

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071218\
 Data File : VX003354.D
 Acq On : 12 Jul 2018 16:29
 Operator : JC/MD
 Sample : VX0712WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:35:56 AM

Quant Time: Jul 12 17:27:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	66991	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	341565	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	298522	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	126432	27.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.10%
60) 4-Bromofluorobenzene	11.14	95	137695	28.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.70%
63) Toluene-d8	8.72	98	416680	31.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	92101	18.111 ug/l	100
3) Chloromethane	1.32	50	87894	17.403 ug/l	99
4) Vinyl Chloride	1.40	62	100162	18.189 ug/l	99
5) Bromomethane	1.64	94	46415	20.328 ug/l	99
6) Chloroethane	1.73	64	57868	17.631 ug/l	96
7) Trichlorofluoromethane	1.93	101	134133	18.283 ug/l	95
8) Diethyl Ether	2.19	74	52464	17.487 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	79690	17.745 ug/l	97
10) 1,1-Dichloroethene	2.37	96	74969	17.991 ug/l	88
11) Methyl Iodide	2.51	142	80523	21.251 ug/l	92
12) Methyl Acetate	2.78	43	128718	19.027 ug/l	95
13) Acrolein	2.29	56	42788	81.398 ug/l	99
14) Acrylonitrile	3.15	53	222428	87.364 ug/l	100
15) Acetone	2.45	58	60359	90.433 ug/l #	60
16) Carbon Disulfide	2.57	76	207984	17.473 ug/l	99
17) Allyl chloride	2.73	41	142502	17.979 ug/l	86
18) Methylene Chloride	2.86	84	87021	17.795 ug/l	87
19) trans-1,2-Dichloroethene	3.17	96	80192	17.845 ug/l	94
20) Diisopropyl ether	3.88	45	259204	18.099 ug/l	93
21) 1,1-Dichloroethane	3.70	63	152424	18.147 ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	92299	19.319 ug/l	80
23) tert-Butyl Alcohol	3.07	59	96926	91.690 ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	245573	17.646 ug/l	90
25) Chloroform	5.22	83	151074	19.972 ug/l	97
26) Cyclohexane	5.58	56	128557	19.606 ug/l #	95
29) 1,1-Dichloropropene	5.80	75	103002	19.125 ug/l	97
30) 2-Butanone	4.71	43	298247	99.111 ug/l	93
31) 2,2-Dichloropropane	4.58	77	103199	17.743 ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	121553	19.936 ug/l	98
33) Carbon Tetrachloride	5.78	117	102498	19.155 ug/l	97
34) Benzene	6.15	78	316045	19.929 ug/l	98
35) Methacrylonitrile	5.06	41	64242	20.179 ug/l	90
36) 1,2-Dichloroethane	6.20	62	106610	19.332 ug/l #	95
37) Trichloroethene	7.21	130	87436	19.937 ug/l	94
38) Methylcyclohexane	7.46	83	116069	19.068 ug/l	97
39) 1,2-Dichloropropane	7.52	63	79933	19.507 ug/l	95
40) Dibromomethane	7.67	93	52079	19.353 ug/l	96

