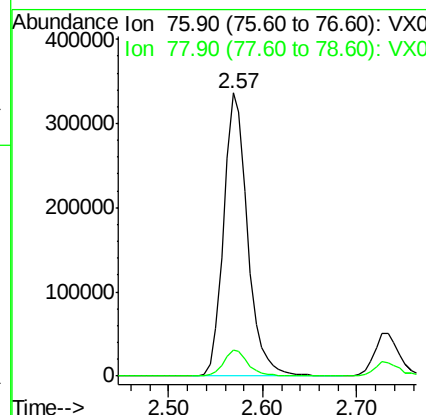
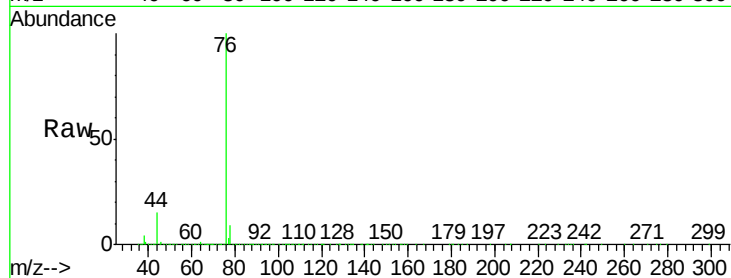
#17
Carbon Disulfide
Concen: 40.079 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-1MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

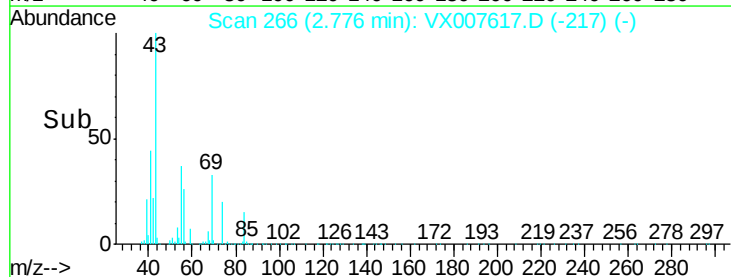
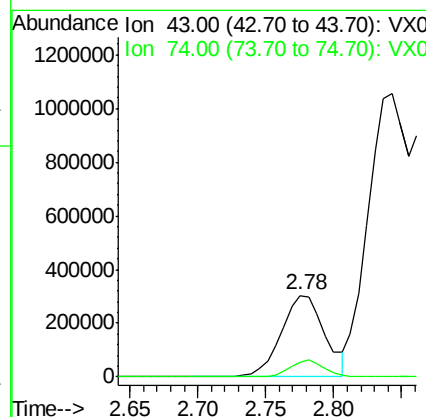
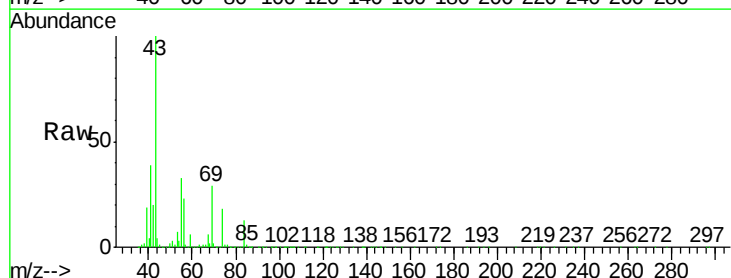
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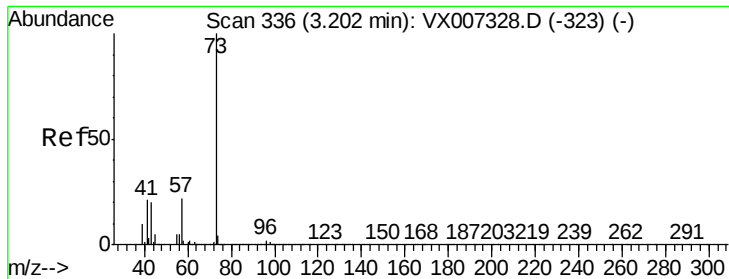
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#18
Methyl Acetate
Concen: 88.806 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.6	19.4	29.2#





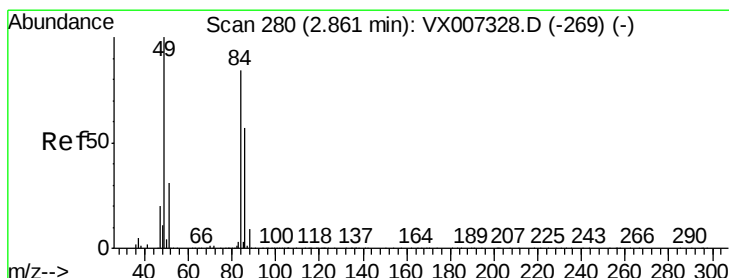
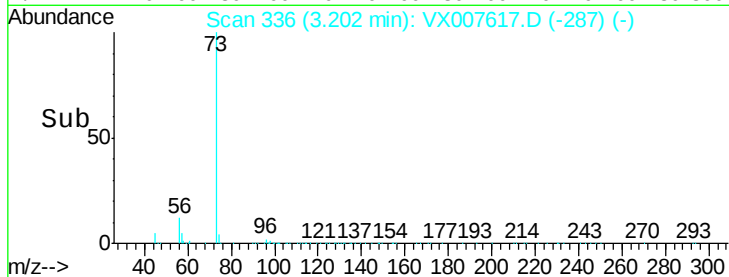
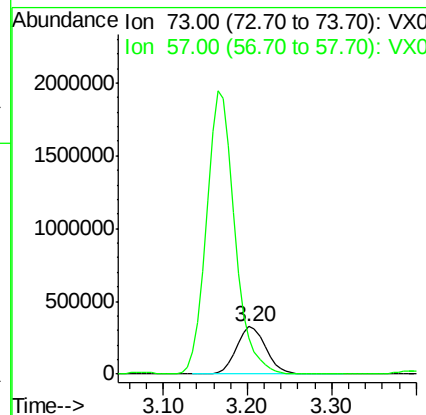
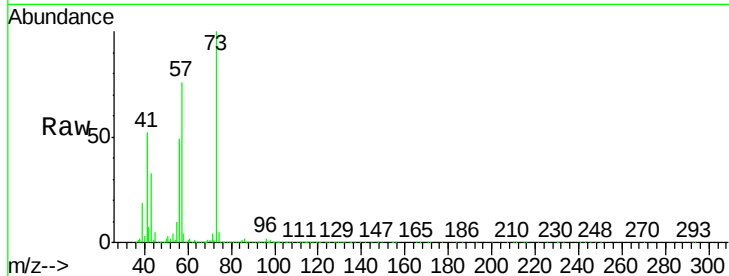
#19
Methvl tert-butvl Ether
Concen: 41.877 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-1MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	76.0	17.8	26.8#

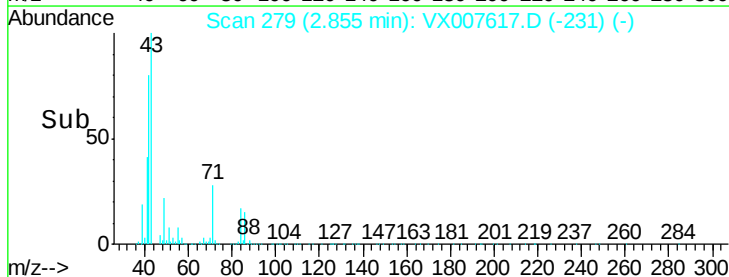
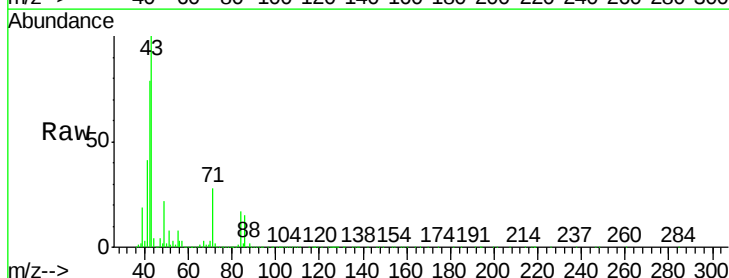
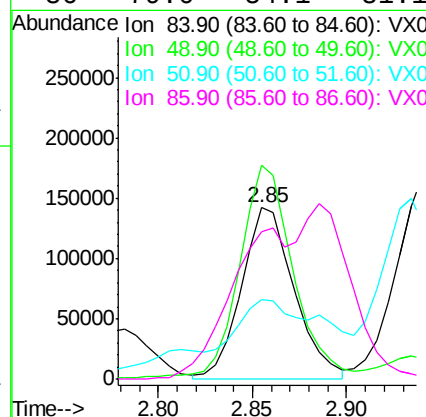
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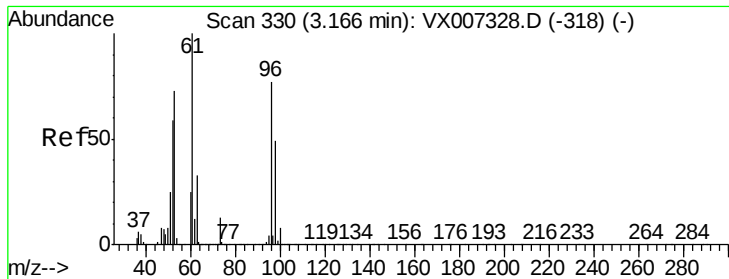
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#20
Methylene Chloride
Concen: 46.449 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.1	94.8	142.2
51	30.9	29.8	44.8
86	79.0	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 38.491 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

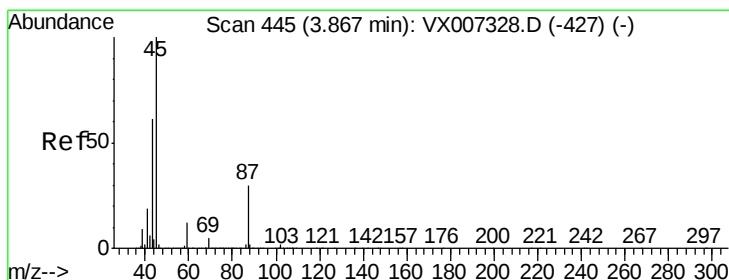
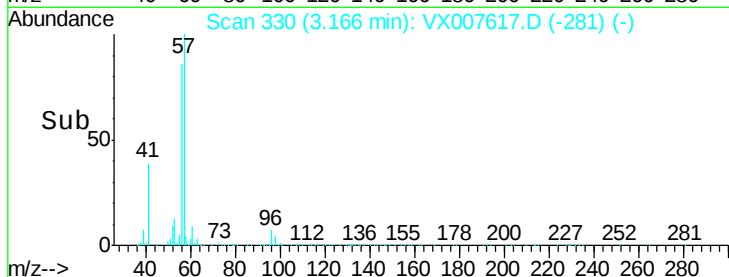
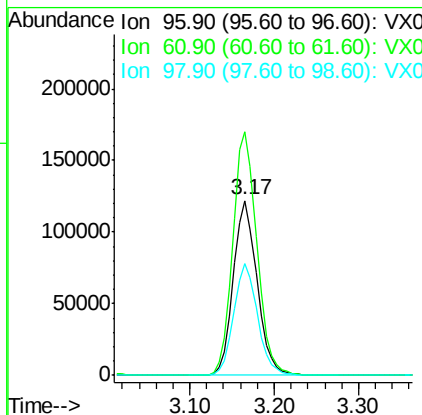
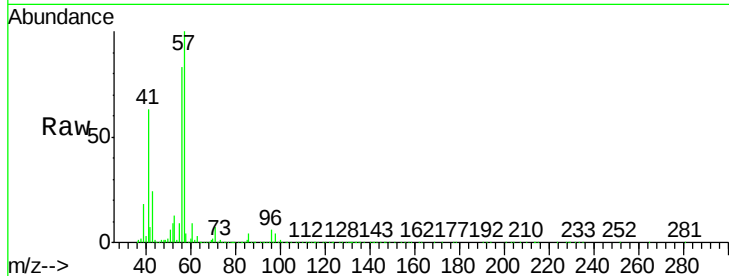
ClientSampleId :

MW-1MSD

Tot Ion:	96	Resp:	233389
Ion	Ratio	Lower	Upper
96	100		
61	139.0	104.6	156.8
98	63.6	51.0	76.4

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#22

Diisopropyl ether

Concen: 51.741 ug/l

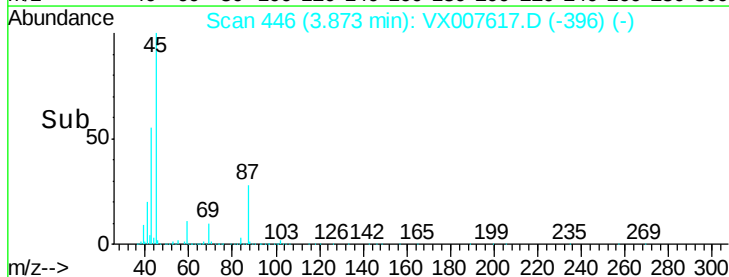
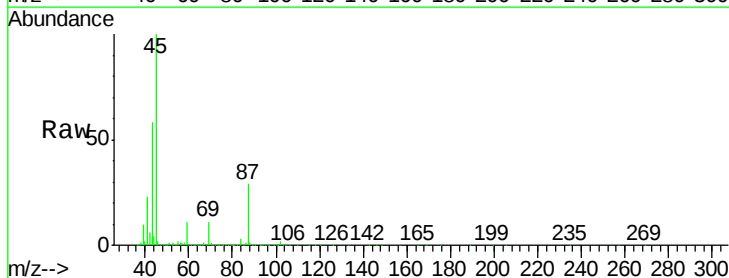
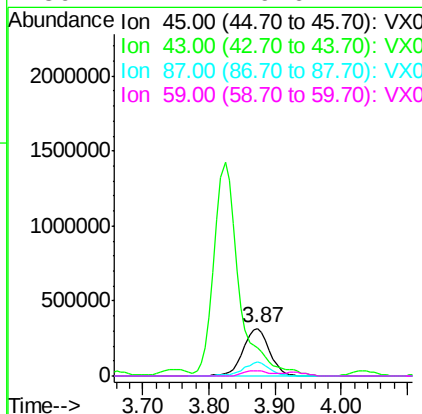
RT: 3.87 min Scan# 446

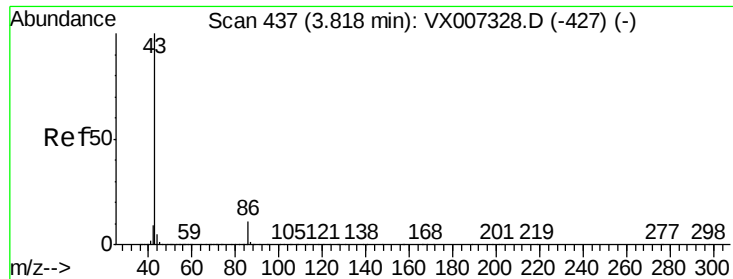
Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tgt Ion:	45	Resp:	882698
Ion	Ratio	Lower	Upper
45	100		
43	56.9	48.9	73.3
87	28.5	23.9	35.9
59	11.2	9.6	14.4





#23

Vinyl Acetate

Concen: 266.078 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion: 43 Resp: 3766775

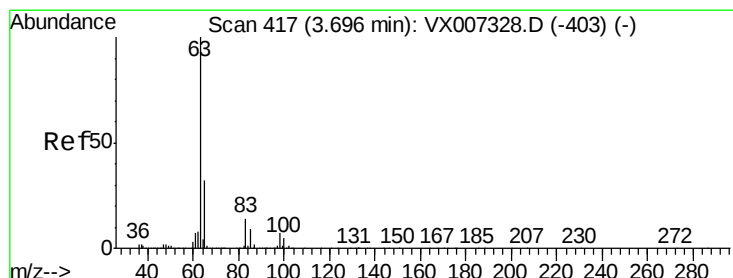
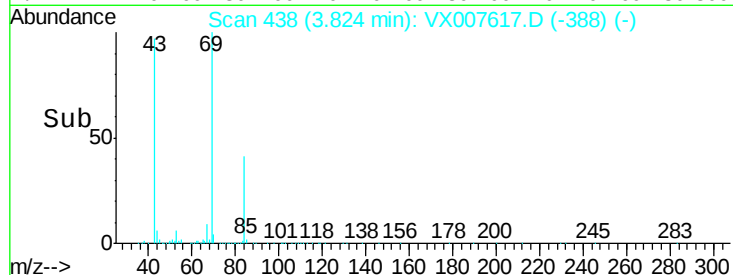
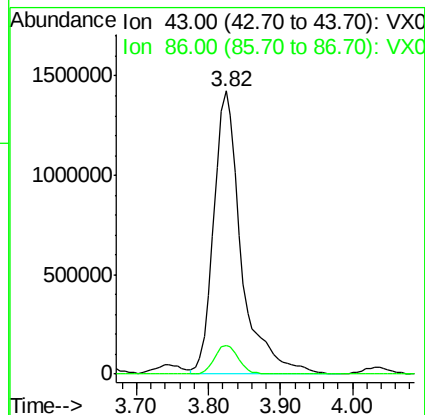
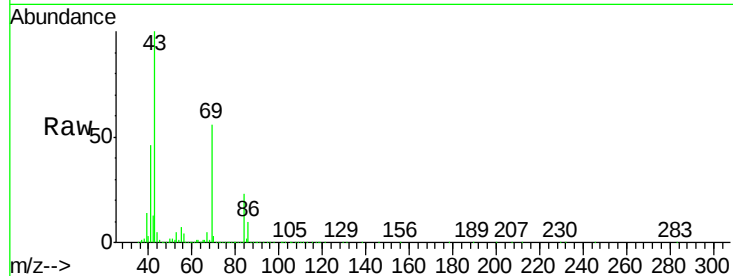
Ion Ratio Lower Upper

43 100

86 10.3 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 40.744 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

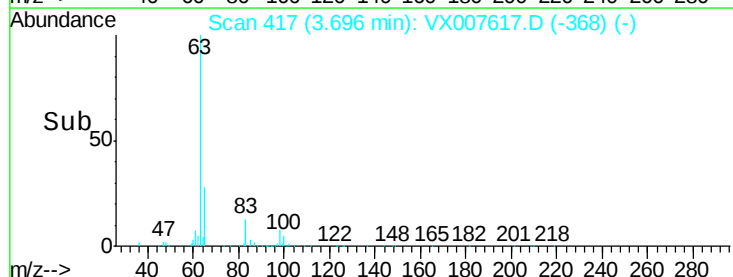
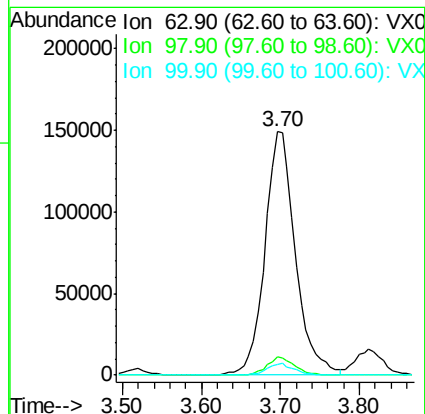
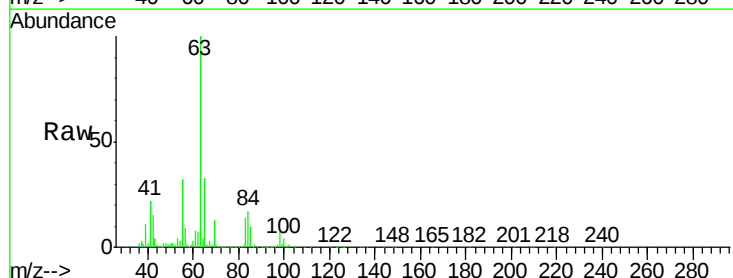
Tgt Ion: 63 Resp: 399169

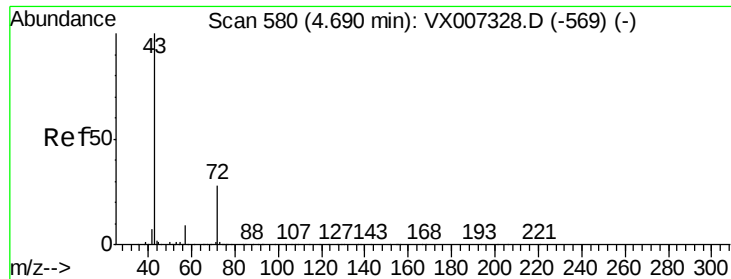
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.8

100 4.4 2.5 7.4





#25

2-Butanone

Concen: 279.747 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion: 43 Resp: 1153952

Ion Ratio Lower Upper

43 100

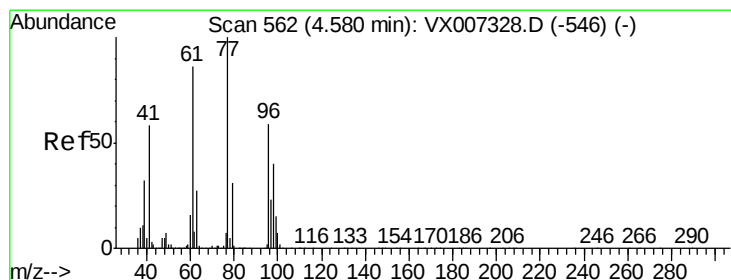
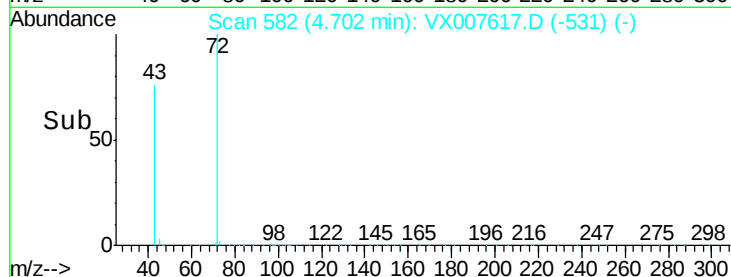
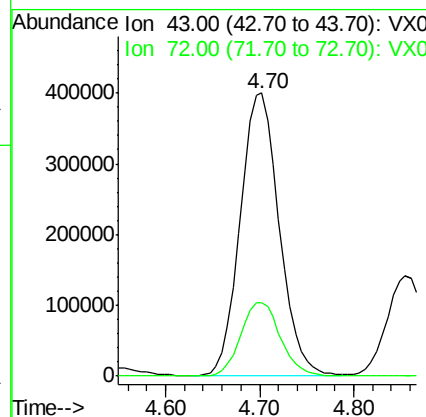
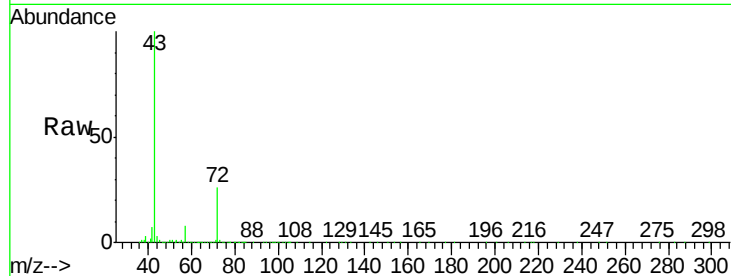
72 25.8 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.865 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007617.D

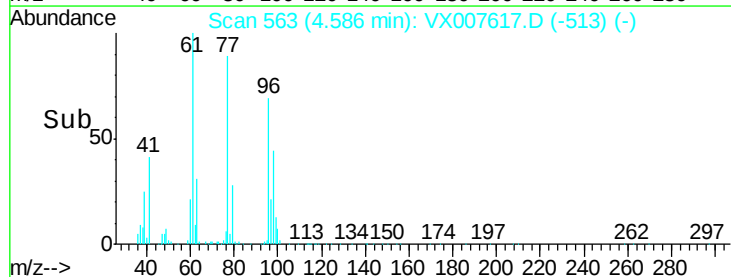
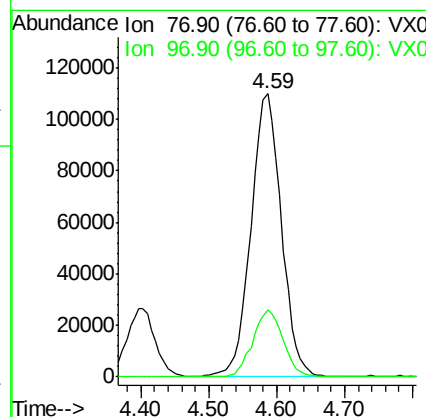
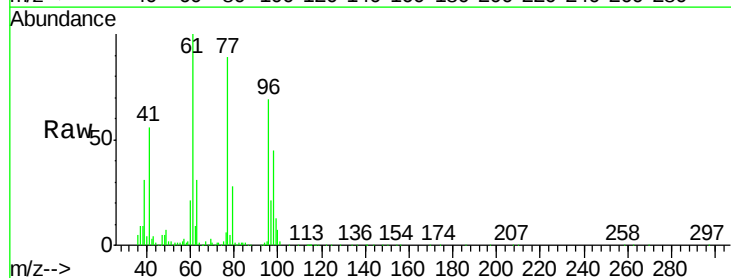
Acq: 19 Feb 2019 16:57