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

41) Bromodichloromethane	7.90	83	95120	18.916	ug/l	100
42) Vinyl Acetate	3.82	43	1031804	89.251	ug/l	97
43) Ethyl Acetate	4.87	43	109714	19.195	ug/l	95
44) Isopropyl Acetate	6.47	43	168433	19.226	ug/l	94
45) 1,4-Dioxane	7.76	88	37697	403.128	ug/l #	84
46) Methyl methacrylate	7.78	41	84864	18.732	ug/l	88
47) n-amyl Acetate	10.90	43	129716	17.190	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	114181	18.657	ug/l	100
49) cis-1,3-Dichloropropene	9.04	75	102054	18.414	ug/l	91
50) 1,1,2-Trichloroethane	9.22	97	78796	19.414	ug/l	97
51) Ethyl methacrylate	9.18	69	110678	18.712	ug/l	84
52) 1,3-Dichloropropane	9.37	76	129000	19.351	ug/l	99
53) Dibromochloromethane	9.59	129	74888	18.462	ug/l	100
54) 1,2-Dibromoethane	9.68	107	80916	19.224	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	281255	100.787	ug/l	99
56) Bromoform	10.86	173	53393	17.216	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	544070	102.311	ug/l	93
59) 2-Hexanone	9.50	43	409607	100.569	ug/l	93
61) Tetrachloroethene	9.34	164	97332	21.303	ug/l	99
62) Toluene	8.79	91	341977	20.997	ug/l	99
64) Chlorobenzene	10.14	112	216585	20.082	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	75698	19.788	ug/l	99
66) Ethyl Benzene	10.26	91	361007	20.059	ug/l	100
67) m/p-Xylenes	10.36	106	275337	39.317	ug/l	97
68) o-Xylene	10.70	106	130134	19.314	ug/l	96
69) Styrene	10.71	104	213689	19.078	ug/l	98
70) Isopropylbenzene	11.02	105	351672	19.684	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	109898	19.613	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	96179m	14.675	ug/l	
73) Bromobenzene	11.26	156	94966	19.122	ug/l	97
74) n-propylbenzene	11.37	91	398651	19.158	ug/l	99
75) 2-Chlorotoluene	11.42	91	240717	19.339	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	289749	19.165	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	26812	17.130	ug/l	91
78) 4-Chlorotoluene	11.51	91	274138	18.854	ug/l	98
79) tert-butylbenzene	12.07	119	295880	18.479	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	292791	19.059	ug/l	98
81) sec-Butylbenzene	11.95	105	337529	18.871	ug/l	99
82) p-Isopropyltoluene	12.07	119	295880	18.479	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	169019	18.369	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	168568	18.151	ug/l	100
85) n-Butylbenzene	12.39	91	244436	17.388	ug/l	99
86) Hexachloroethane	12.60	117	39761	16.870	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	168099	18.275	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	20658	17.746	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	113997	17.262	ug/l	100
90) Hexachlorobutadiene	13.79	225	53040	16.392	ug/l	99
91) Naphthalene	13.83	128	332611	17.464	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	117491	17.549	ug/l	100

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ClientSampleId :
VX0712WBSD01

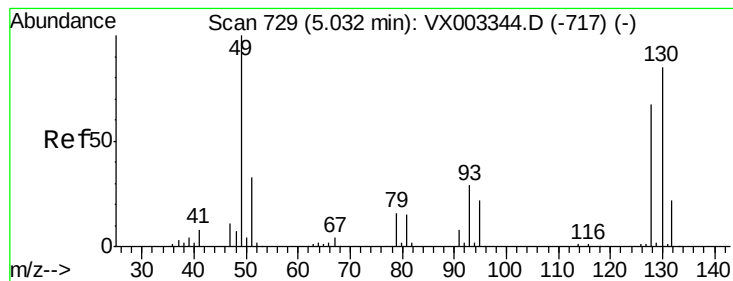
Manual Integrations
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QLast Update : Thu Jul 12 13:28:20 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