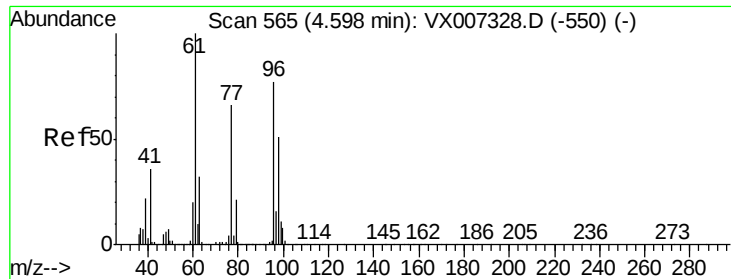
Tgt Ion: 77 Resp: 342202

Ion Ratio Lower Upper

77 100

97 23.7 12.1 36.3





#27

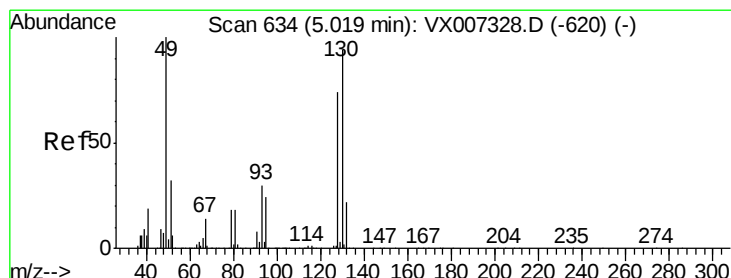
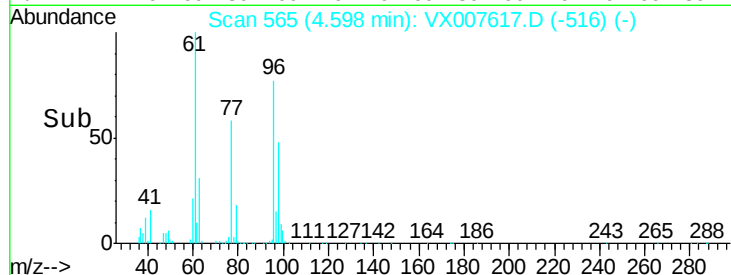
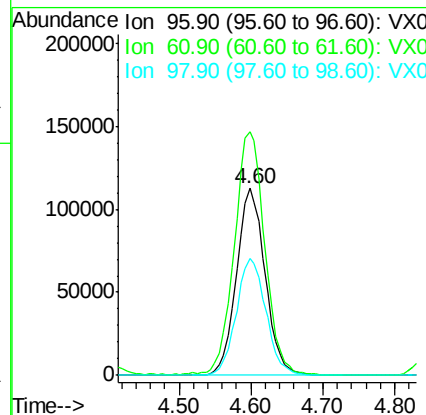
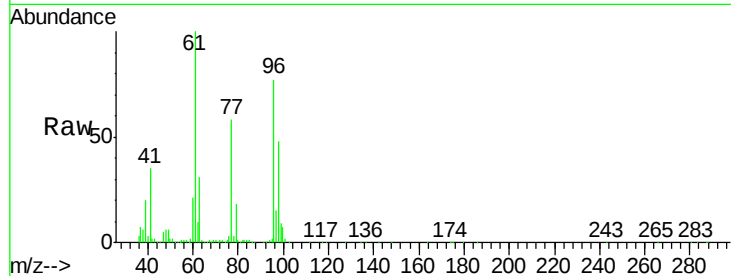
cis-1,2-Dichloroethene
 Concen: 47.026 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	311444		
61	138.7	0.0	265.6	
98	64.3	0.0	131.6	

Manual Integrations
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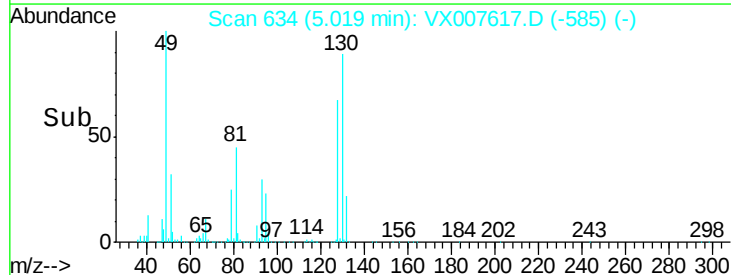
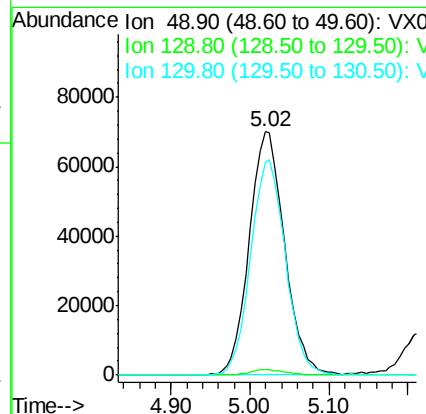
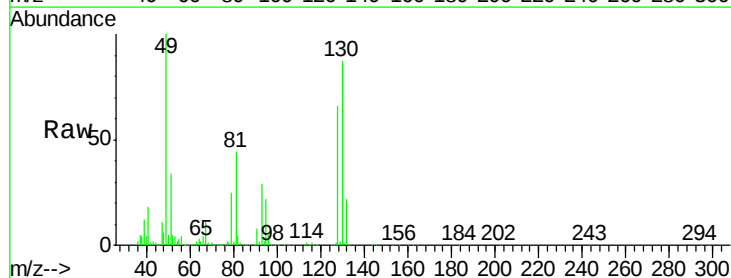
MMDadoda
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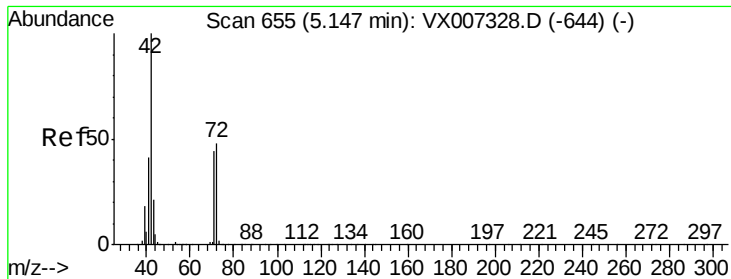


#28

Bromochloromethane
 Concen: 48.236 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	217320		
129	2.5	0.0	5.6	
130	87.6	75.6	113.4	





#29

Tetrahydrofuran

Concen: 274.273 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

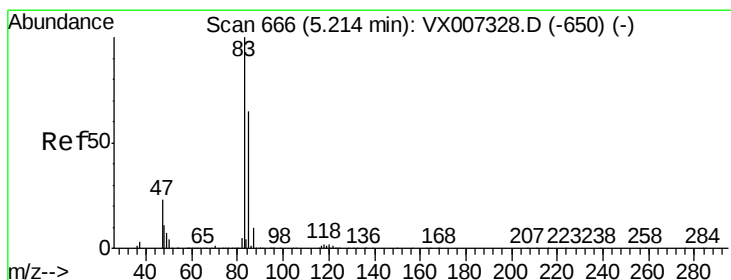
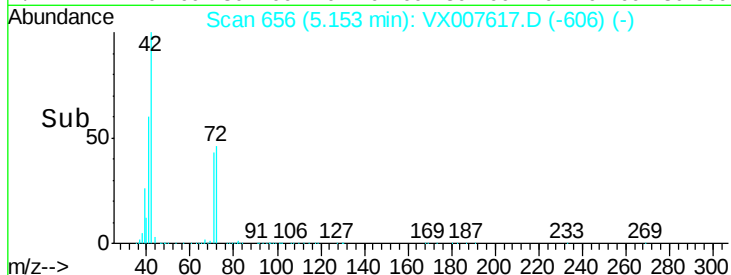
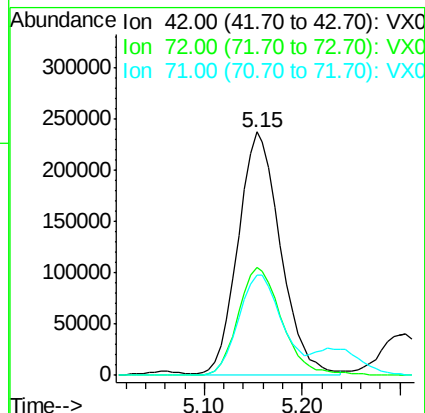
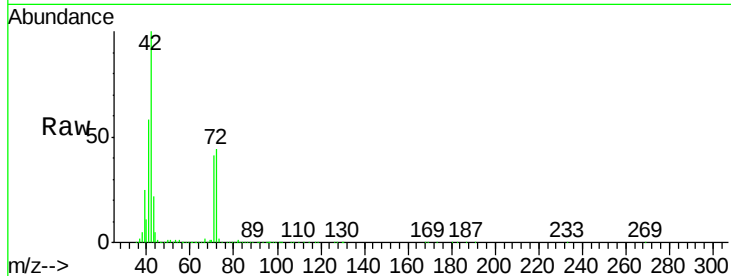
ClientSampleId :

MW-1MSD

Tot Ion:	42	Resp:	711556
Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.6	56.4
71	42.2	34.6	51.8

Manual Integrations
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#30

Chloroform

Concen: 52.224 ug/l

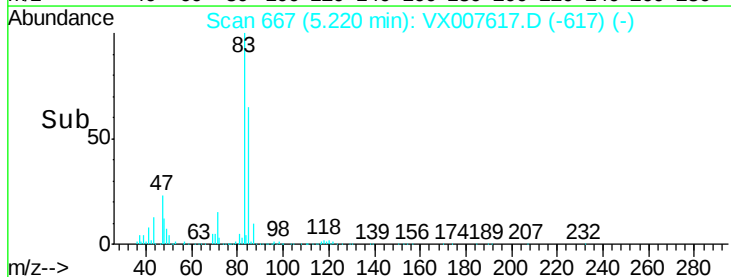
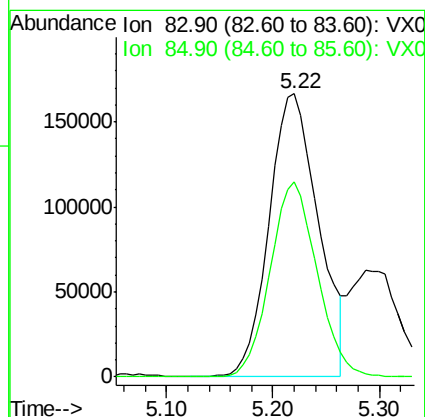
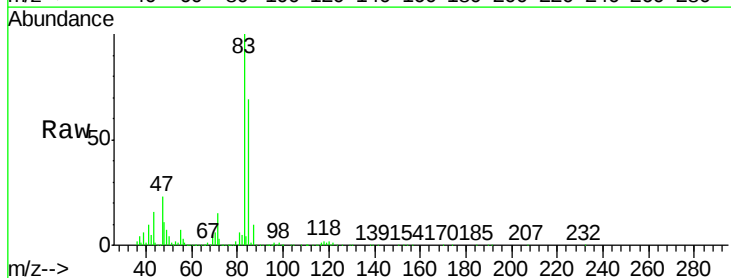
RT: 5.22 min Scan# 667

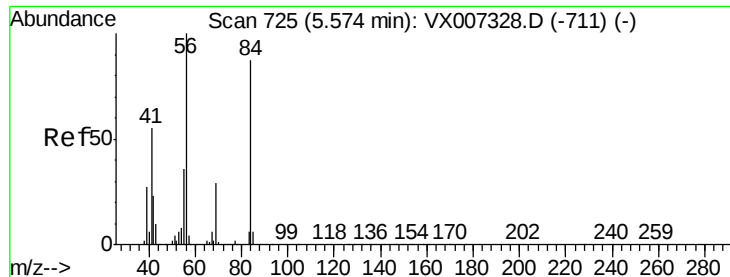
Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tgt Ion:	83	Resp:	533897
Ion	Ratio	Lower	Upper
83	100		
85	68.9	51.6	77.4





#31

Cyclohexane

Concen: 444.853 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion: 56 Resp: 3914312

Ion Ratio Lower Upper

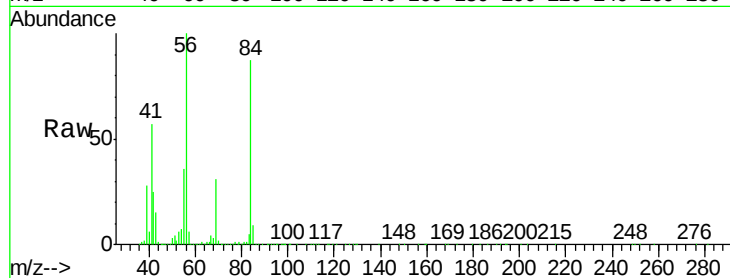
56 100

69 28.9 23.0 34.6

84 87.6 69.8 104.6

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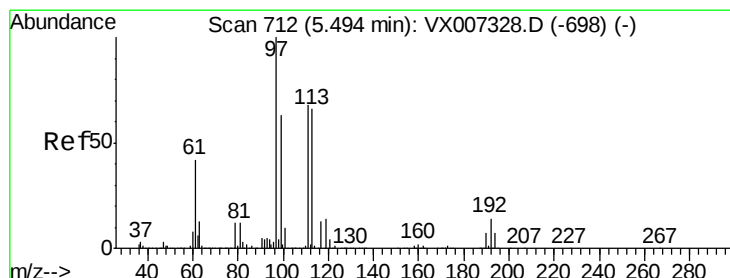
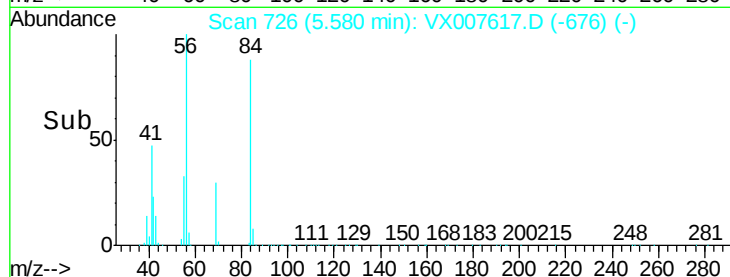
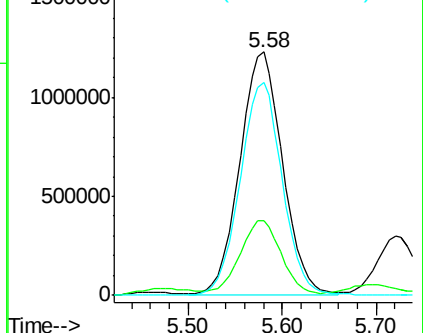


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 50.759 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

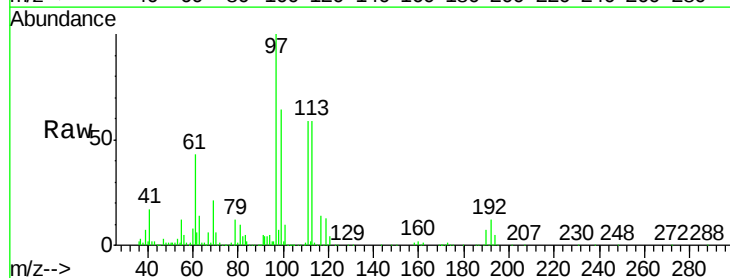
Tgt Ion: 97 Resp: 438018

Ion Ratio Lower Upper

97 100

99 65.1 52.2 78.2

61 42.7 32.7 49.1

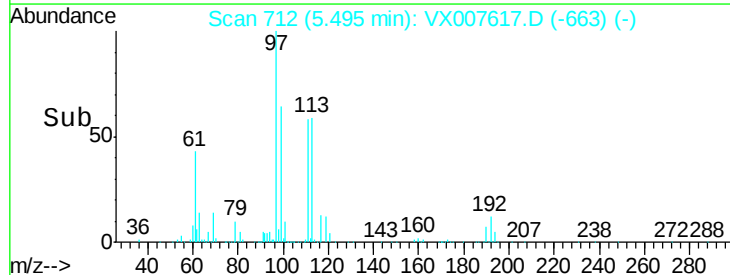
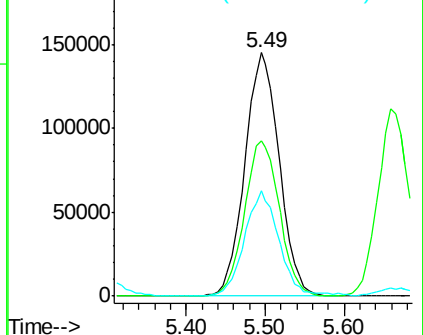


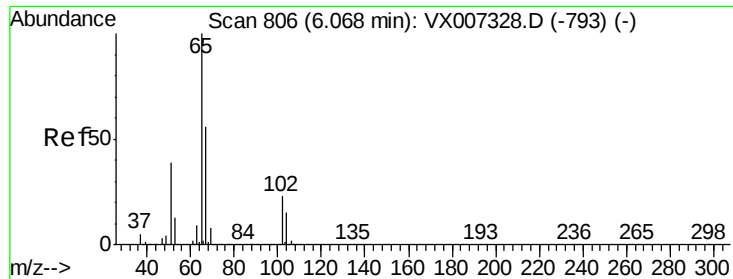
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





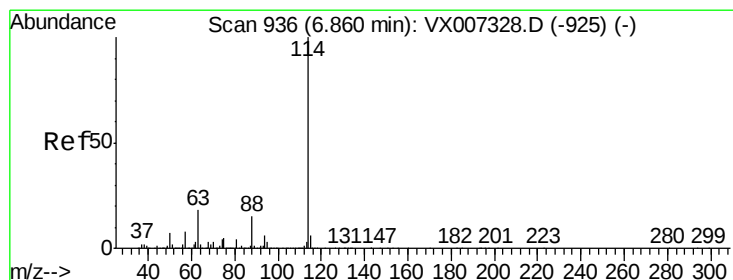
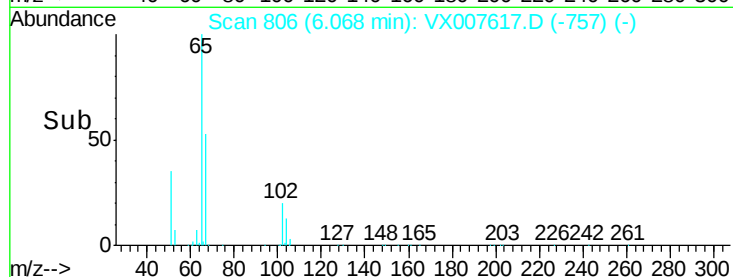
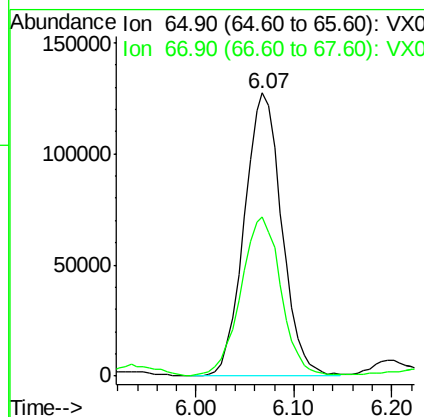
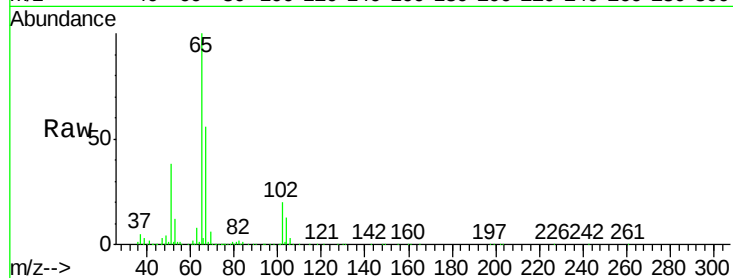
#33
 1,2-Dichloroethane-d4
 Concen: 53.537 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	338765		
67	59.7	0.0	108.8	

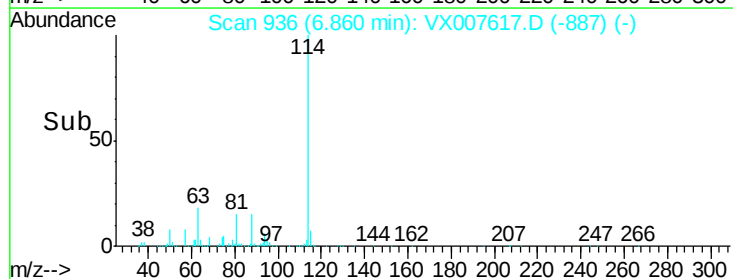
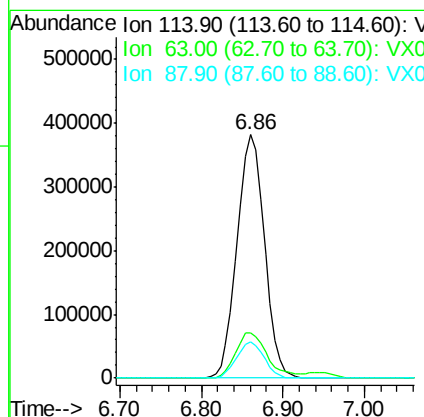
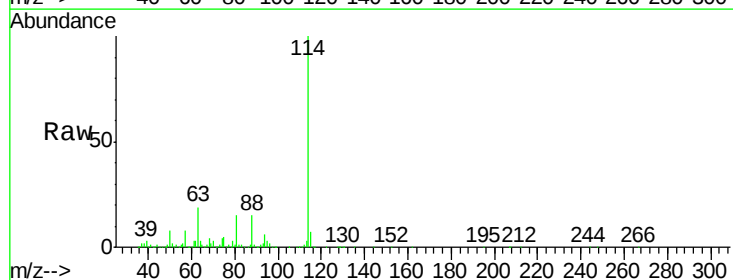
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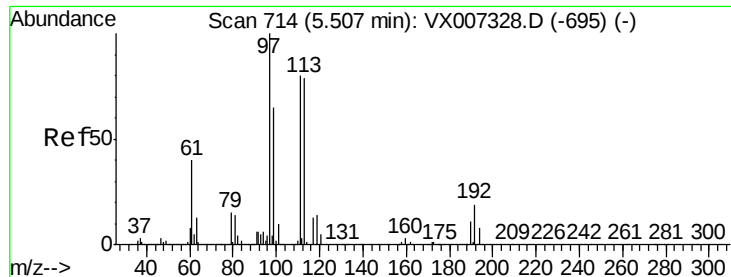
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	888936		
63	18.3	0.0	35.6	
88	14.9	0.0	29.6	





#35

Dibromofluoromethane

Concen: 49.130 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

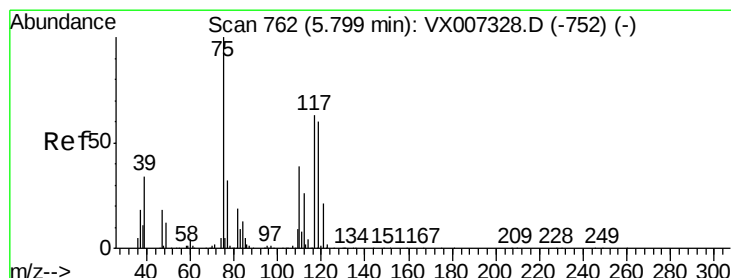
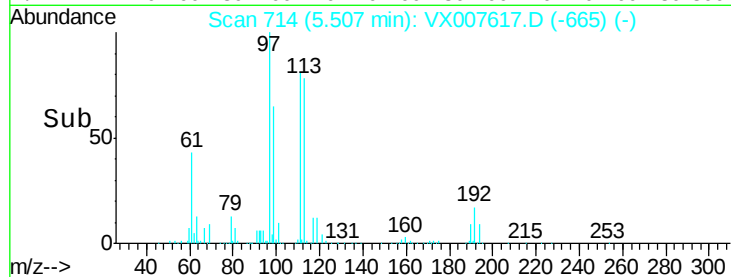
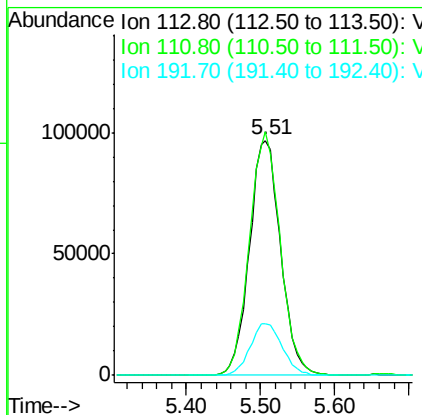
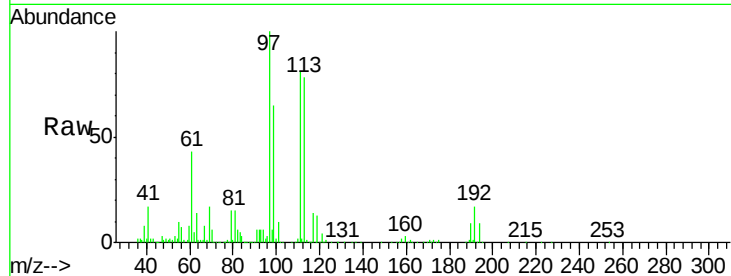
ClientSampled :

MW-1MSD

Tot Ion:	113	Resp:	284166
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.8	122.8
192	22.8	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 44.648 ug/l

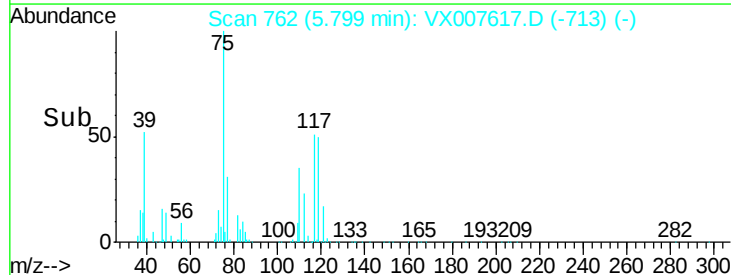
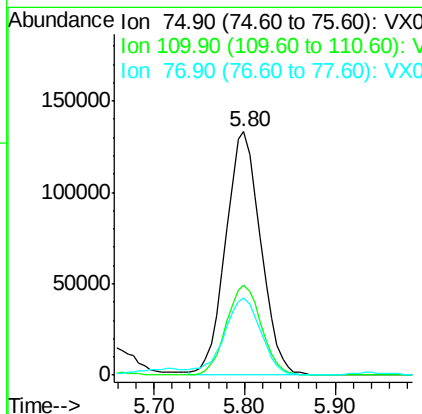
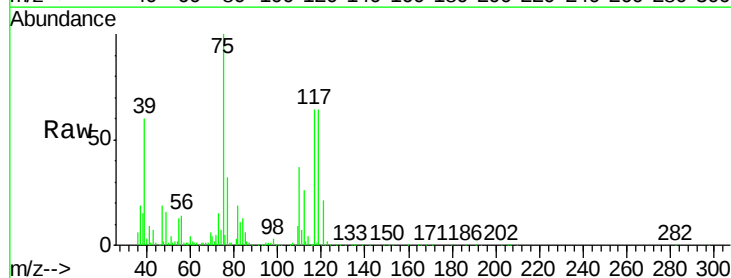
RT: 5.80 min Scan# 762

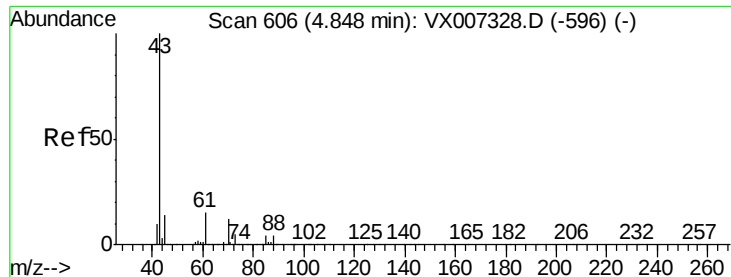
Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tgt Ion:	75	Resp:	356106
Ion Ratio	Lower	Upper	
75	100		
110	37.3	20.0	59.9
77	33.3	24.7	37.1





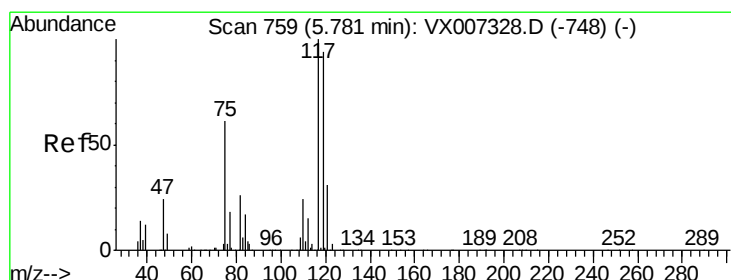
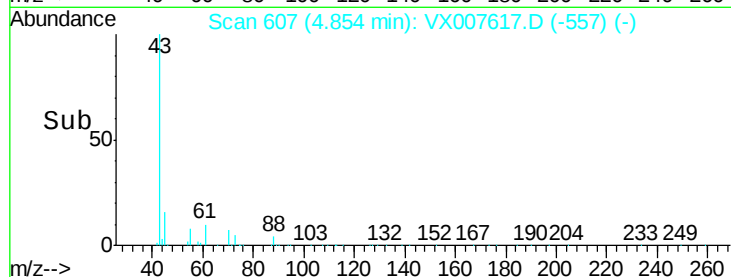
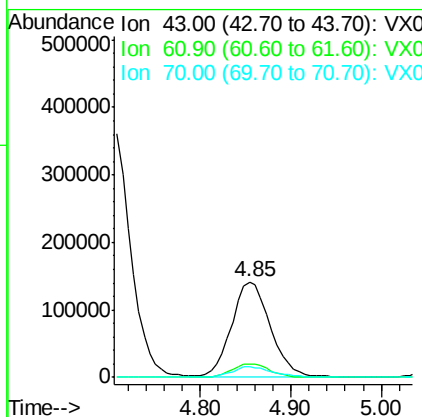
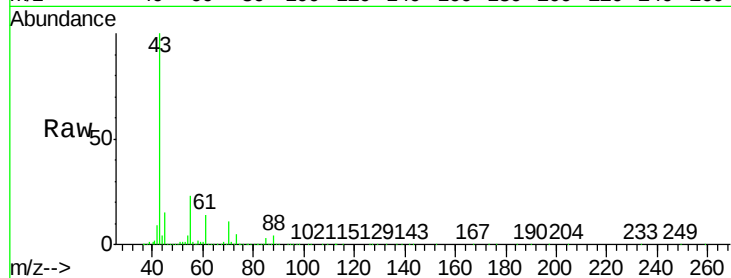
#37
Ethyl Acetate
Concen: 51.608 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleID :
MW-1MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.3	16.9
70	11.7	8.6	13.0

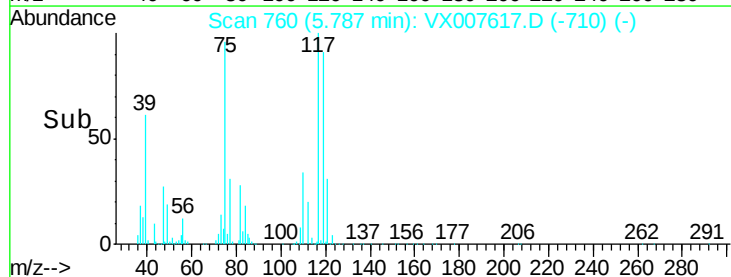
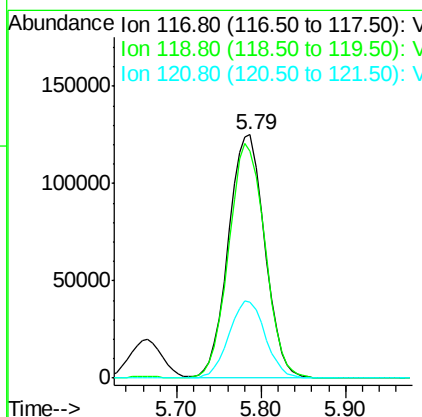
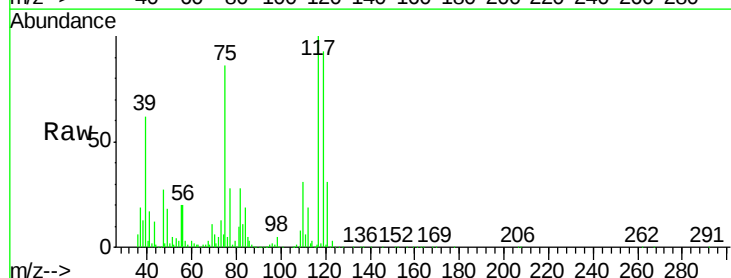
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#38
Carbon Tetrachloride
Concen: 47.471 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.3	112.9
121	31.3	25.0	37.4





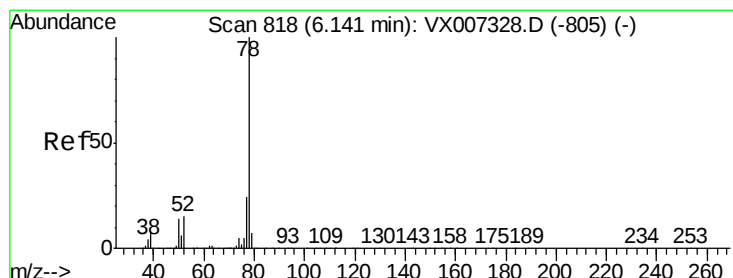
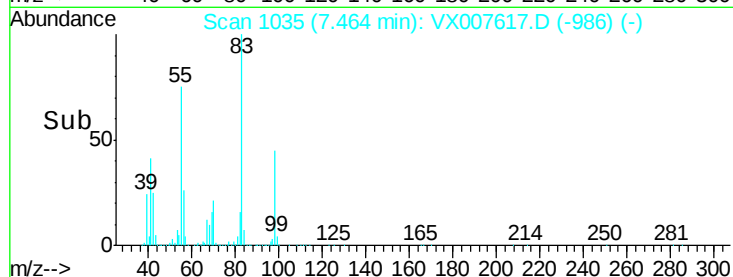
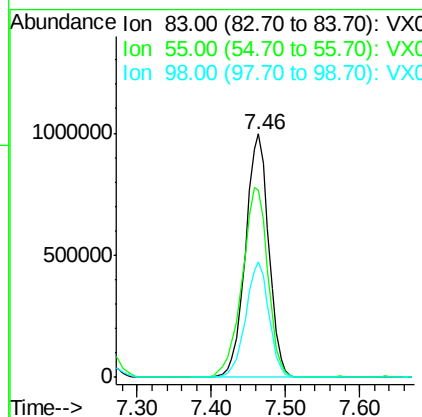
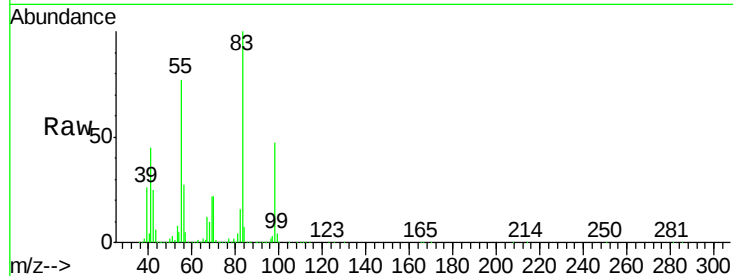
#39
Methvlcvclohexane
Concen: 225.453 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampled :
MW-1MSD

Tot Ion: 83 Resp: 2175623
Ion Ratio Lower Upper
83 100
55 76.8 56.2 84.2
98 47.3 36.8 55.2

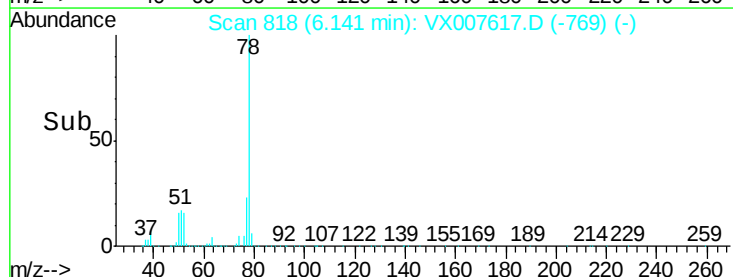
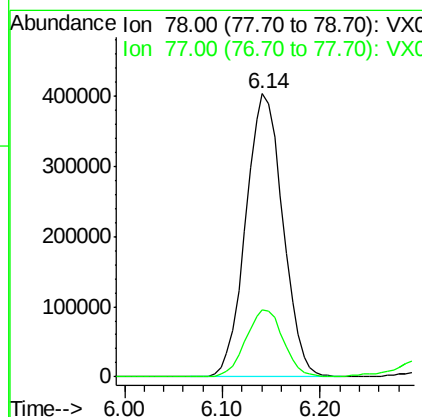
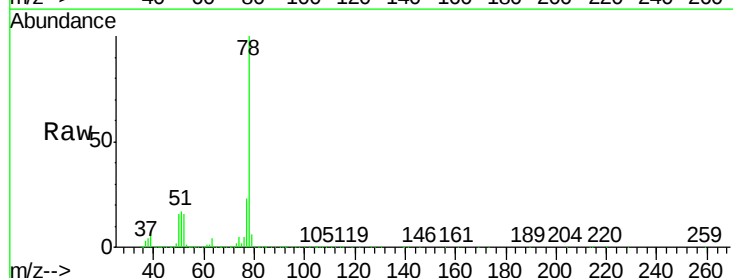
Manual Integrations
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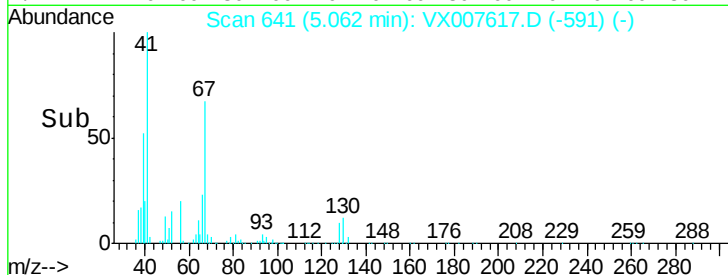
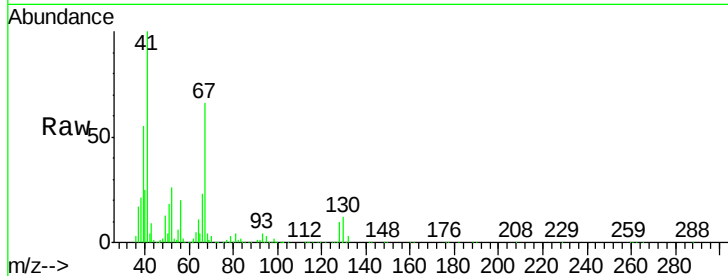
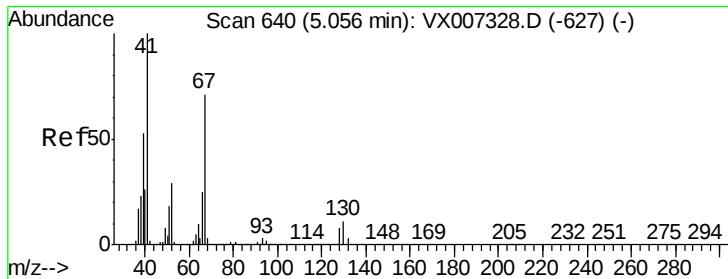
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#40
Benzene
Concen: 45.183 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion: 78 Resp: 1061566
Ion Ratio Lower Upper
78 100
77 23.4 19.3 28.9





#41

Methacrylonitrile

Concen: 60.088 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		259649		
39	56.3	44.5	66.7		
67	0.0	60.4	90.6		
52	26.2	24.1	36.1		

Instrument :

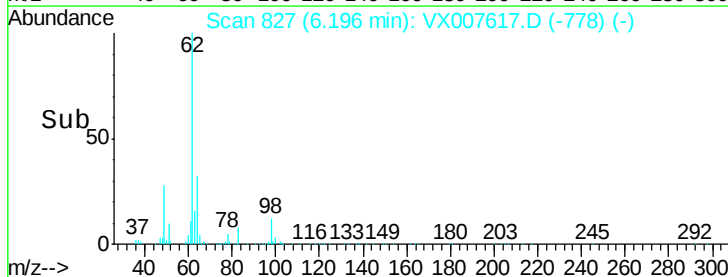
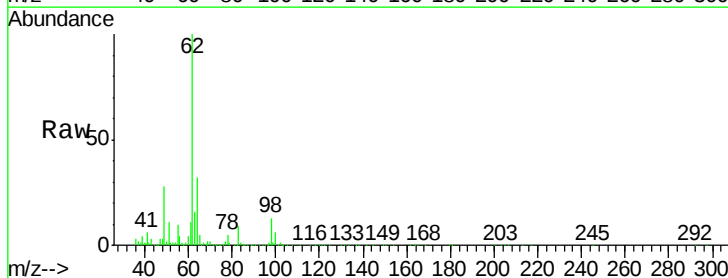
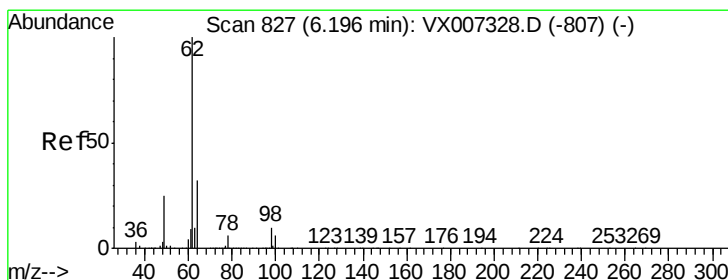
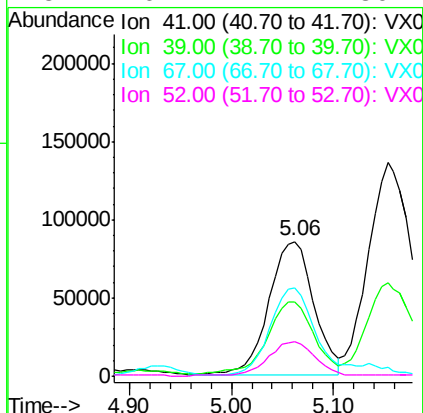
MSVOA_X

ClientSampled :

MW-1MSD

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.053 ug/l

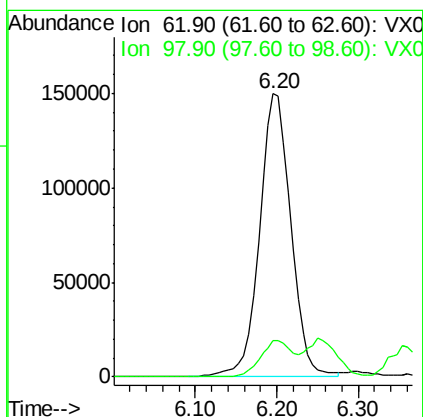
RT: 6.20 min Scan# 827

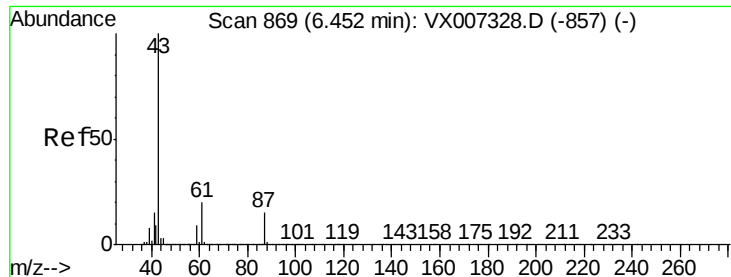
Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		398754		
98	13.3	0.0	19.0		





#43

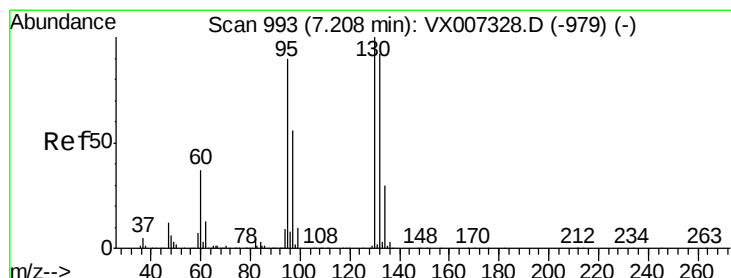
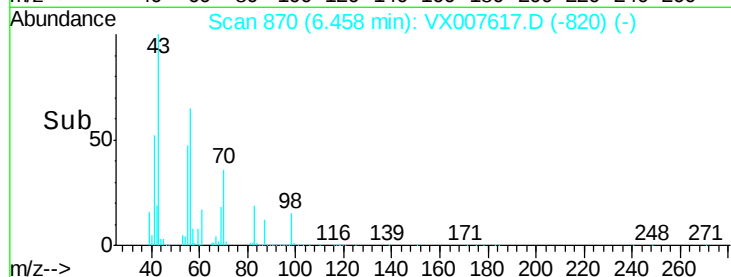
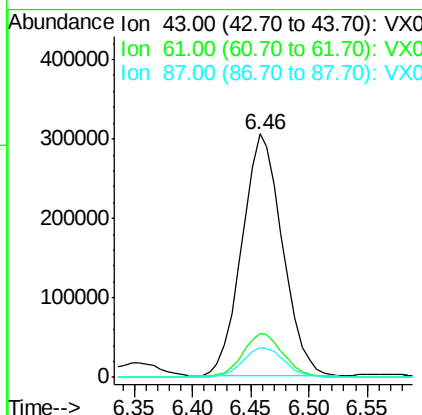
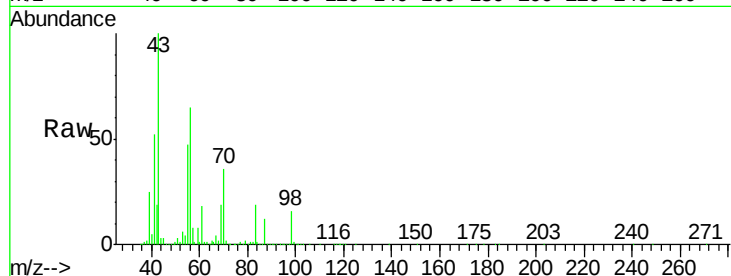
Isopropyl Acetate
 Concen: 59.349 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	16.1	24.1
87	12.7	11.5	17.3

Manual Integrations
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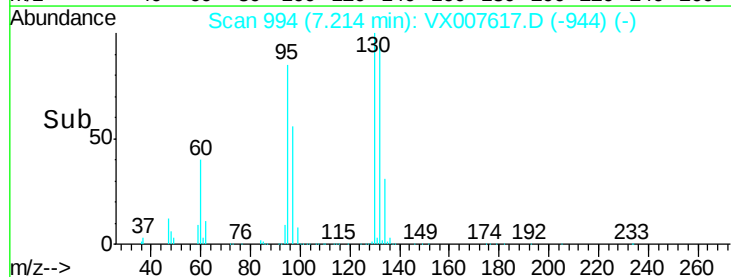
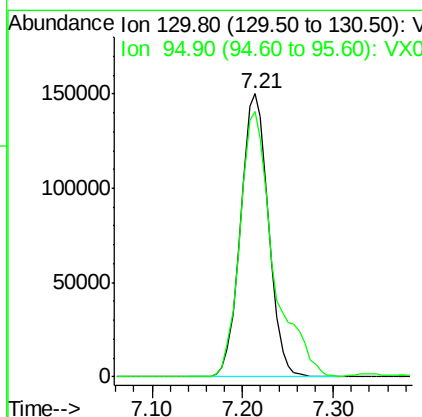
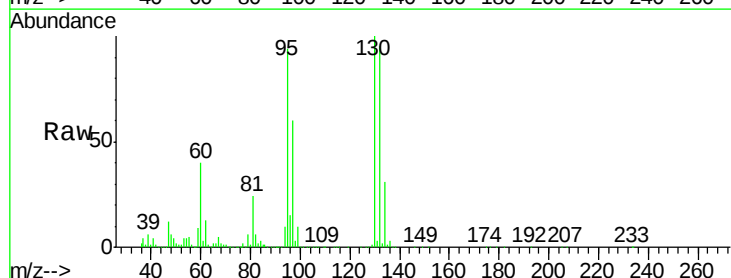
MMDadoda
 2/20/2019 10:34:59 AM

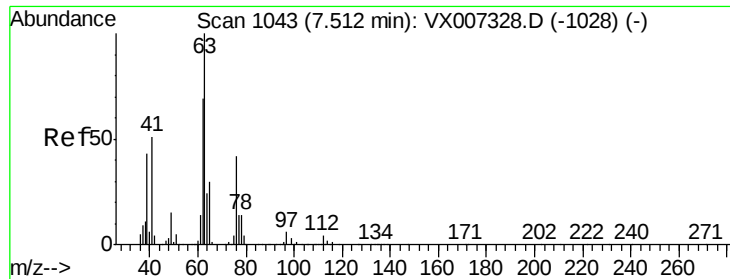


#44

Trichloroethene
 Concen: 44.961 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	180.0





#45

1,2-Dichloropropane

Concen: 49.445 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion: 63 Resp: 291063

Ion Ratio Lower Upper

63 100

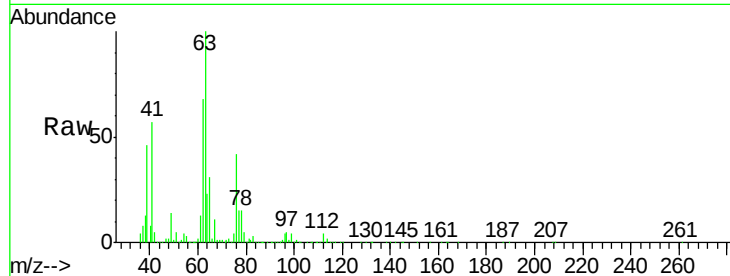
65 30.7 24.2 36.2

Manual Integrations

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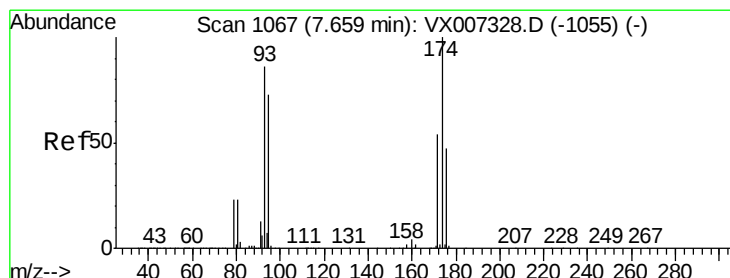
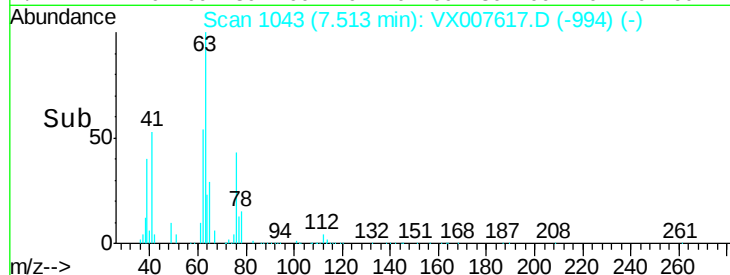
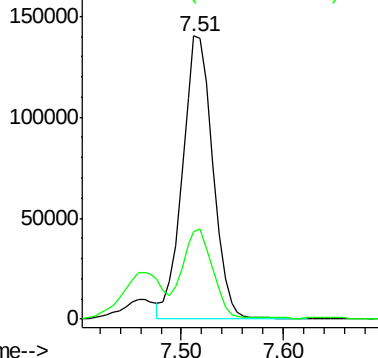
MMDadoda

2/20/2019 10:34:59 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.511 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

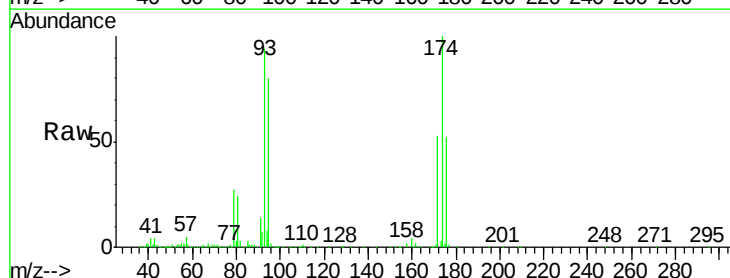
Tgt Ion: 93 Resp: 198996

Ion Ratio Lower Upper

93 100

95 95.4 67.6 101.4

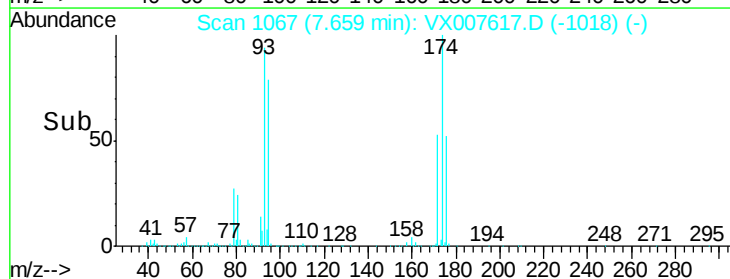
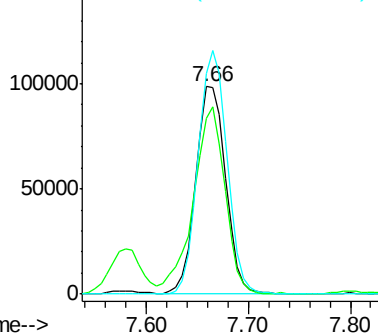
174 113.5 94.2 141.4

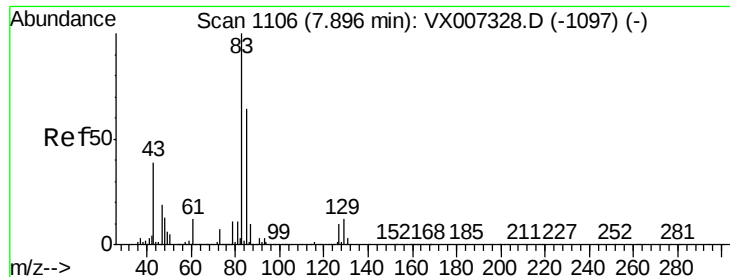


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.770 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