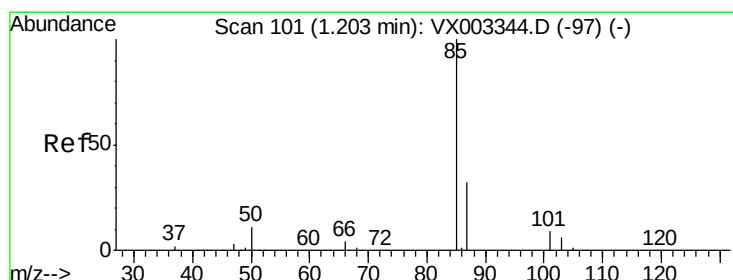
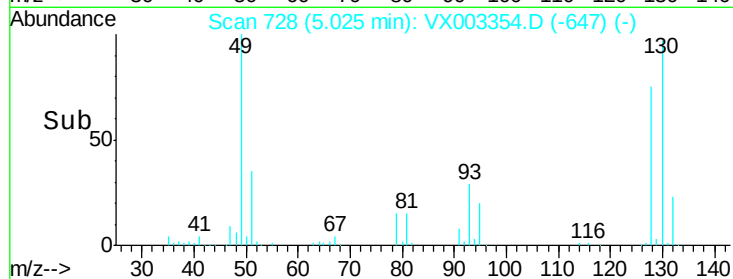
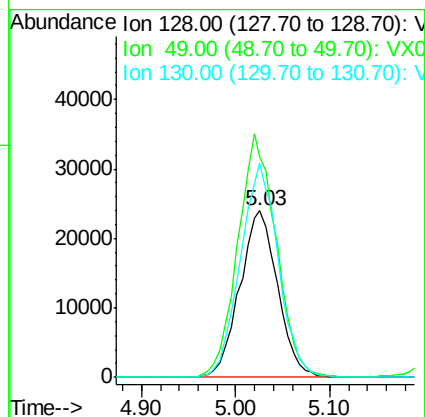
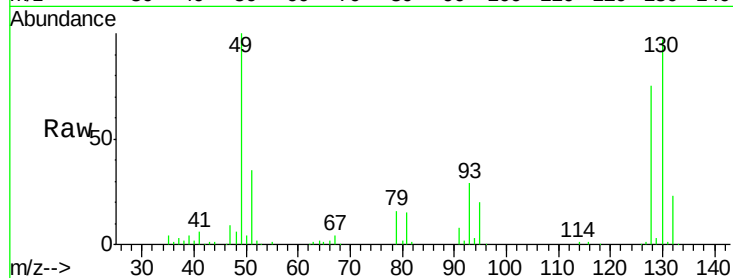
ClientSampleId :

VX0712WBSD01

Tot Ion:	128	Resp:	66991
Ion	Ratio	Lower	Upper
128	100		
49	148.7	0.0	423.0
130	129.0	0.0	324.3

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#2

Dichlorodifluoromethane

Concen: 18.111 ug/l

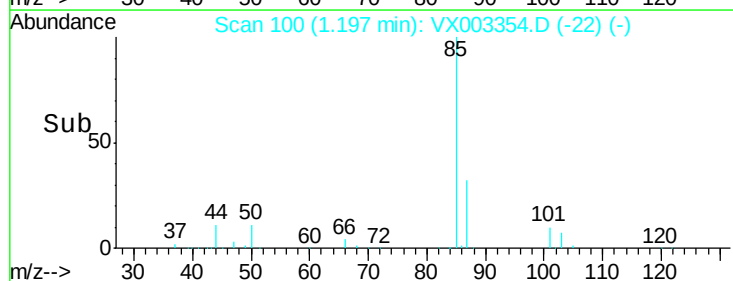
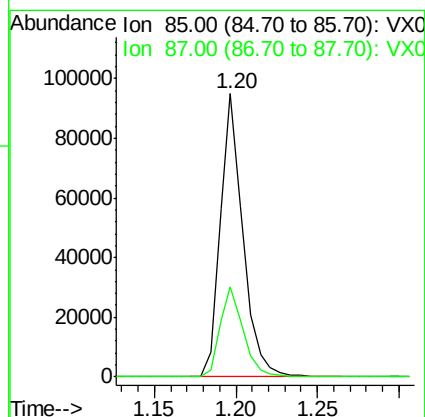
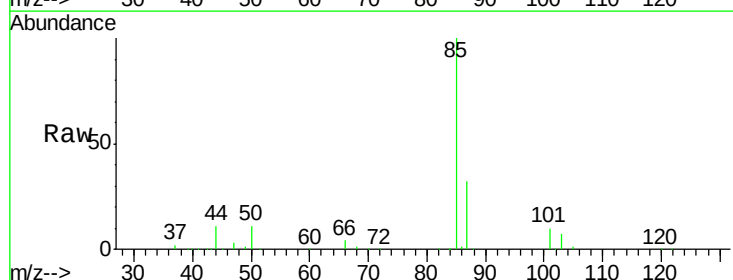
RT: 1.20 min Scan# 100