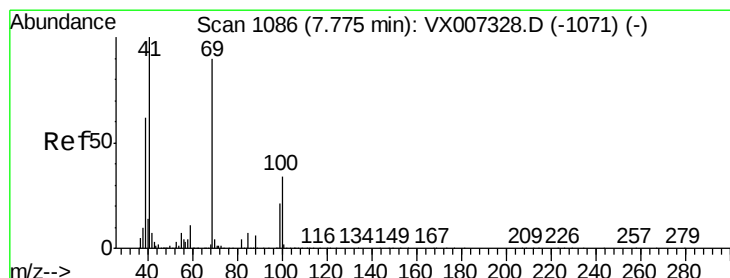
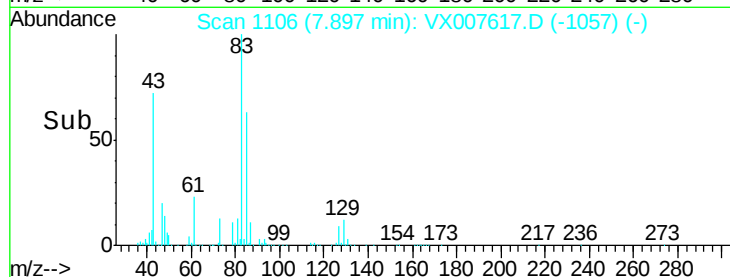
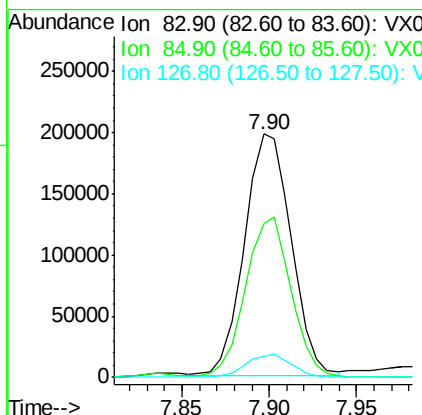
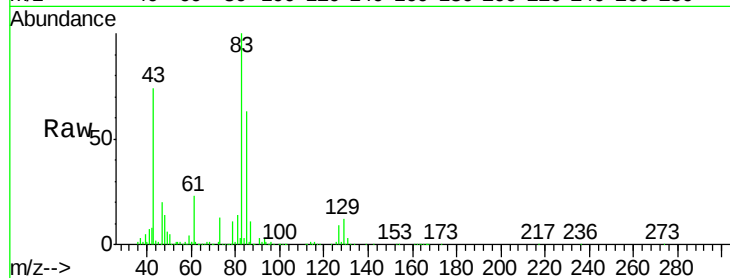
ClientSampled :

MW-1MSD

Tot Ion:	83	Resp:	368128
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.4	77.0
127	8.9	8.1	12.1

Manual Integrations
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2/20/2019 10:34:59 AM



#48

Methyl methacrylate

Concen: 55.728 ug/l

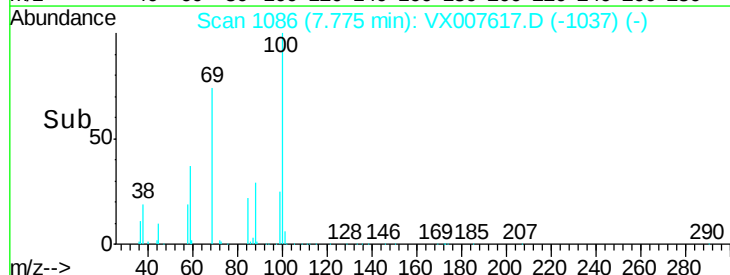
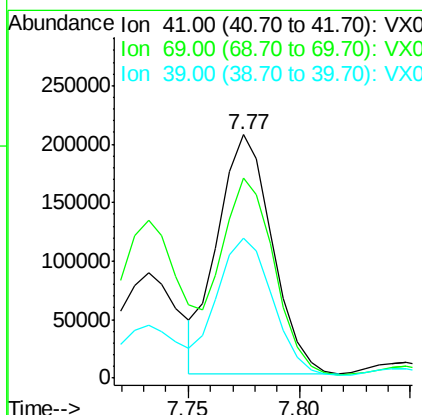
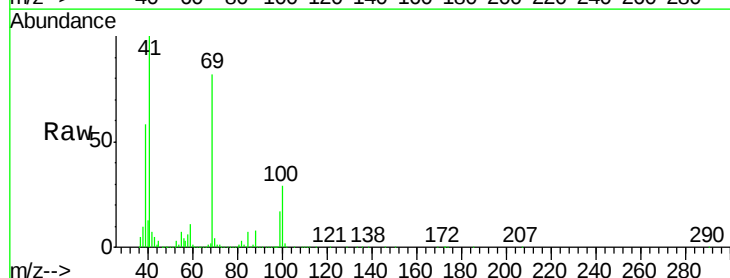
RT: 7.77 min Scan# 1086

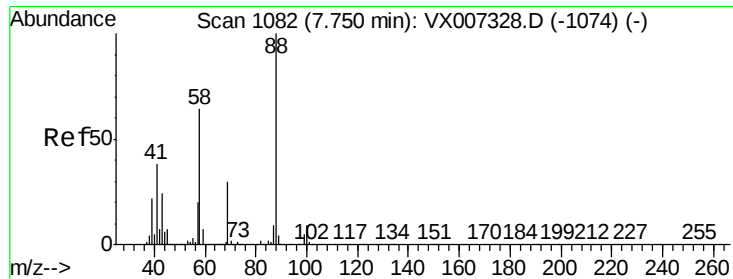
Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tgt Ion:	41	Resp:	346894
Ion Ratio	Lower	Upper	
41	100		
69	81.0	70.2	105.4
39	58.9	47.4	71.0





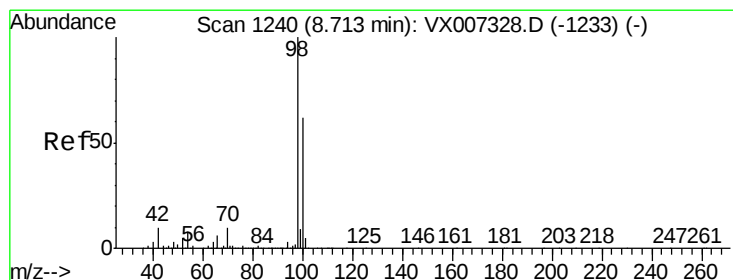
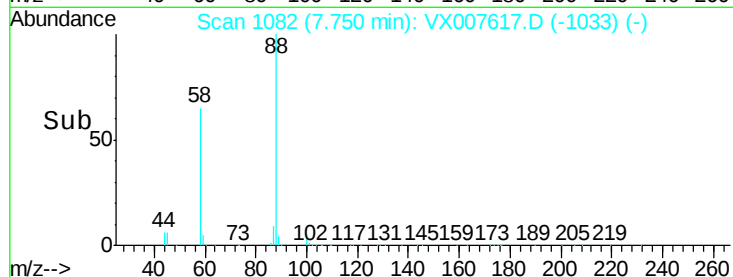
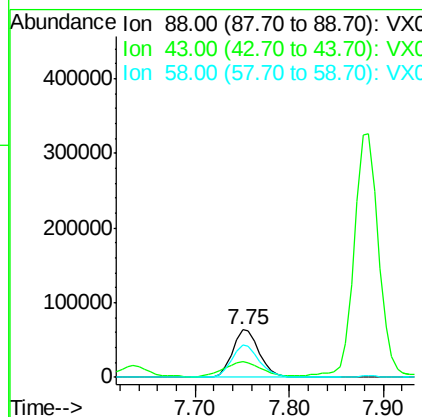
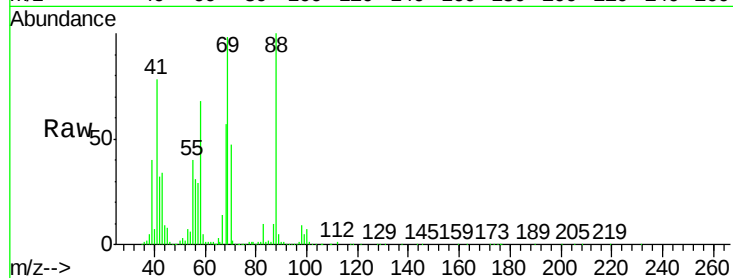
#49
1,4-Dioxane
Concen: 893.359 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-1MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.6	24.2	36.4#
58	68.8	53.0	79.4

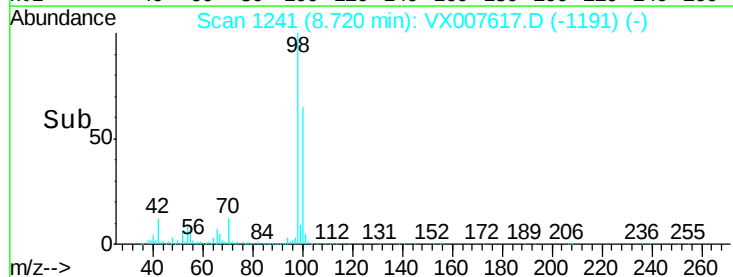
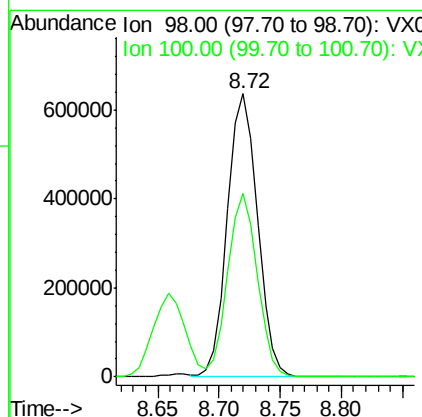
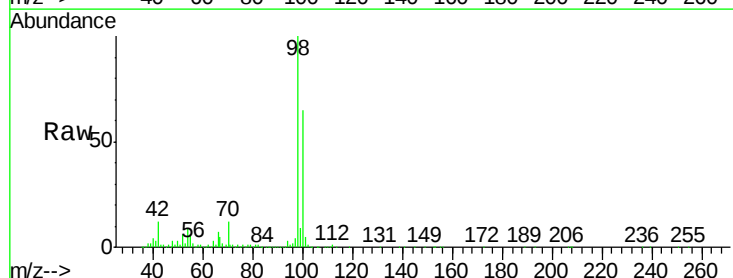
Manual Integrations
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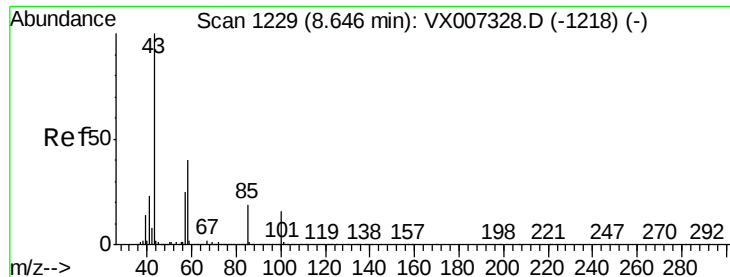
MMDadoda
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#50
Toluene-d8
Concen: 50.582 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 272.263 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampled :

MW-1MSD

Tot Ion: 43 Resp: 2230502

Ion Ratio Lower Upper

43 100

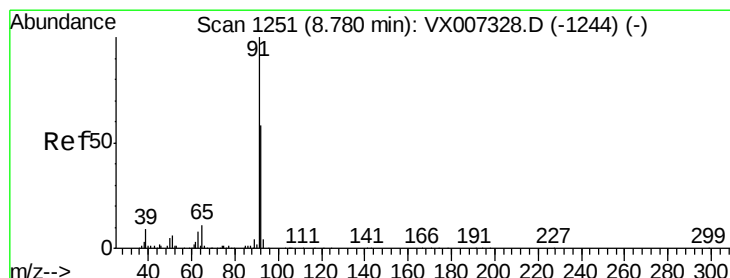
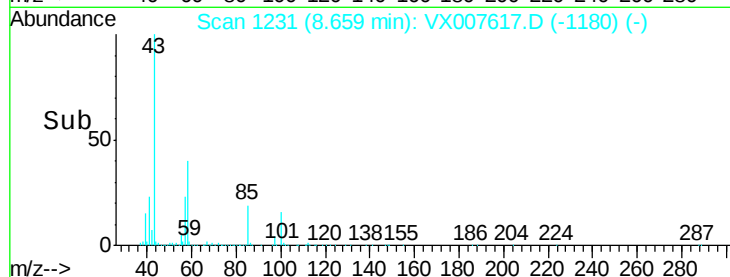
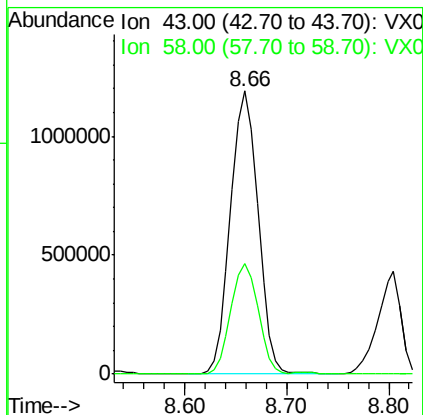
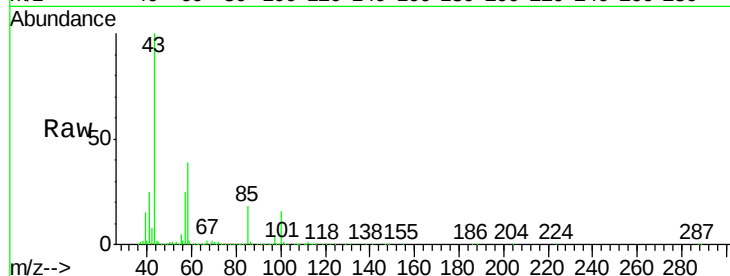
58 39.0 31.2 46.8

Manual Integrations

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#52

Toluene

Concen: 1611.884 ug/l m

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007617.D

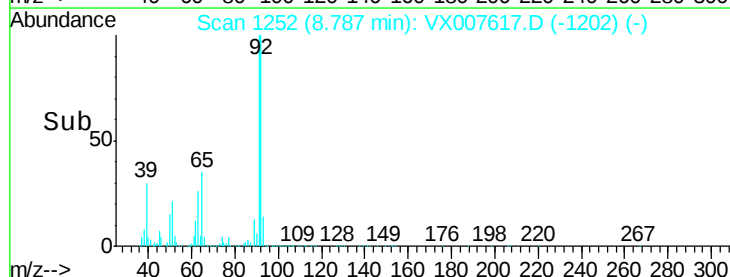
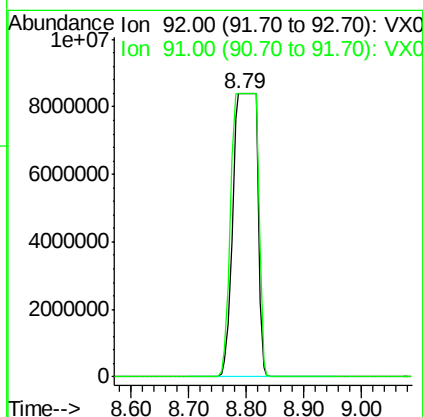
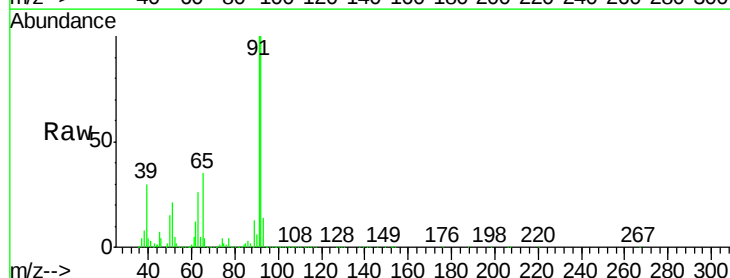
Acq: 19 Feb 2019 16:57

Tgt Ion: 92 Resp: 24433642

Ion Ratio Lower Upper

92 100

91 0.0 139.1 208.7#





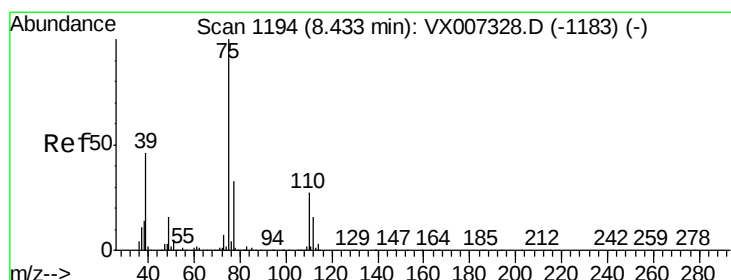
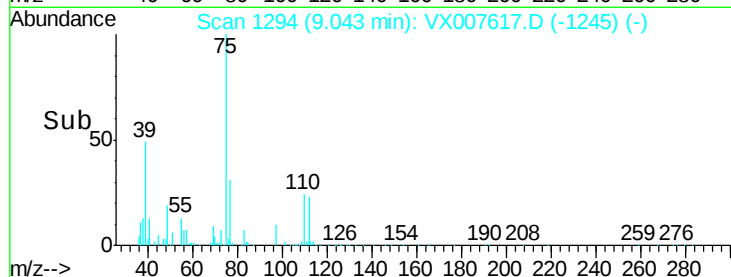
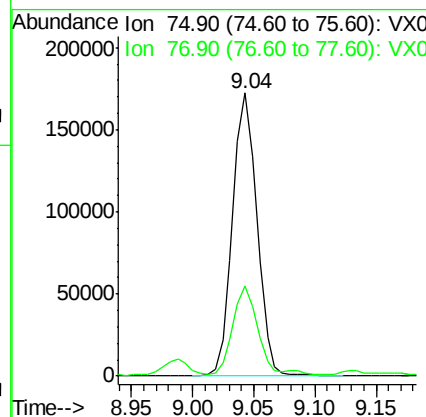
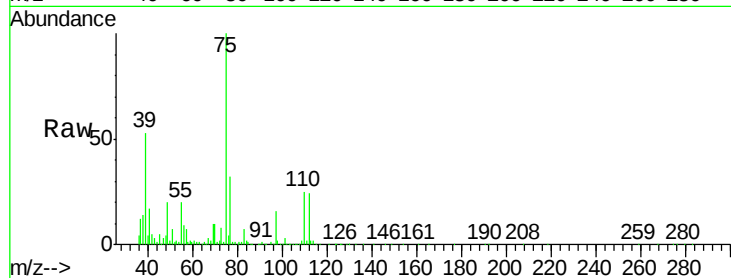
#53
t-1,3-Dichloropropene
Concen: 30.441 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-1MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.2	37.8

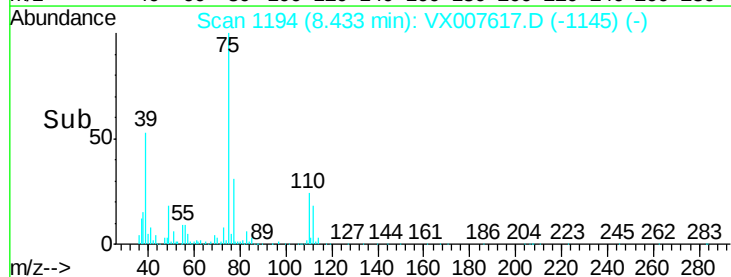
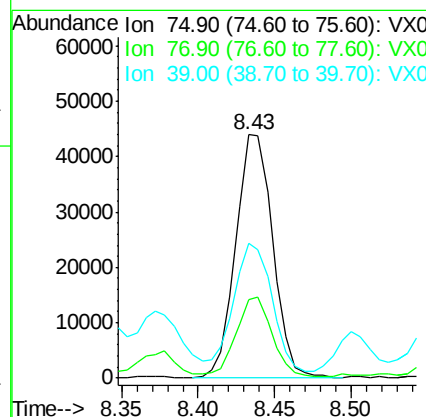
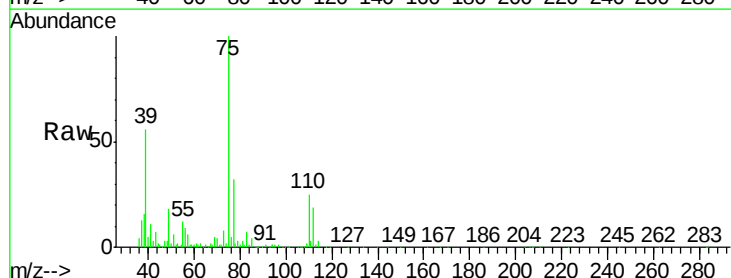
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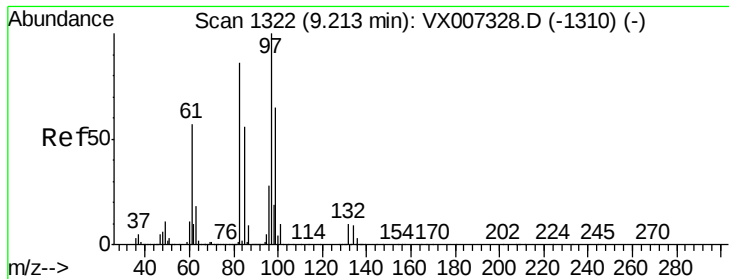
MMDadoda
2/20/2019 10:34:59 AM



#54
cis-1,3-Dichloropropene
Concen: 8.577 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.2	39.4
39	45.9	37.1	55.7





#55

1,1,2-Trichloroethane

Concen: 47.919 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

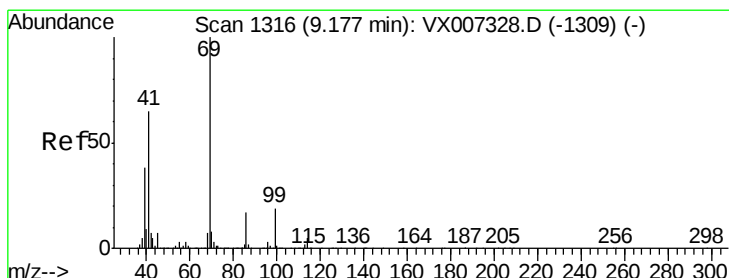
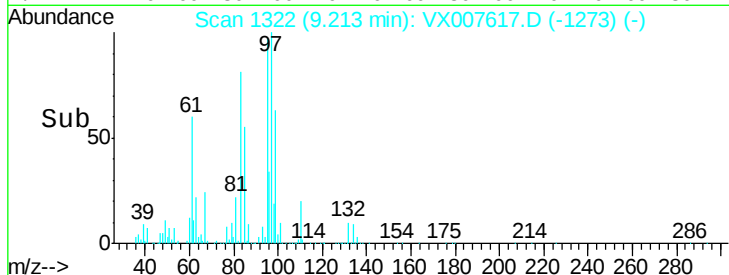
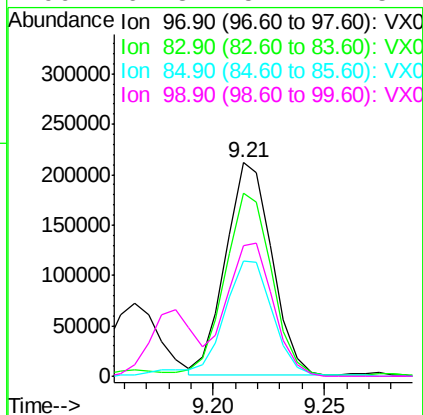
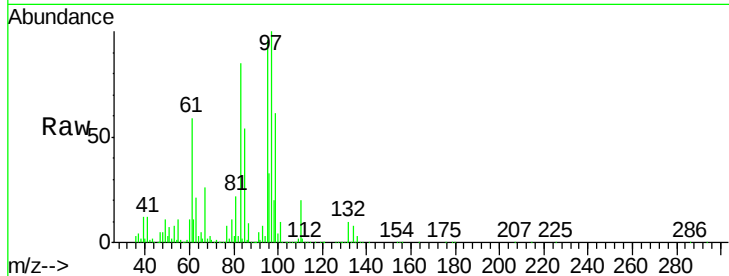
ClientSampleId :

MW-1MSD

Tot Ion:	97	Resp:	302784
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.6	102.8
85	54.0	44.5	66.7
99	61.8	52.2	78.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 58.444 ug/l

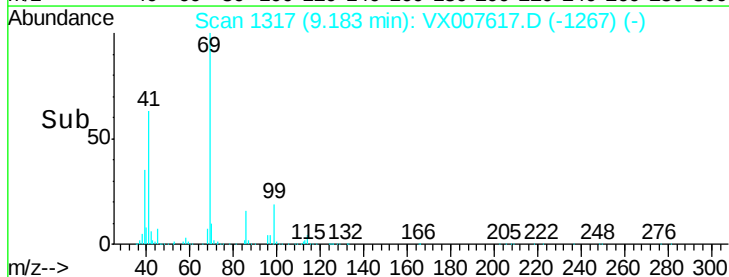
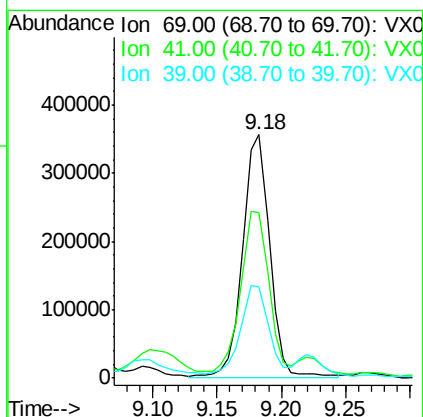
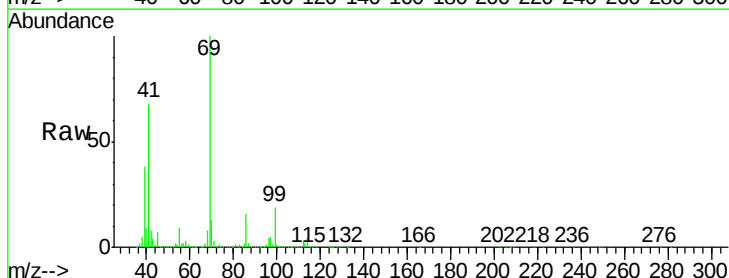
RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tgt Ion:	69	Resp:	511467
Ion	Ratio	Lower	Upper
69	100		
41	72.8	52.1	78.1
39	38.9	30.1	45.1





#57

1,3-Dichloropropane

Concen: 49.980 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion: 76 Resp: 502228

Ion Ratio Lower Upper

76 100

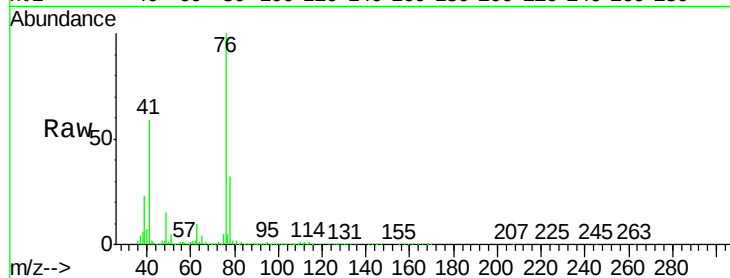
78 31.8 25.8 38.8

Manual Integrations

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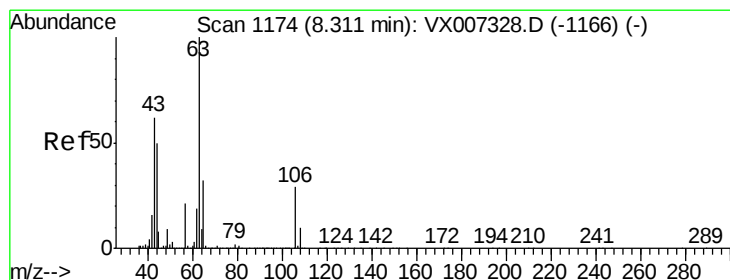
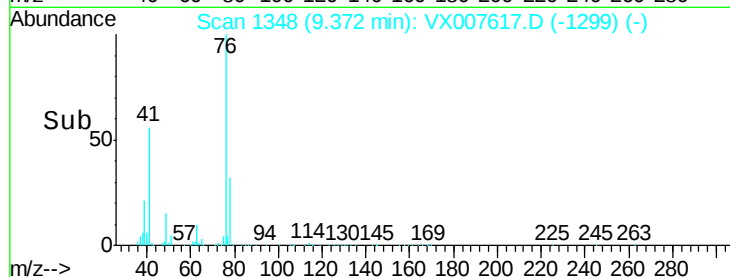
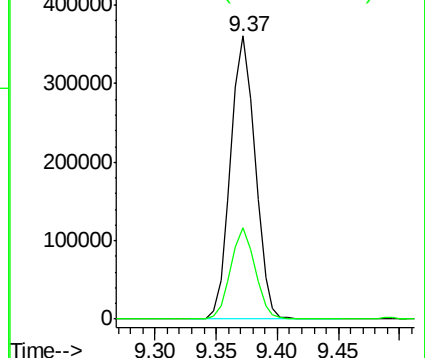
MMDadoda

2/20/2019 10:34:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 267.312 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX007617.D

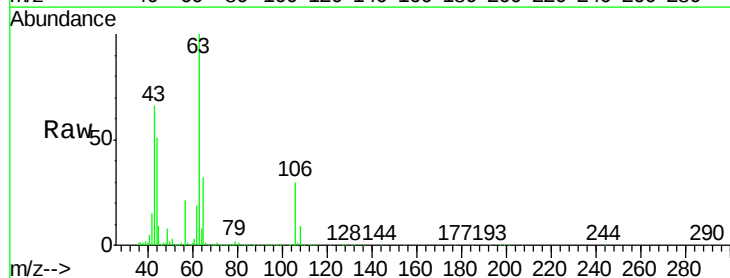
Acq: 19 Feb 2019 16:57

Tgt Ion: 63 Resp: 1233039

Ion Ratio Lower Upper

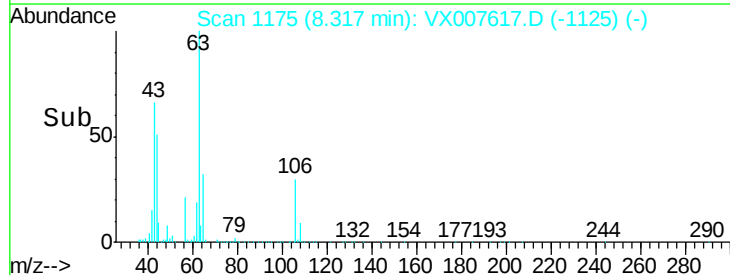
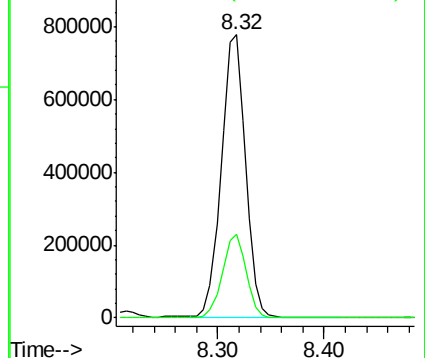
63 100

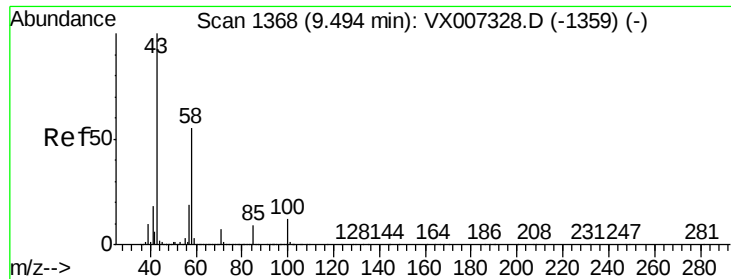
106 28.9 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





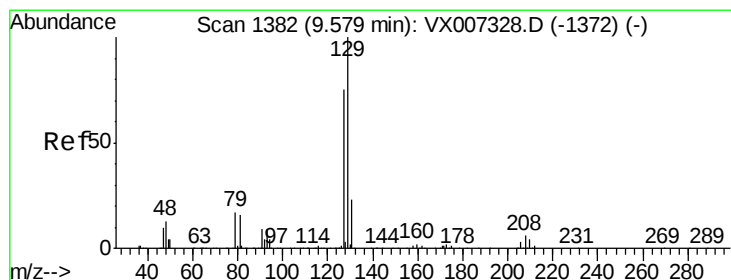
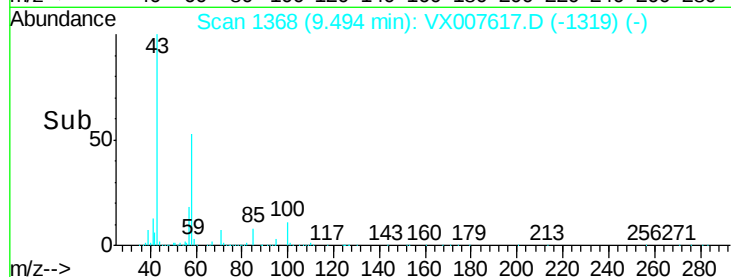
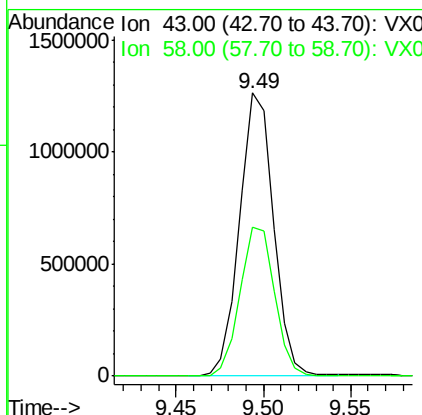
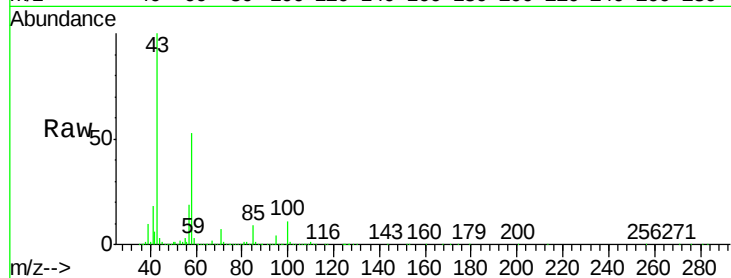
#59
2-Hexanone
Concen: 267.448 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampled :
MW-1MSD

Tot Ion: 43 Resp: 1705006
Ion Ratio Lower Upper
43 100
58 54.3 27.1 81.3

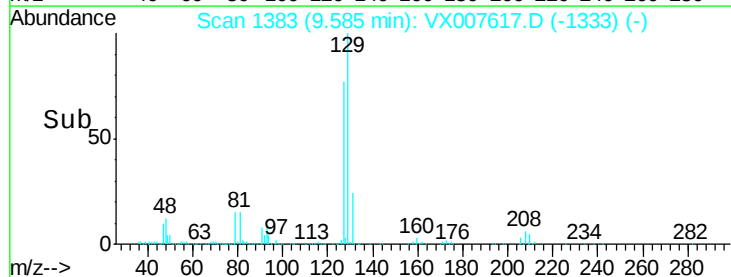
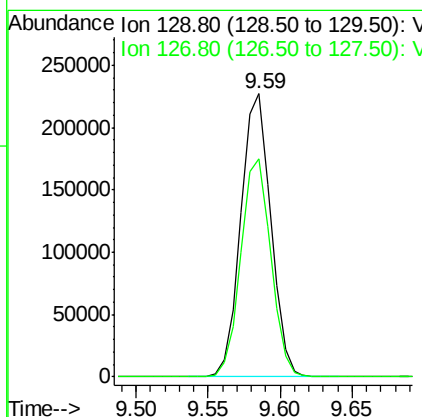
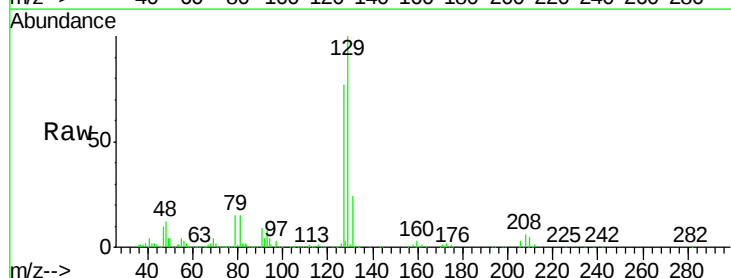
Manual Integrations
APPROVED

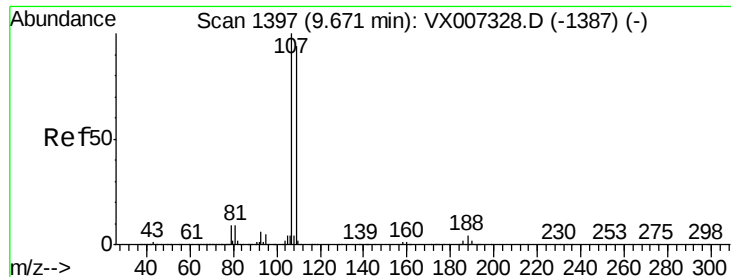
MMDadoda
2/20/2019 10:34:59 AM



#60
Dibromochloromethane
Concen: 54.881 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion: 129 Resp: 327970
Ion Ratio Lower Upper
129 100
127 77.3 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.144 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion: 107 Resp: 328849

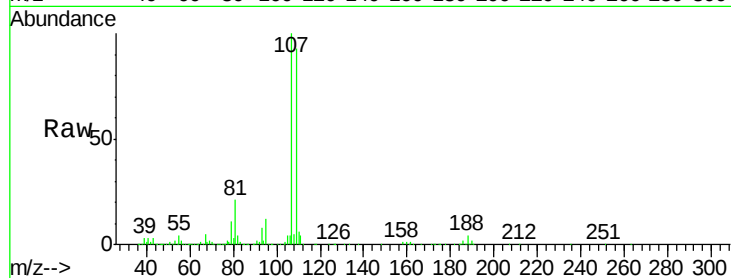
Ion Ratio Lower Upper

107 100

109 95.4 75.1 112.7

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:34:59 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

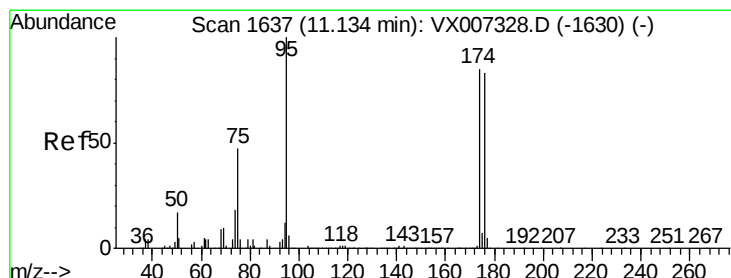
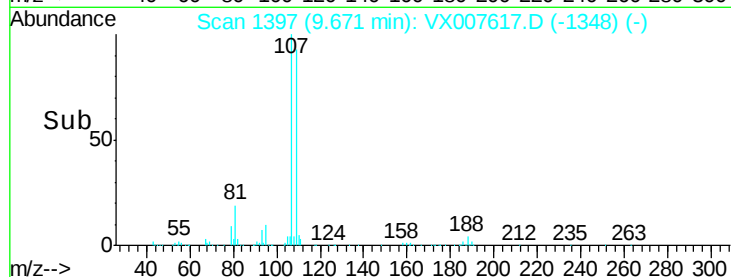
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.654 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

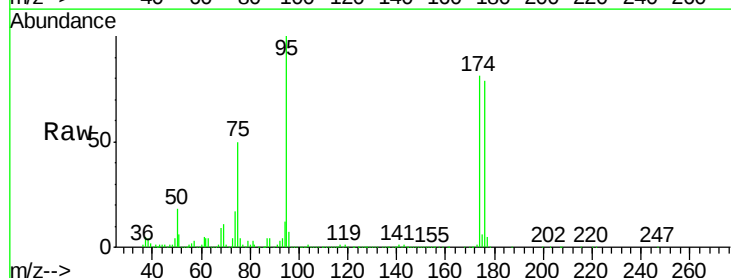
Tgt Ion: 95 Resp: 404703

Ion Ratio Lower Upper

95 100

174 88.4 0.0 189.2

176 86.7 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

400000

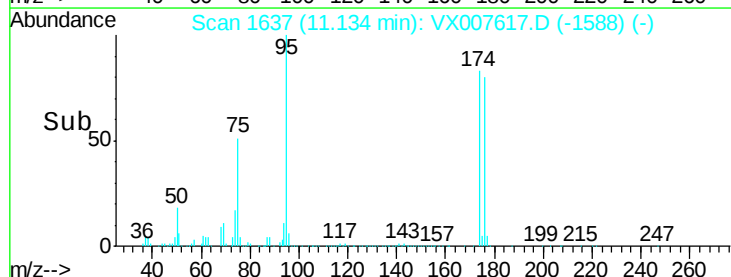
300000

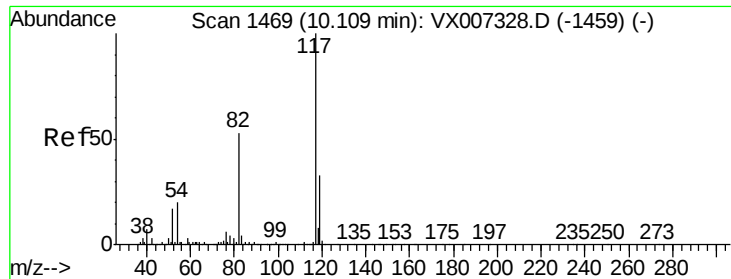
200000

100000

0

Time-->





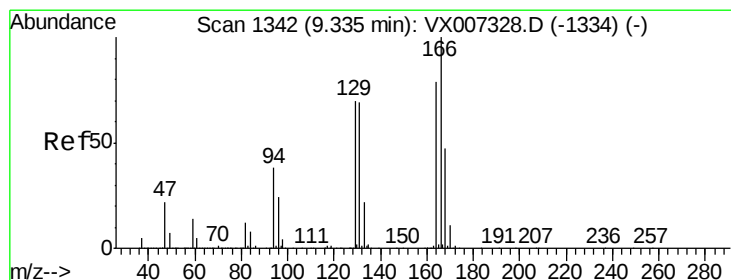
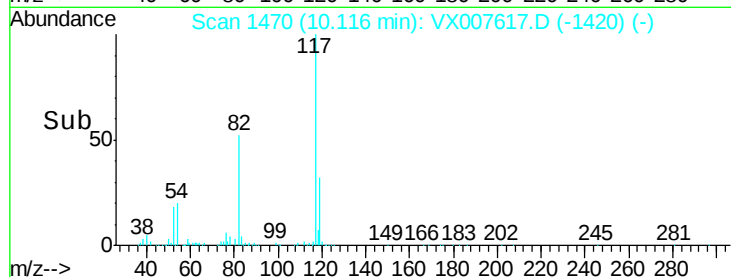
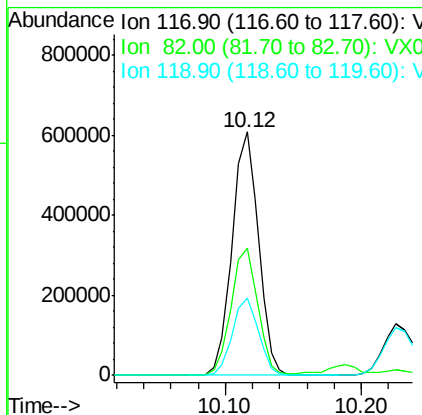
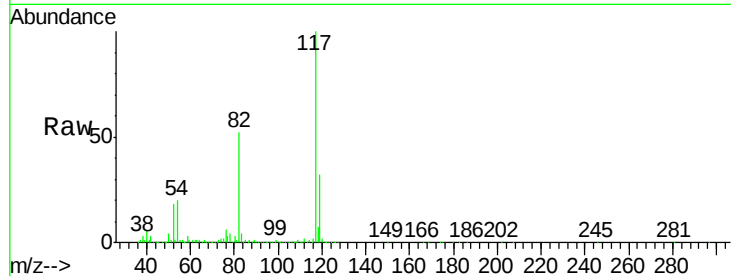
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-1MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.1	63.1
119	31.9	26.5	39.7

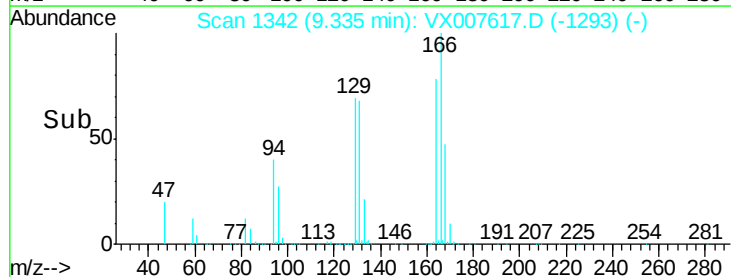
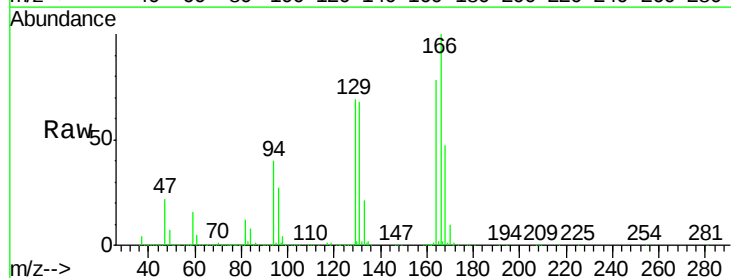
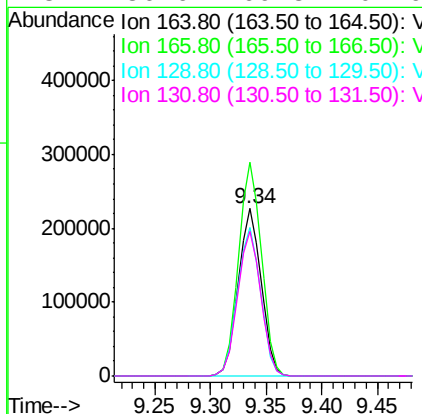
Manual Integrations
APPROVED

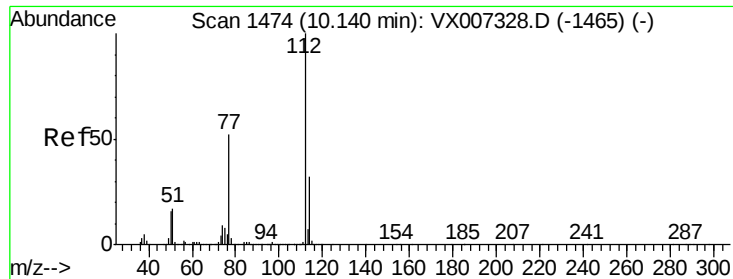
MMDadoda
2/20/2019 10:34:59 AM



#64
Tetrachloroethene
Concen: 41.725 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.0	151.4
129	88.3	70.5	105.7
131	86.6	69.8	104.6





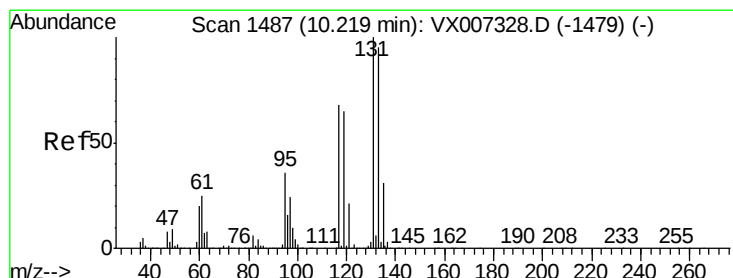
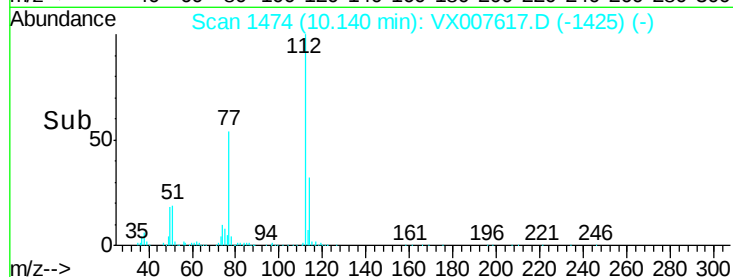
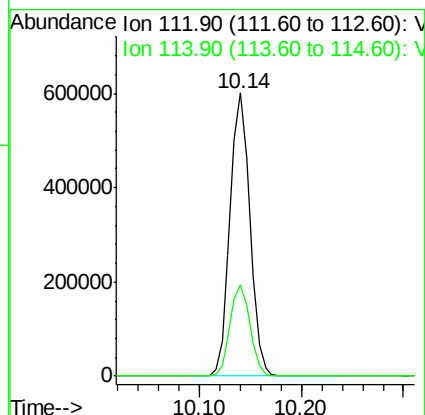
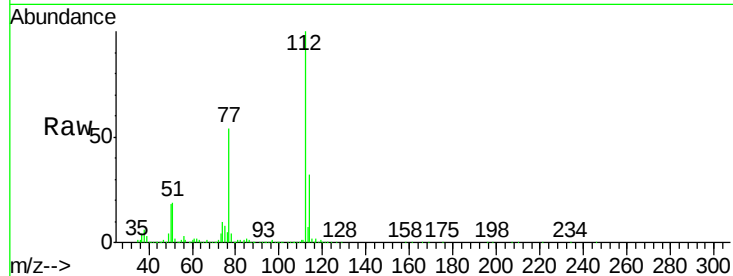
#65
Chlorobenzene
Concen: 45.228 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	811328		
114	32.4	25.8	38.6	

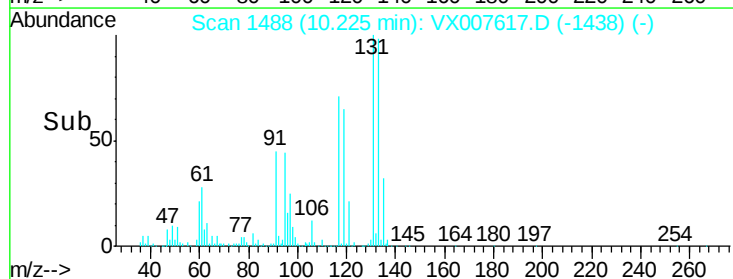
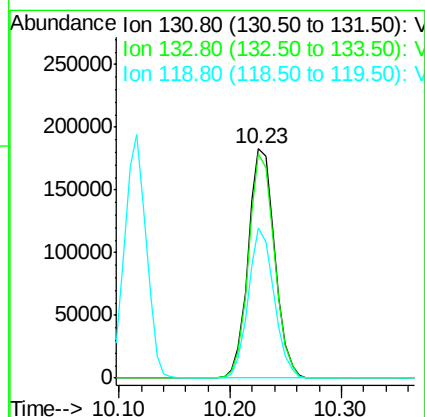
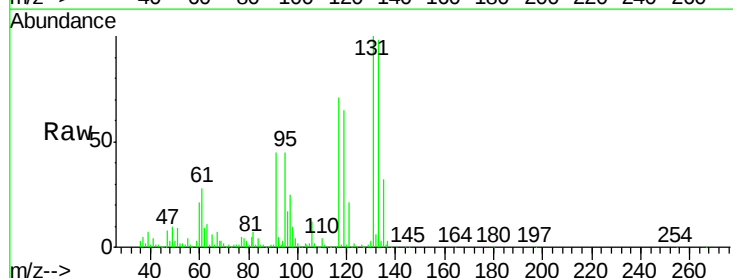
Manual Integrations
APPROVED

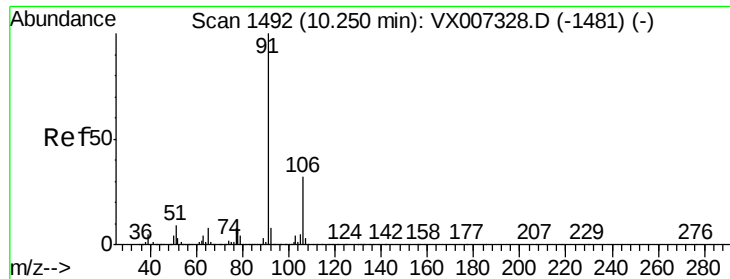
MMDadoda
2/20/2019 10:34:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.085 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	301222		
133	95.8	48.0	144.2	
119	64.3	32.0	96.0	





#67

Ethyl Benzene

Concen: 785.036 ug/l m

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion: 91 Resp:22677962

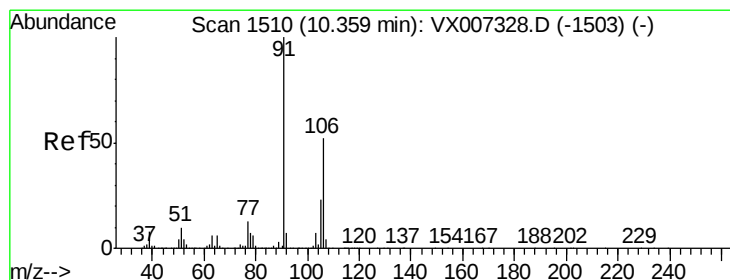
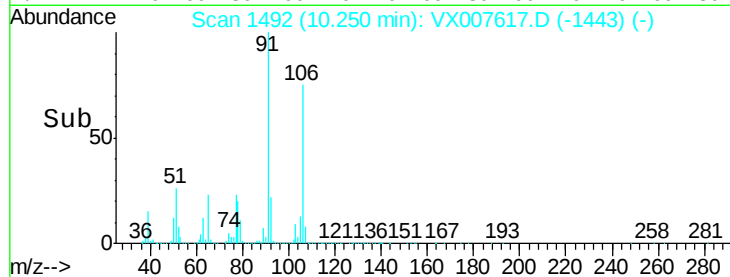
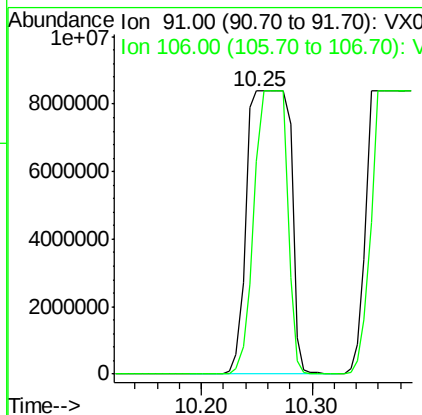
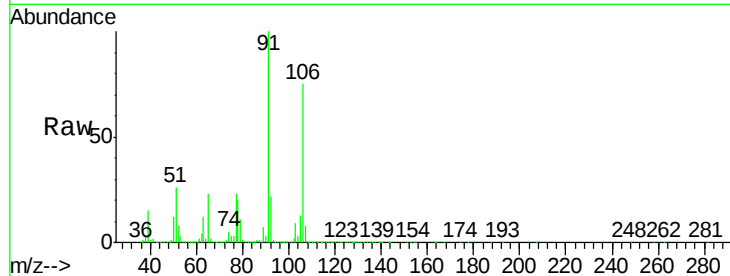
Ion Ratio Lower Upper

91 100

106 75.1 25.4 38.0#

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:34:59 AM



#68

m/p-Xylenes

Concen: 1937.215 ug/l m

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007617.D

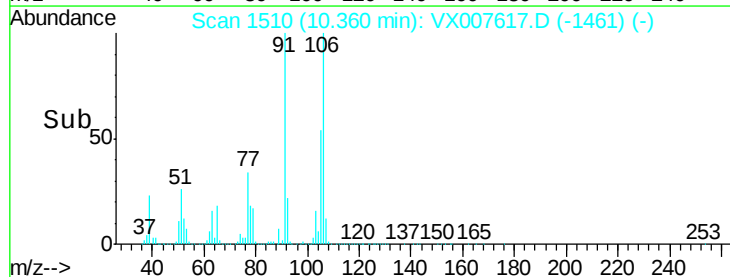
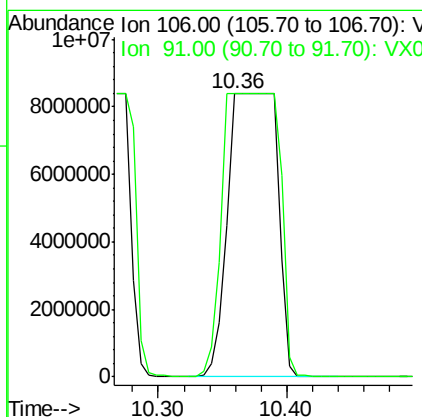
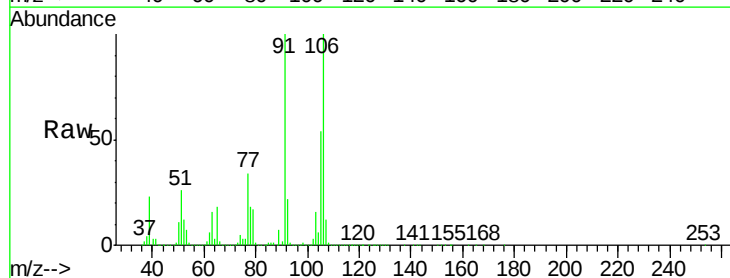
Acq: 19 Feb 2019 16:57

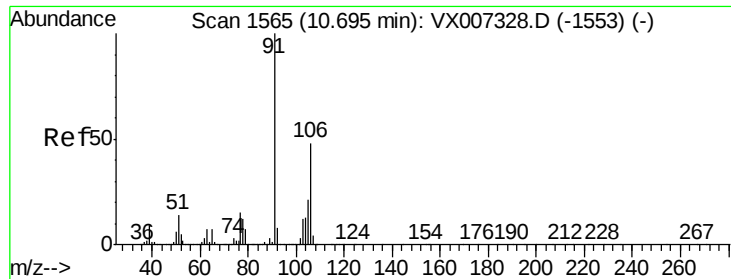
Tgt Ion:106 Resp:22245572

Ion Ratio Lower Upper

106 100

91 0.0 156.6 234.8#





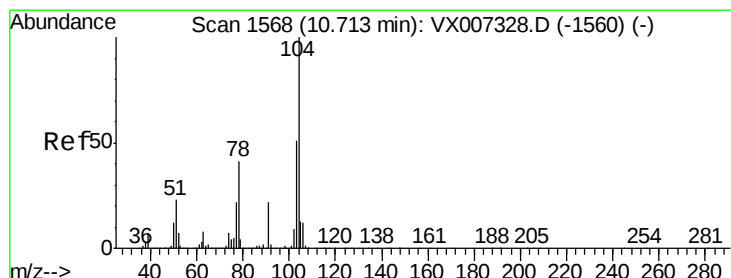
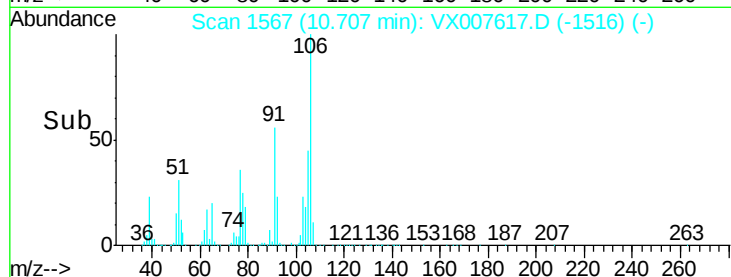
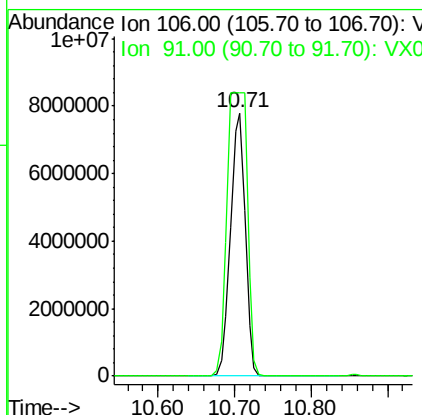
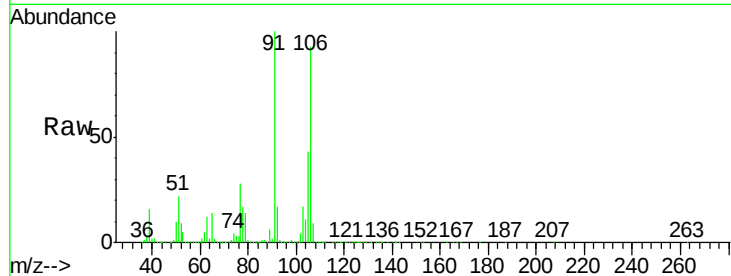
#69
o-Xylene
Concen: 943.289 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-1MSD

Tot Ion:106 Resp:10423120
Ion Ratio Lower Upper
106 100
91 148.2 102.9 308.7

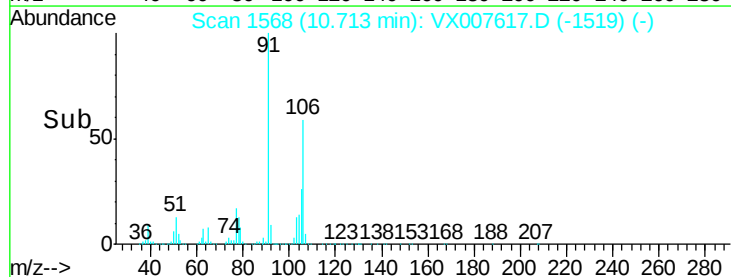
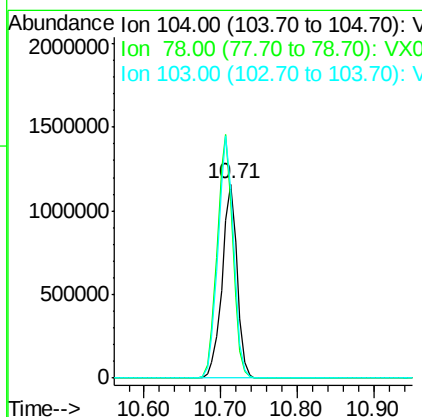
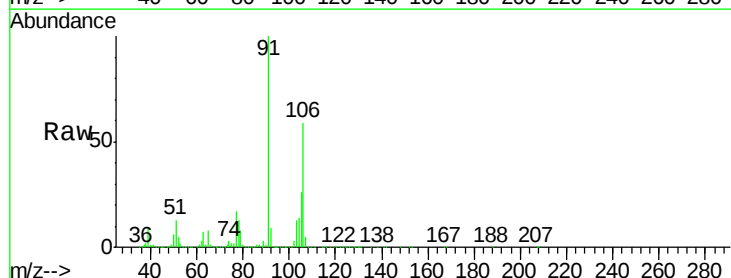
Manual Integrations
APPROVED

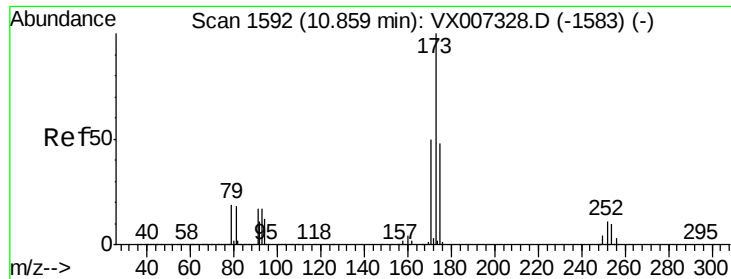
MMDadoda
2/20/2019 10:34:59 AM



#70
Styrene
Concen: 87.646 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion:104 Resp: 1570628
Ion Ratio Lower Upper
104 100
78 129.8 38.3 57.5#
103 129.1 44.6 67.0#





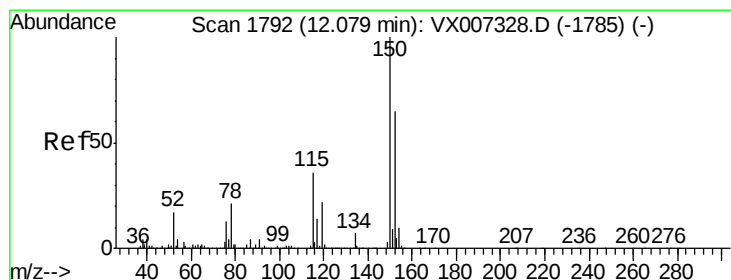
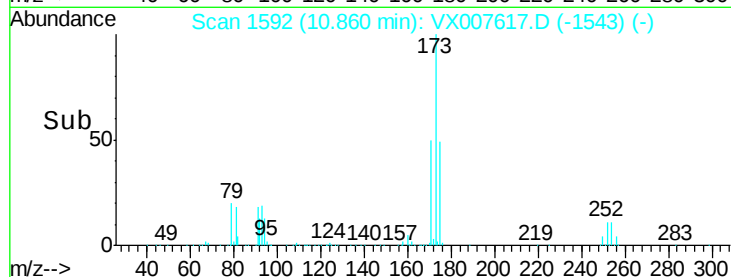
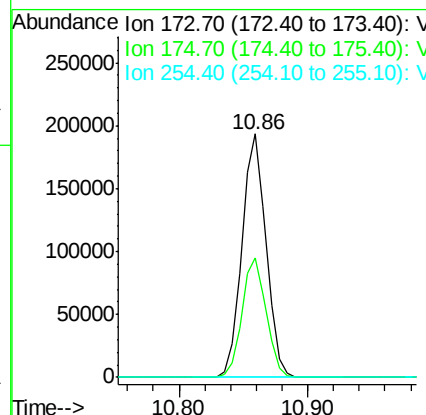
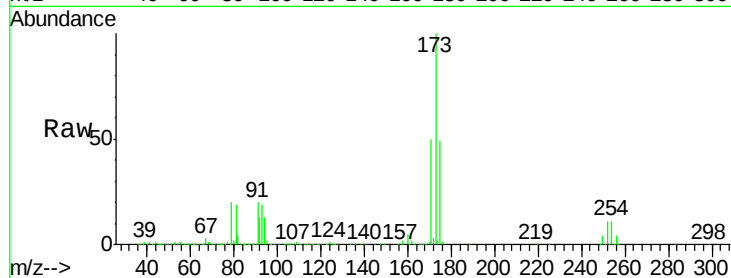
#71
Bromoform
Concen: 47.661 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampled :
MW-1MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.2	0.2	0.2

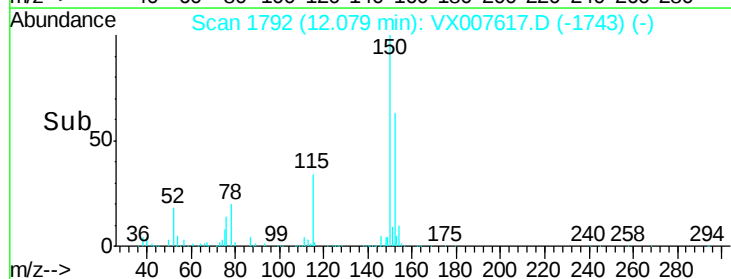
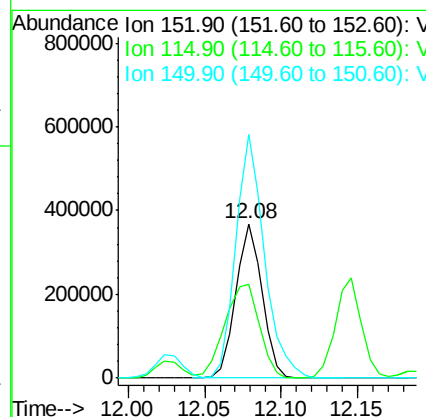
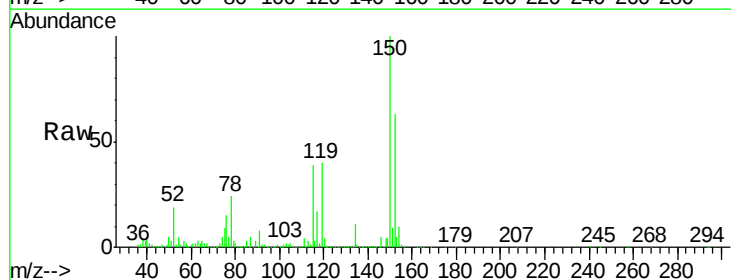
Manual Integrations
APPROVED

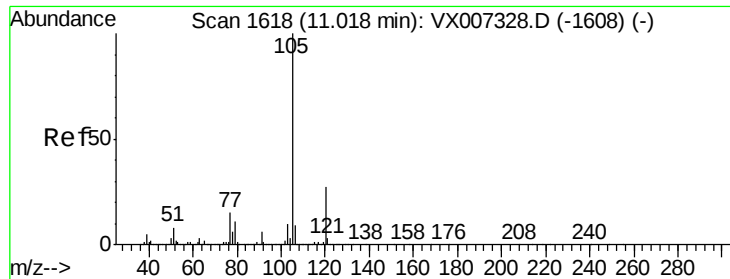
MMDadoda
2/20/2019 10:34:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.6	38.0	114.0
150	173.1	0.0	346.4





#73

Isopropylbenzene

Concen: 158.671 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion:105 Resp: 4689083

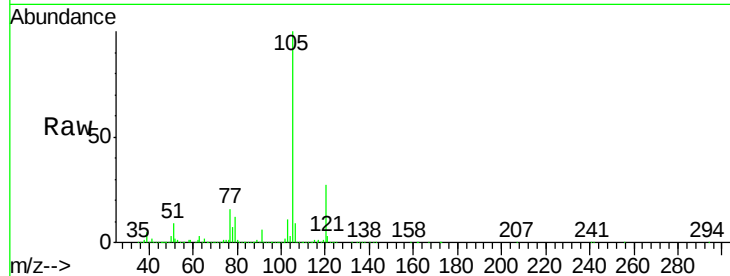
Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7

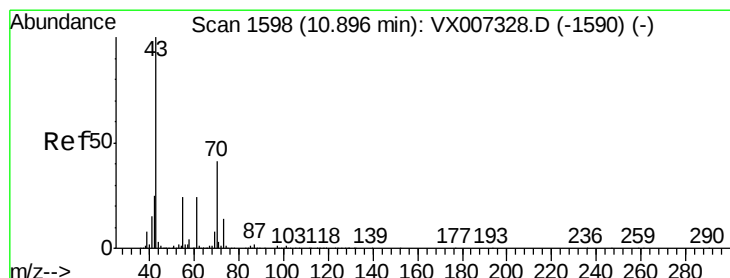
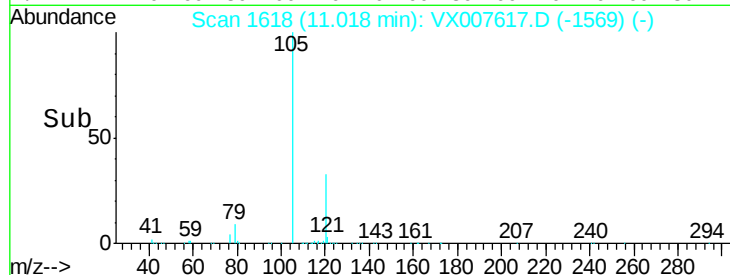
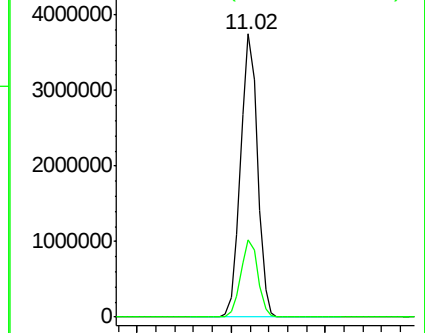
Manual Integrations
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MMDadoda
2/20/2019 10:34:59 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.437 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tgt Ion: 43 Resp: 633674

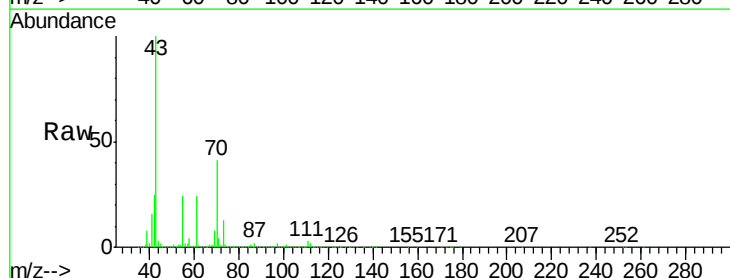
Ion Ratio Lower Upper

43 100

70 42.1 33.8 50.6

55 24.3 19.5 29.3

61 24.1 19.4 29.2

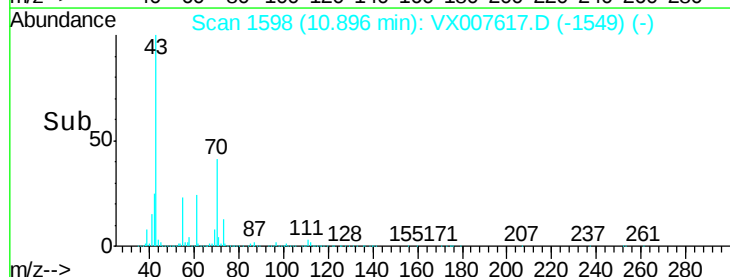
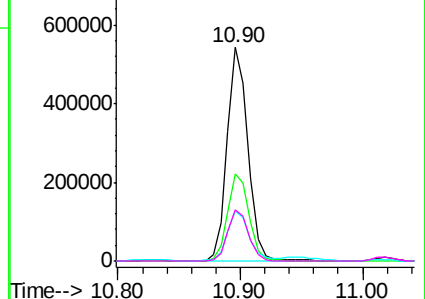


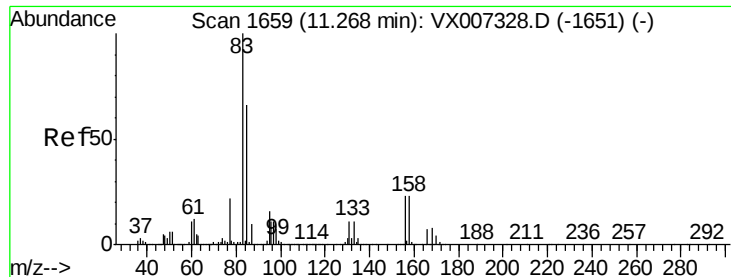
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.230 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

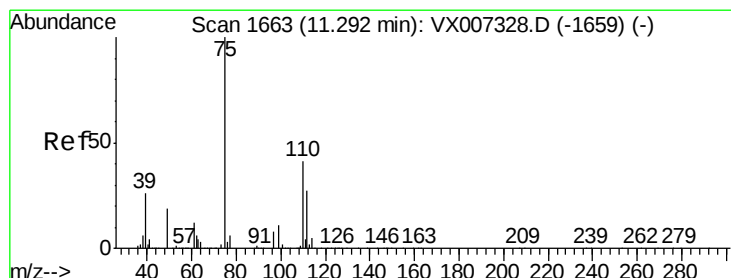
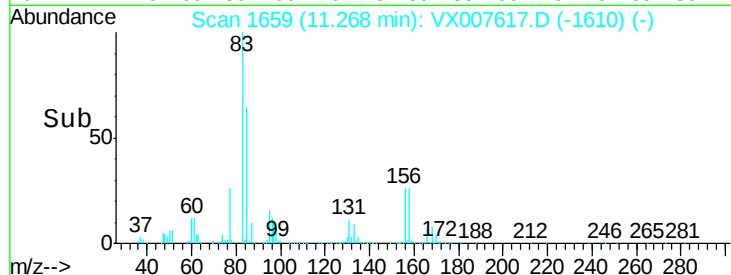
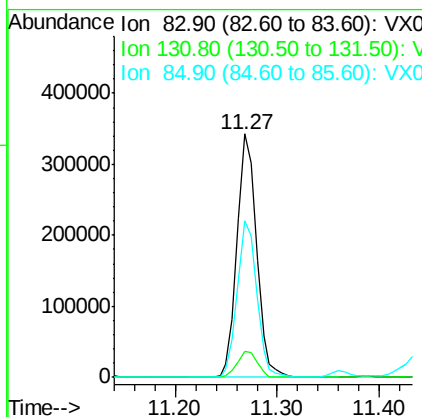
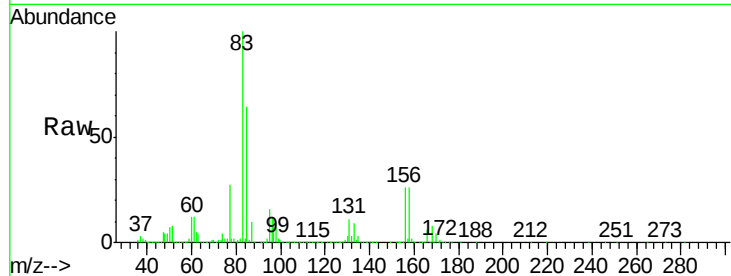
ClientSampleId :

MW-1MSD

Tot Ion:	83	Resp:	452388
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	64.2	32.8	98.3

Manual Integrations
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MMDadoda
2/20/2019 10:34:59 AM



#76

1,2,3-Trichloropropane

Concen: 48.794 ug/l

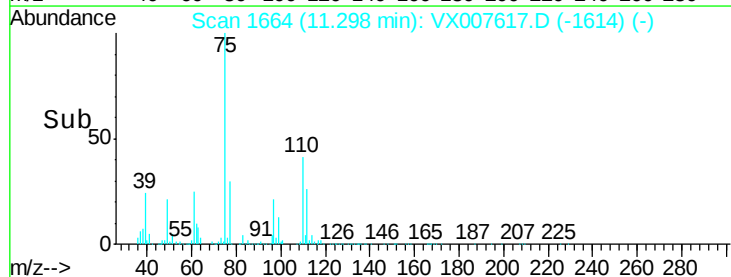
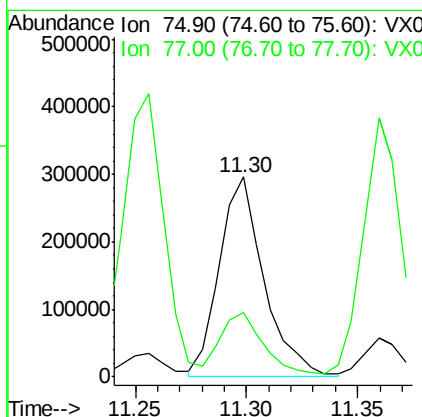
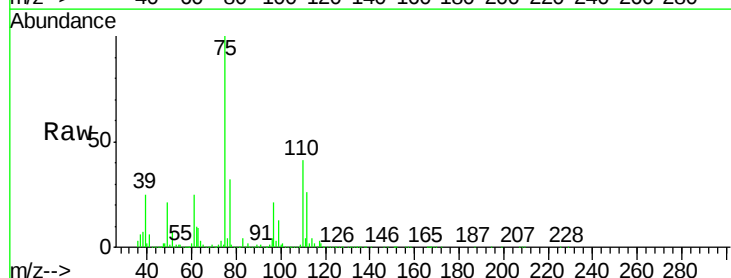
RT: 11.30 min Scan# 1664

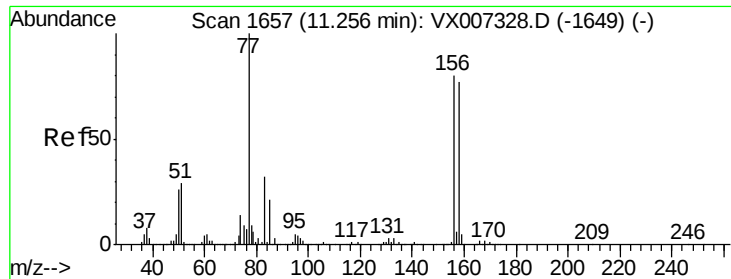
Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tgt Ion:	75	Resp:	412743
Ion Ratio	Lower	Upper	
75	100		
77	0.0	23.0	69.0#





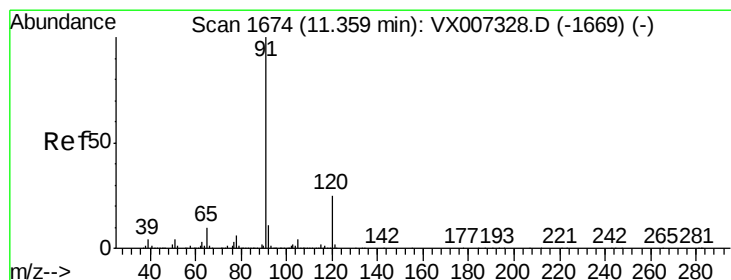
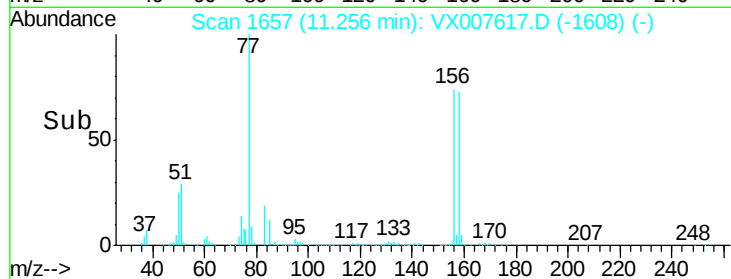
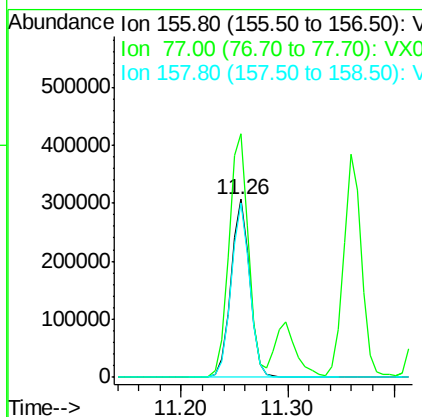
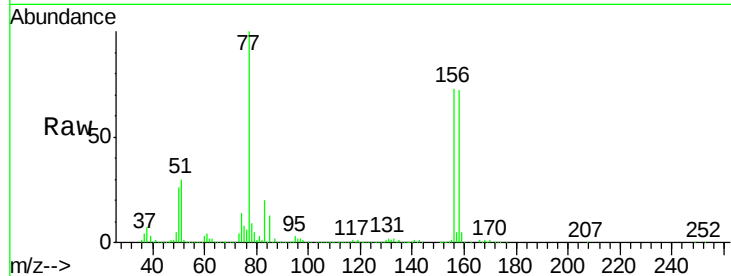
#77
Bromobenzene
Concen: 45.577 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-1MSD

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	141.9	66.8	200.6	
158	96.7	47.9	143.8	

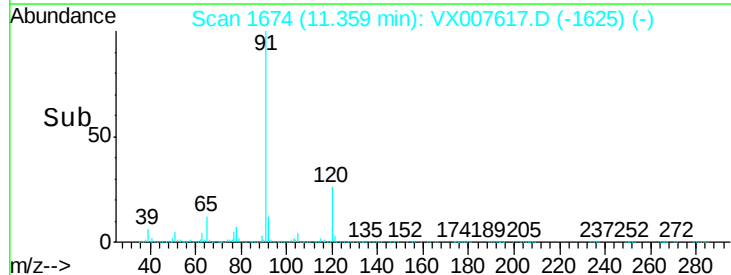
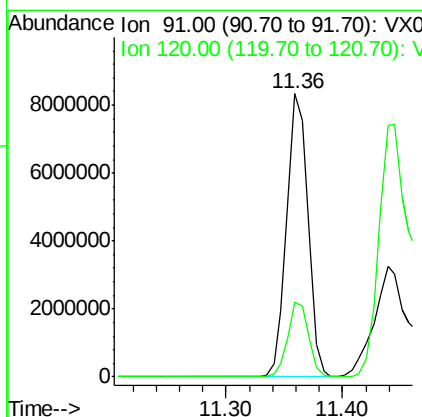
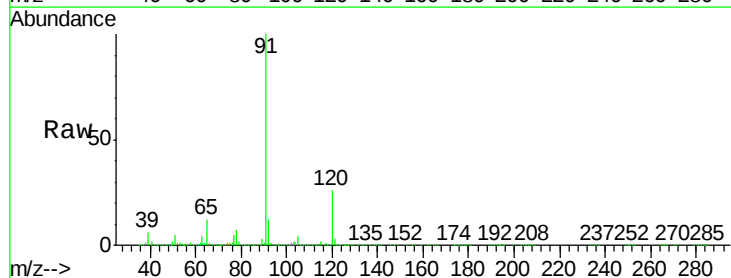
Manual Integrations
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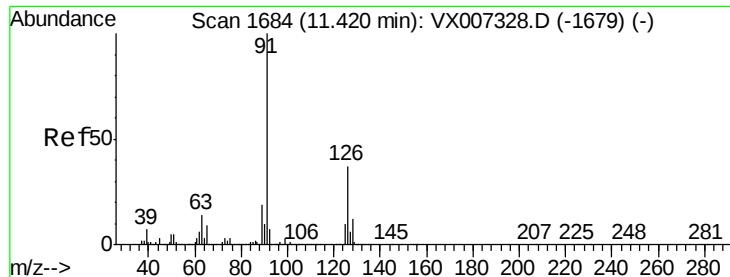
MMDadoda
2/20/2019 10:34:59 AM



#78
n-propylbenzene
Concen: 324.006 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	25.8	12.4	37.2	





#79

2-Chlorotoluene

Concen: 261.078 ug/l m

RT: 11.44 min Scan# 1687

Delta R.T. 0.02 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion: 91 Resp: 5133625

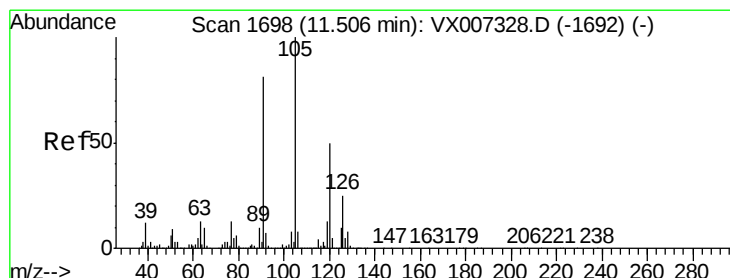
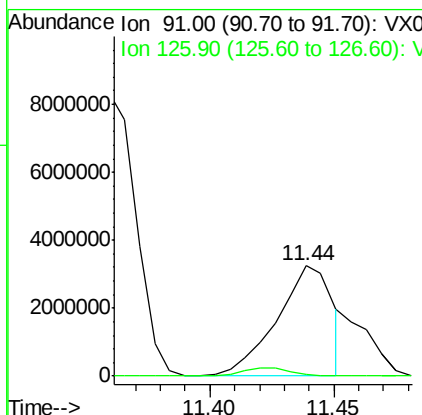
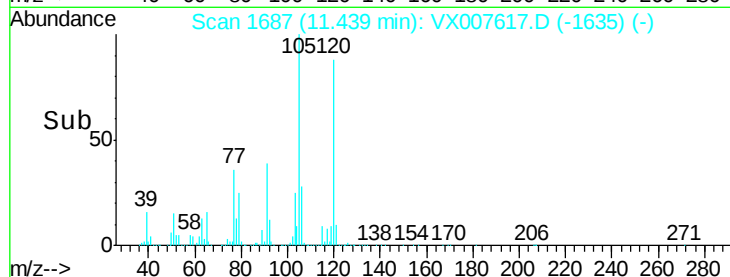
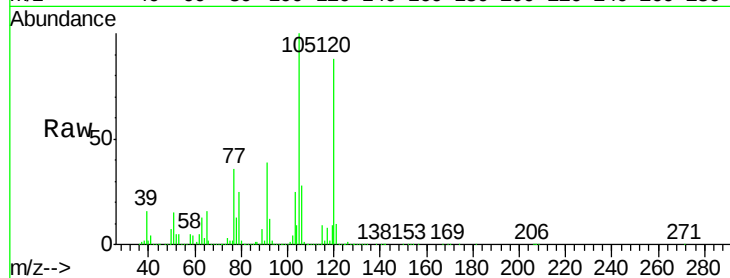
Ion Ratio Lower Upper

91 100

126 6.8 18.7 56.1#

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#80

1,3,5-Trimethylbenzene

Concen: 456.533 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX007617.D

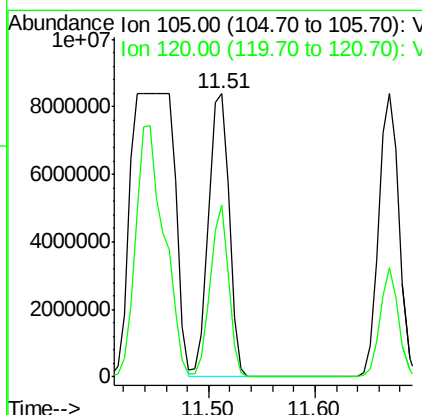
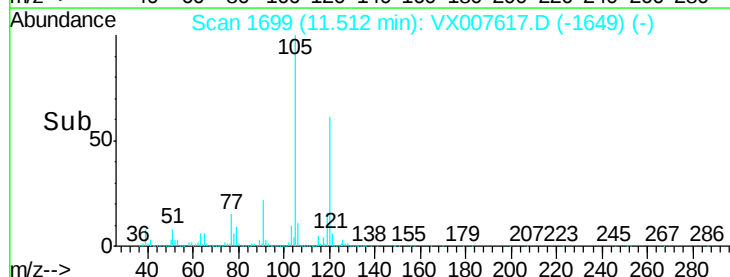
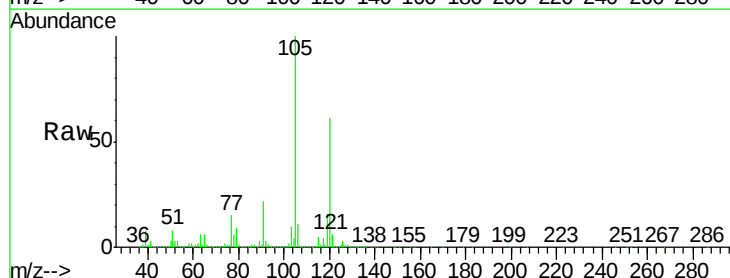
Acq: 19 Feb 2019 16:57

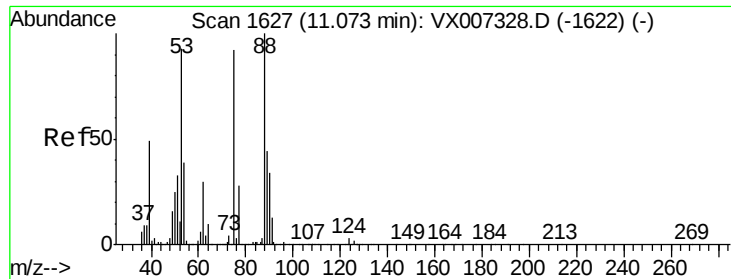
Tgt Ion: 105 Resp: 11037746

Ion Ratio Lower Upper

105 100

120 54.3 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 5.318 ug/l m

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion: 75 Resp: 3257

Ion Ratio Lower Upper

75 100

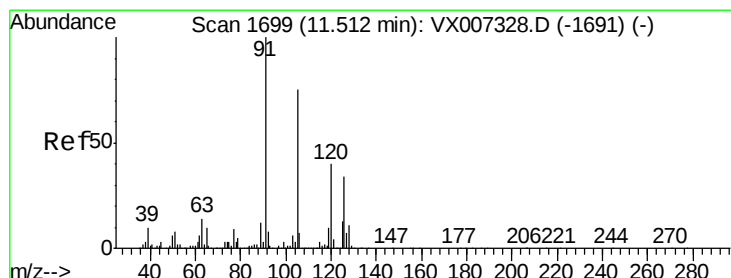
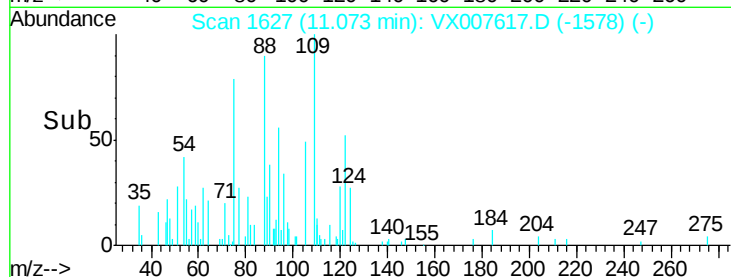
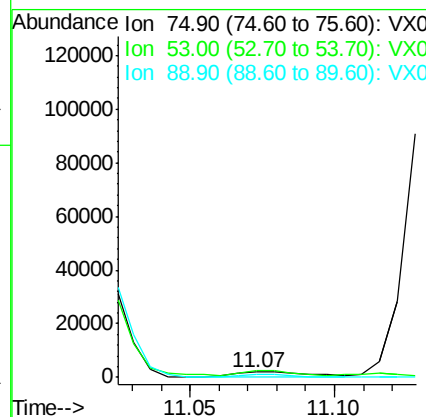
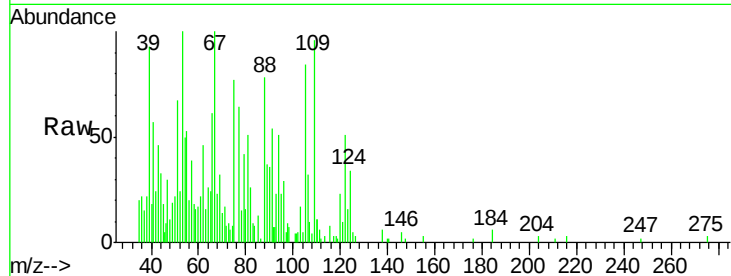
53 1643.2 81.0 121.6

89 1750.4 41.4 62.0

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#82

4-Chlorotoluene

Concen: 102.025 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007617.D

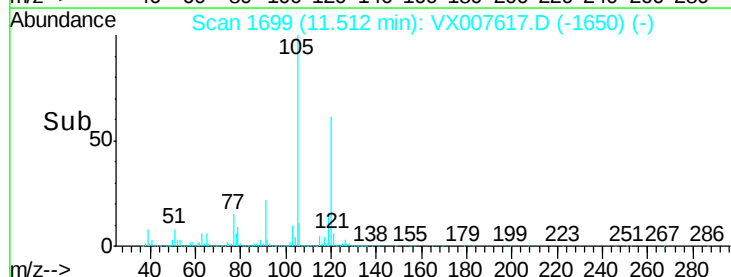
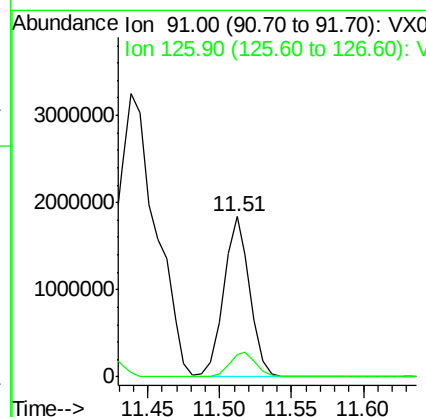
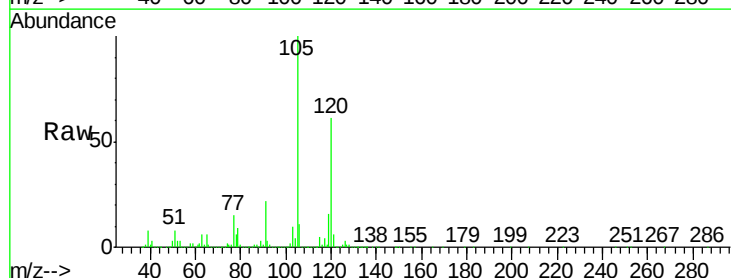
Acq: 19 Feb 2019 16:57

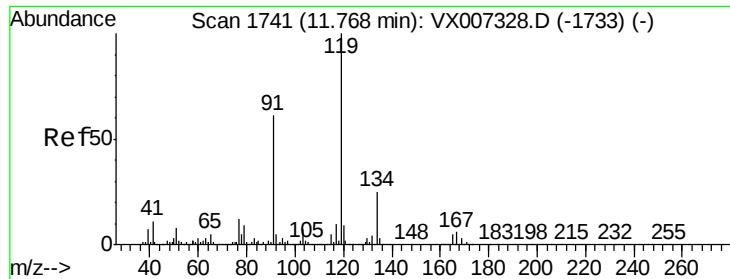
Tgt Ion: 91 Resp: 2321303

Ion Ratio Lower Upper

91 100

126 15.3 16.2 48.5#





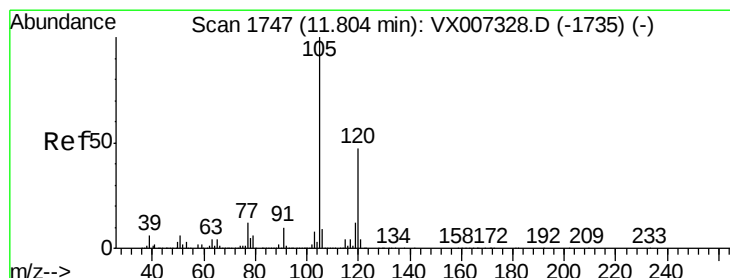
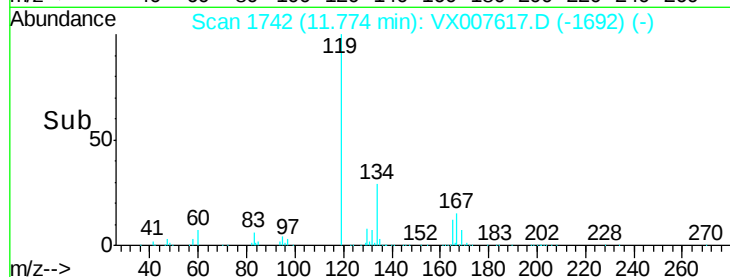
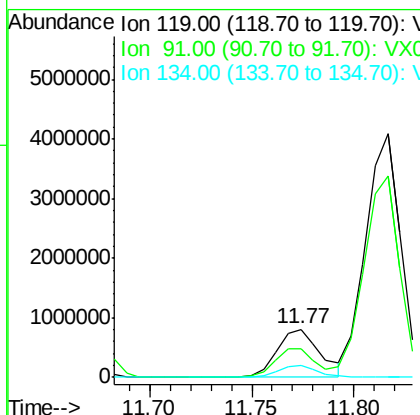
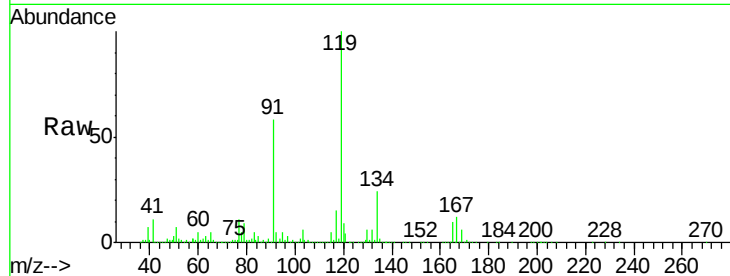
#83
tert-Butylbenzene
Concen: 49.321 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-1MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.9	28.5	85.6
134	22.3	12.0	36.0

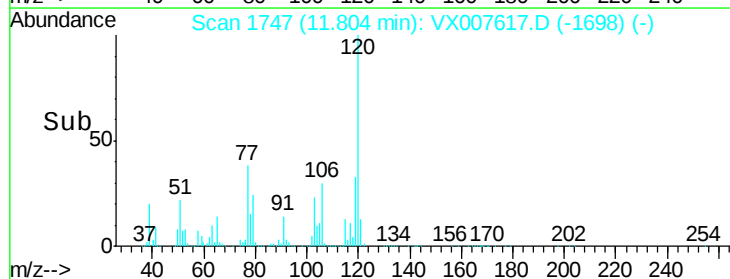
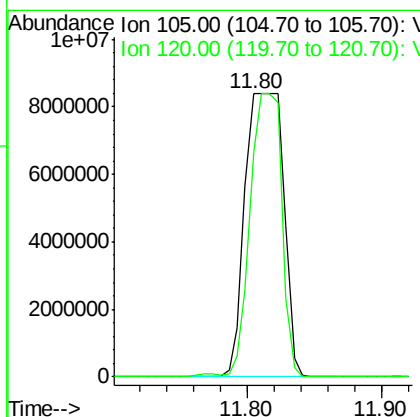
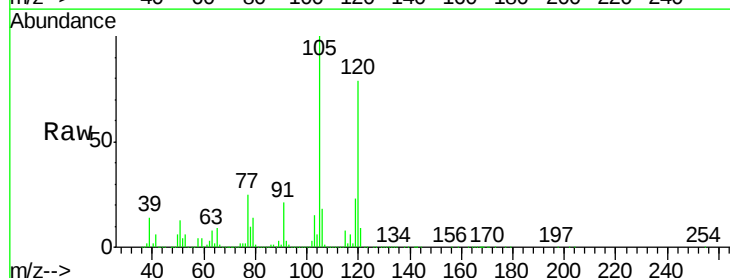
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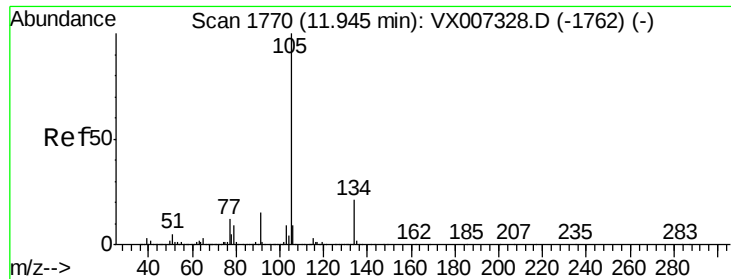
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#84
1,2,4-Trimethylbenzene
Concen: 686.259 ug/l m
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	22.9	23.1	69.3





#85

sec-Butylbenzene

Concen: 59.129 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

MW-1MSD

Tot Ion:105 Resp: 1713052

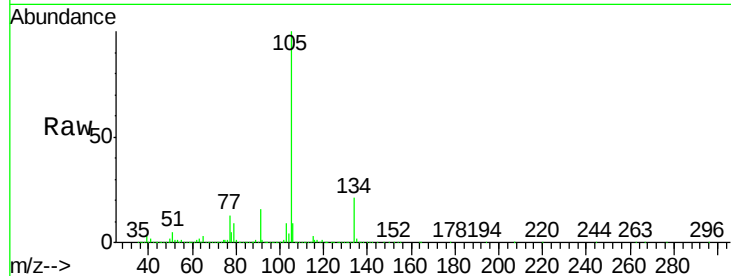
Ion Ratio Lower Upper

105 100

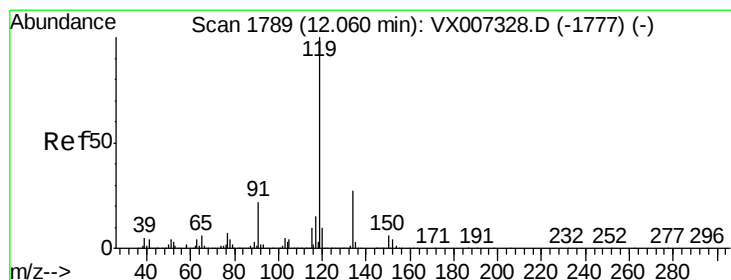
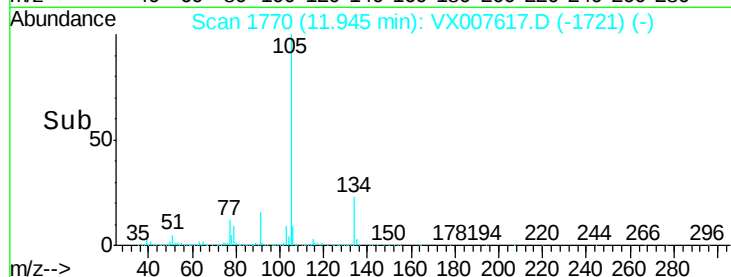
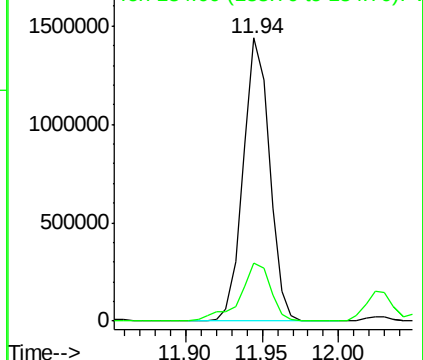
134 24.2 10.6 31.8

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.648 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

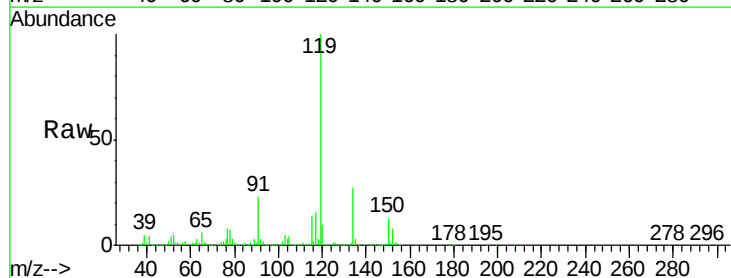
Tgt Ion:119 Resp: 1429185

Ion Ratio Lower Upper

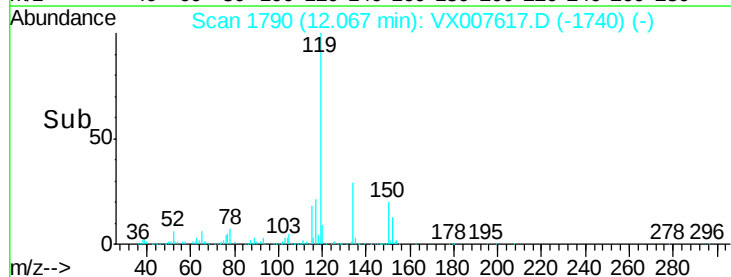
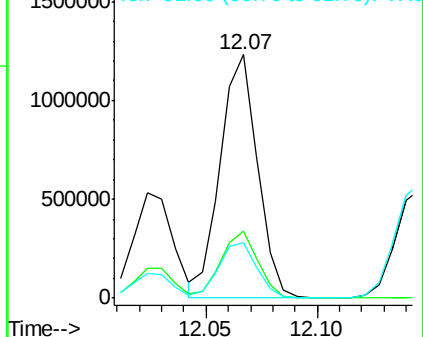
119 100

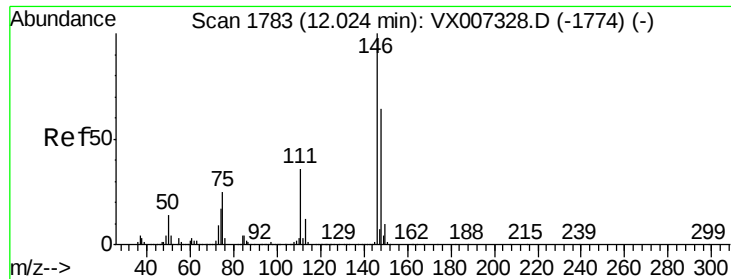
134 27.3 13.7 41.1

91 23.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





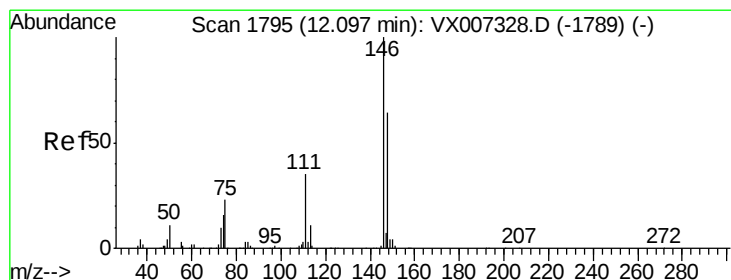
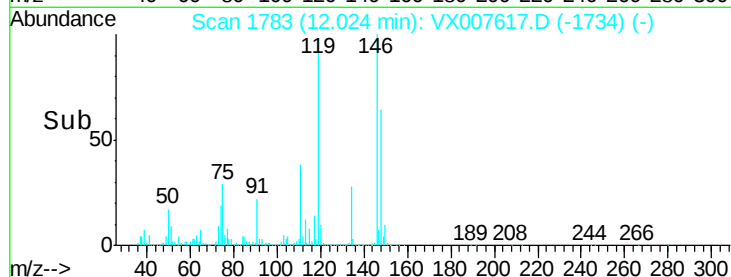
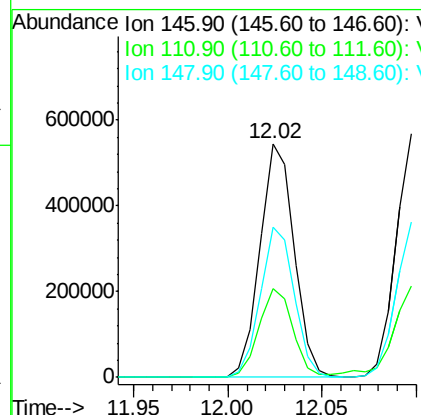
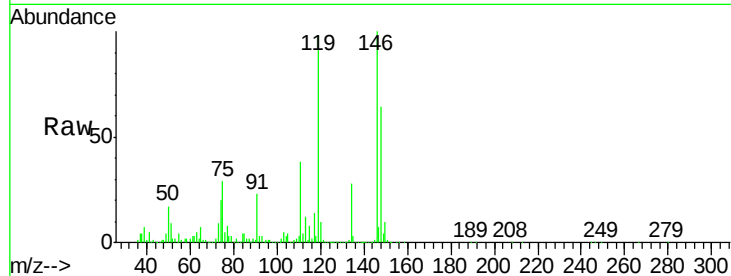
#87
 1,3-Dichlorobenzene
 Concen: 45.770 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.1
148	63.6	32.0	96.2

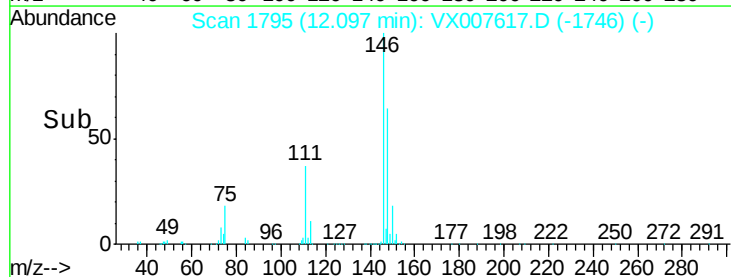
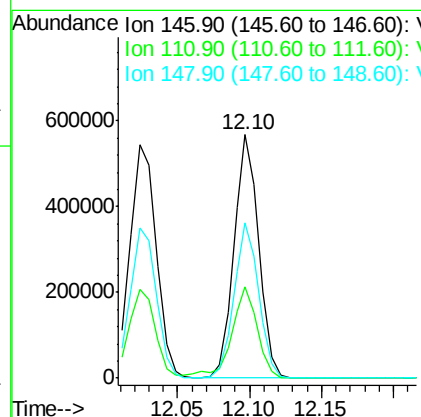
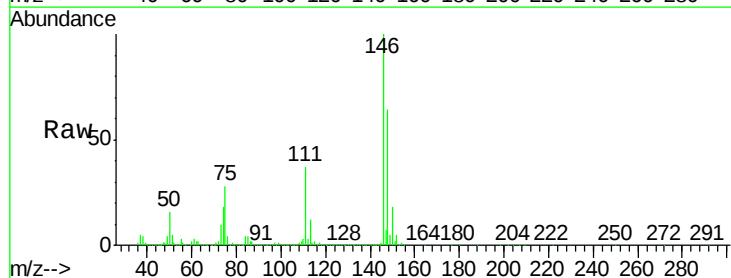
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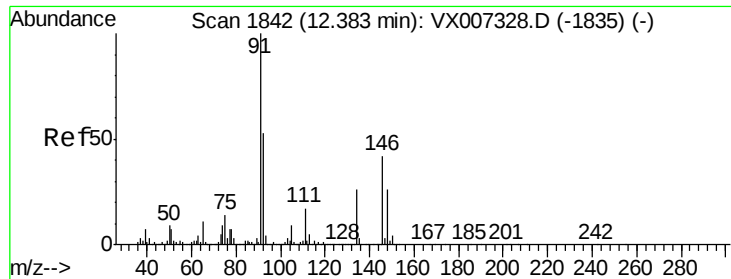
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#88
 1,4-Dichlorobenzene
 Concen: 45.064 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.1	54.1
148	63.7	32.3	96.9





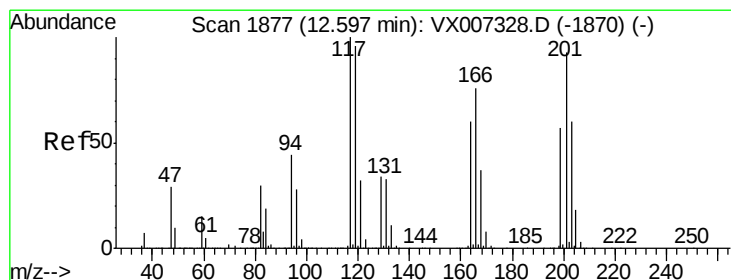
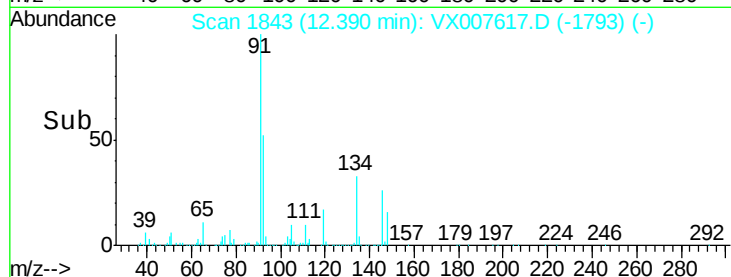
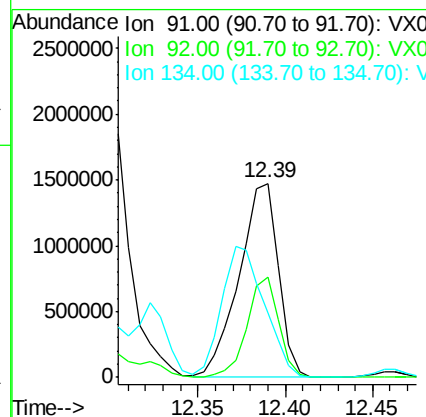
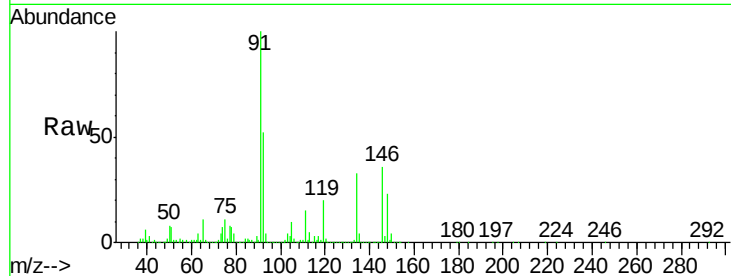
#89
n-Butylbenzene
Concen: 102.300 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
MW-1MSD

Tot Ion: 91 Resp: 2301478
Ion Ratio Lower Upper
91 100
92 41.8 26.3 78.9
134 73.3 13.9 41.6#

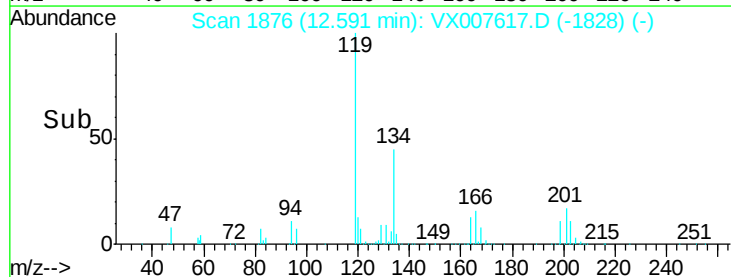
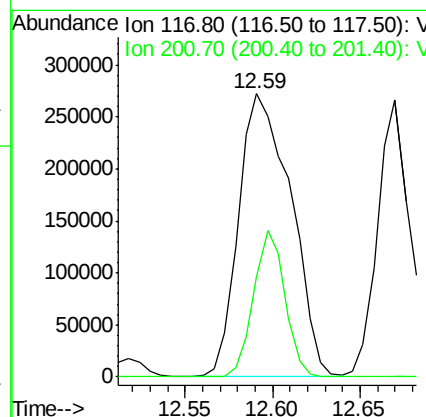
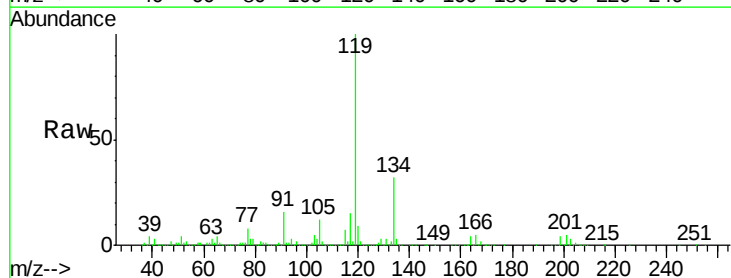
Manual Integrations
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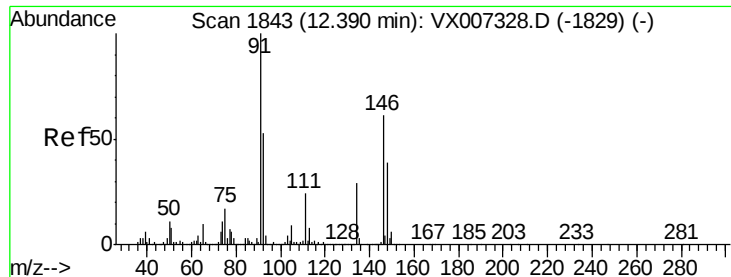
MMDadoda
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#90
Hexachloroethane
Concen: 143.864 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX007617.D
Acq: 19 Feb 2019 16:57

Tgt Ion: 117 Resp: 563087
Ion Ratio Lower Upper
117 100
201 31.0 44.9 134.7#





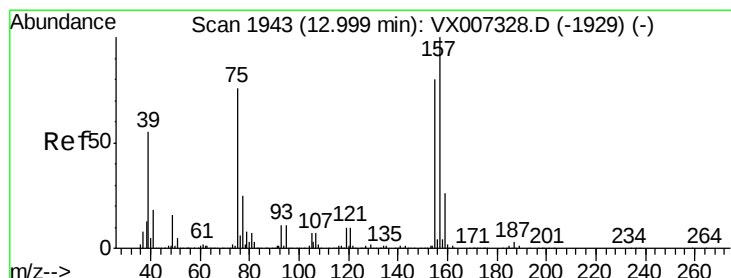
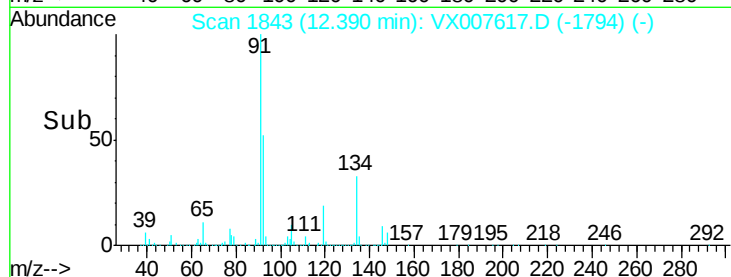
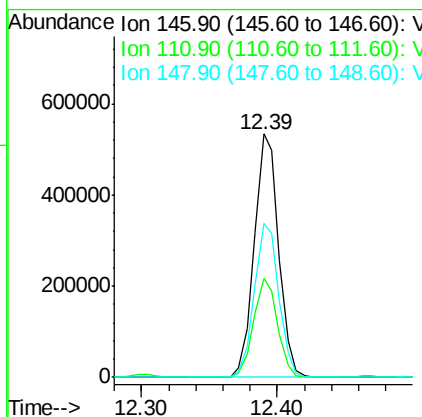
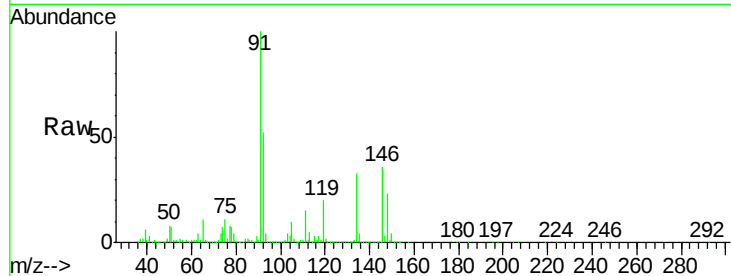
#91
 1,2-Dichlorobenzene
 Concen: 45.143 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.1	57.3
148	63.9	32.1	96.3

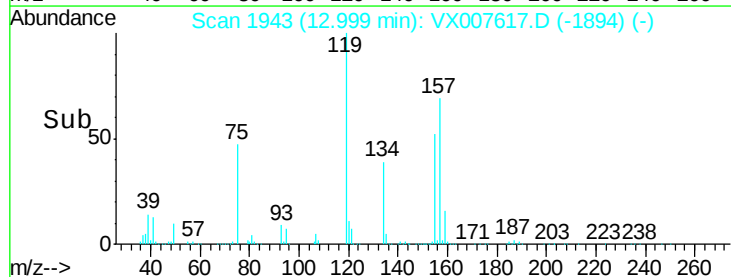
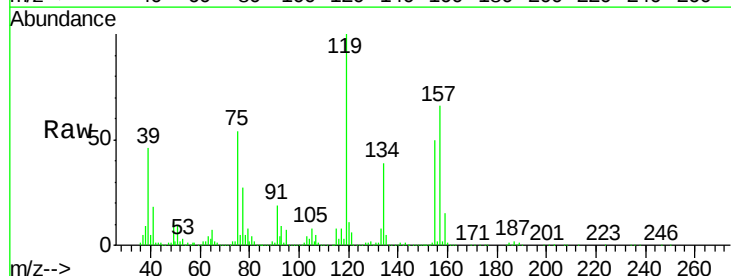
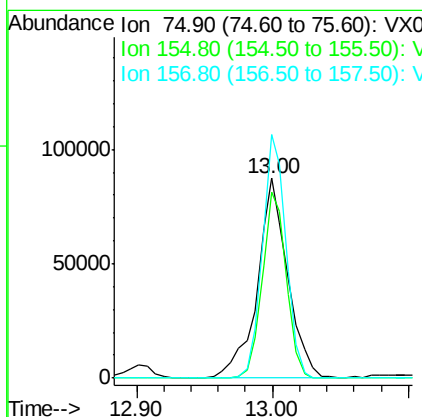
Manual Integrations
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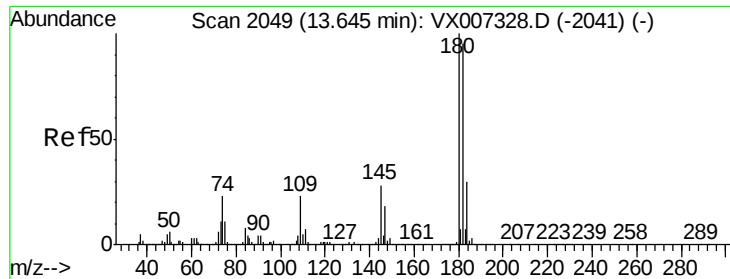
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 73.029 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	49.6	149.0
157	95.5	65.1	195.3





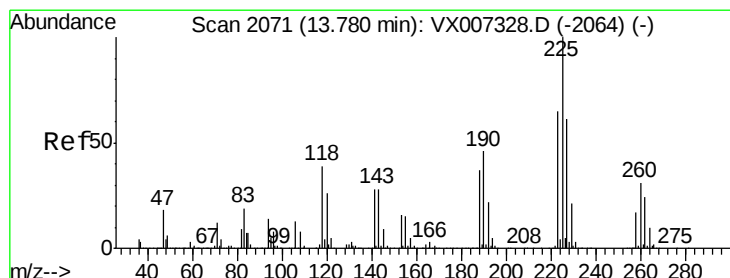
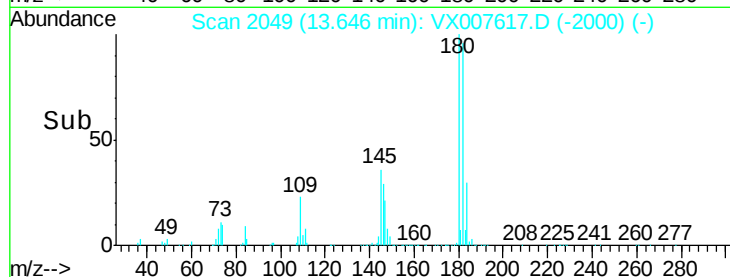
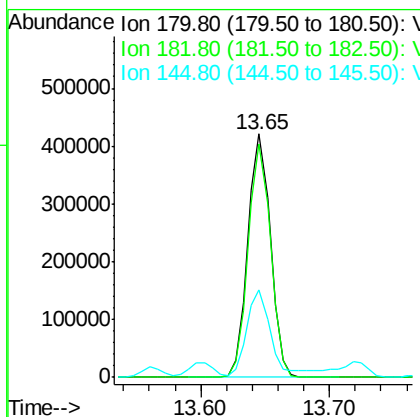
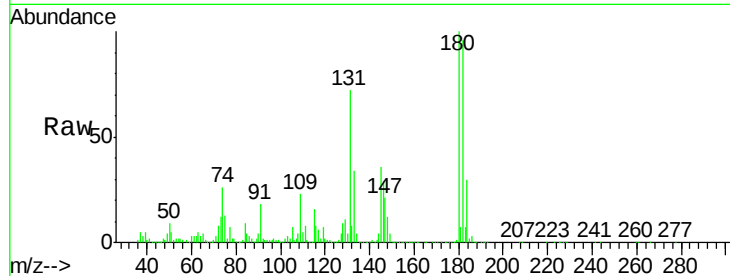
#93
 1,2,4-Trichlorobenzene
 Concen: 50.340 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	504868		
182	95.0	47.8	143.3	
145	37.7	14.1	42.2	

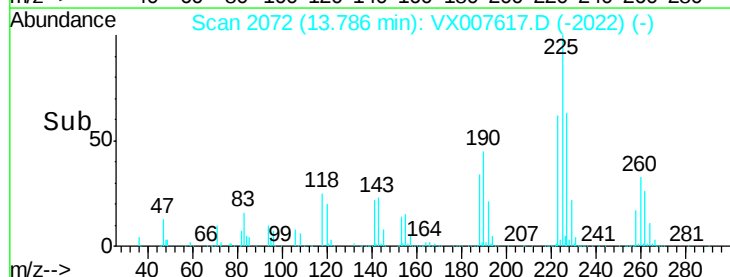
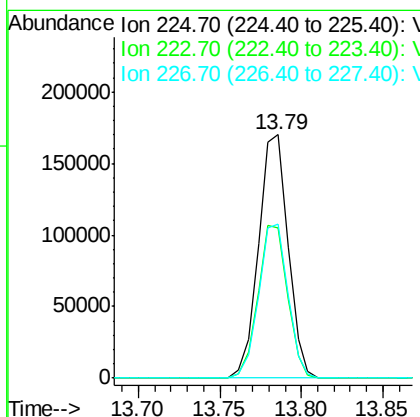
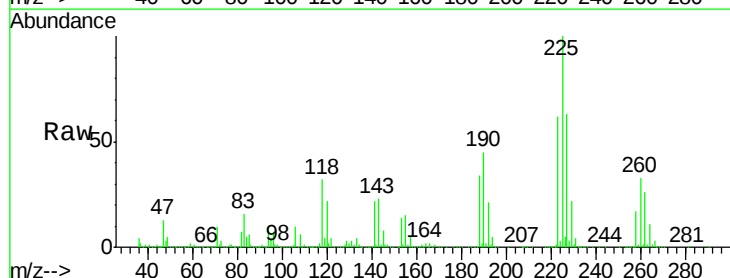
Manual Integrations
 APPROVED

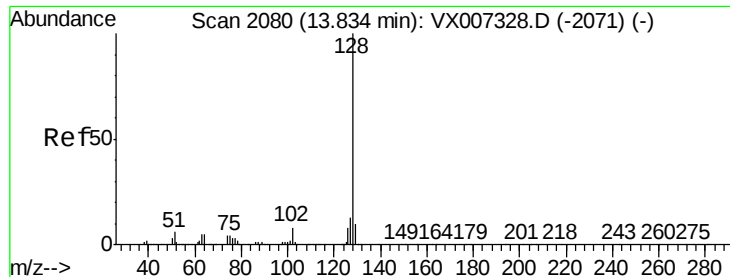
MMDadoda
 2/20/2019 10:34:59 AM



#94
 Hexachlorobutadiene
 Concen: 43.928 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX007617.D
 Acq: 19 Feb 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	213926		
223	62.9	31.6	94.8	
227	62.9	32.1	96.3	





#95

Naphthalene

Concen: 487.767 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Instrument :

MSVOA_X

ClientSampled :

MW-1MSD

Tot Ion:128 Resp:14305382

Ion Ratio Lower Upper

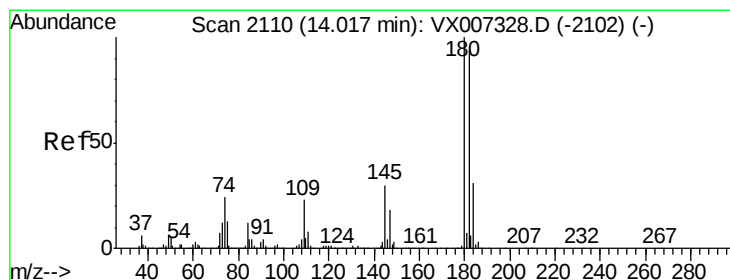
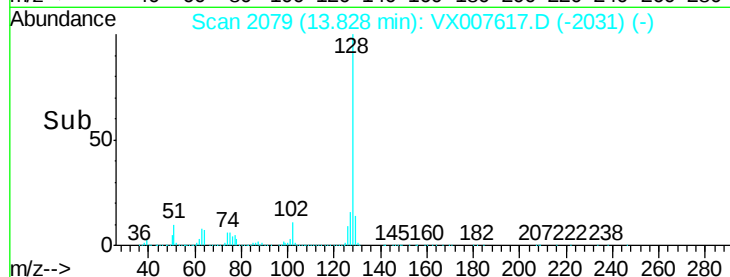
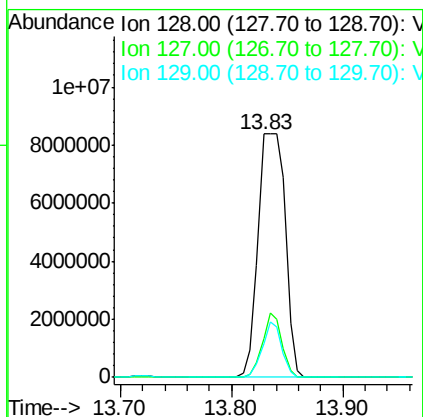
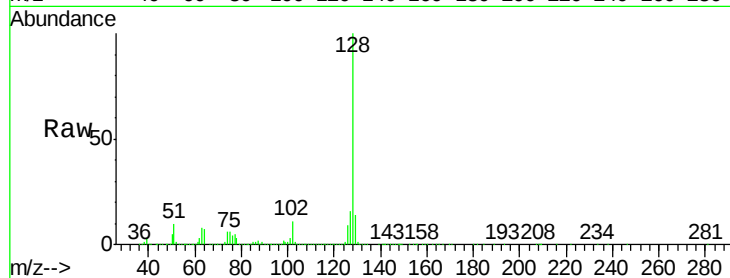
128 100

127 19.0 10.5 15.7#

129 16.6 8.7 13.1#

Manual Integrations
APPROVED

MMDadoda
2/20/2019 10:34:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.815 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007617.D

Acq: 19 Feb 2019 16:57

Tgt Ion:180 Resp: 492804

Ion Ratio Lower Upper

180 100

182 96.0 47.5 142.6

145 34.4 14.9 44.5