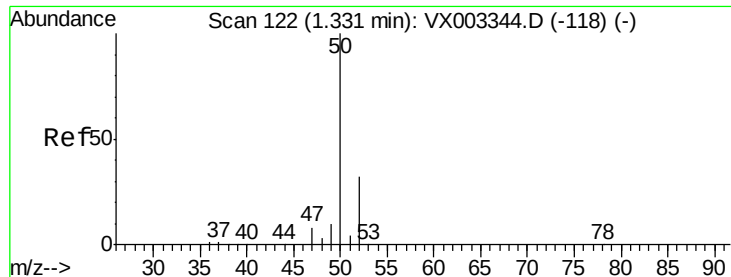
Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Tgt Ion:	85	Resp:	92101
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.5





#3

Chloromethane

Concen: 17.403 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBSD01

Tot Ion: 50 Resp: 87894

Ion Ratio Lower Upper

50 100

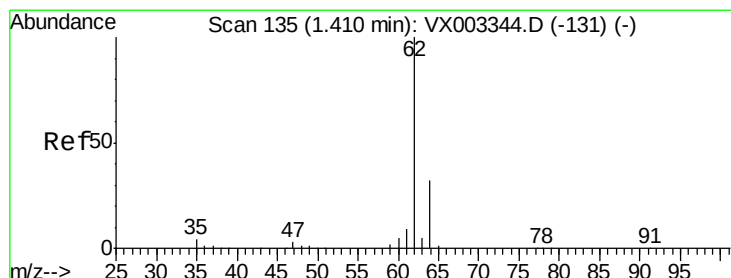
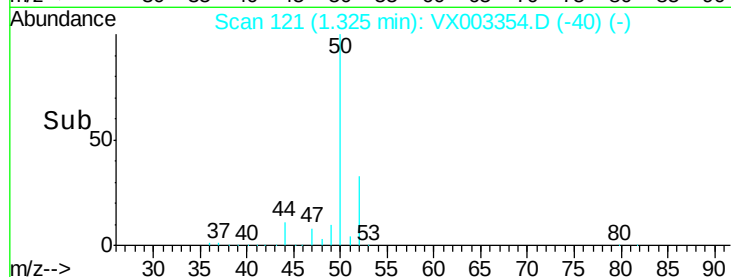
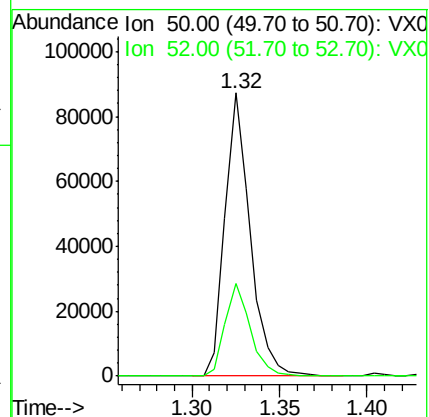
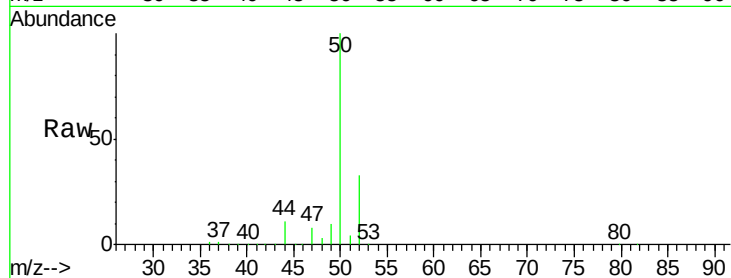
52 32.5 25.6 38.4

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#4

Vinyl Chloride

Concen: 18.189 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003354.D

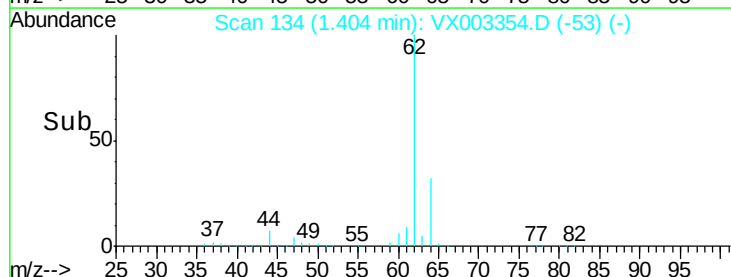
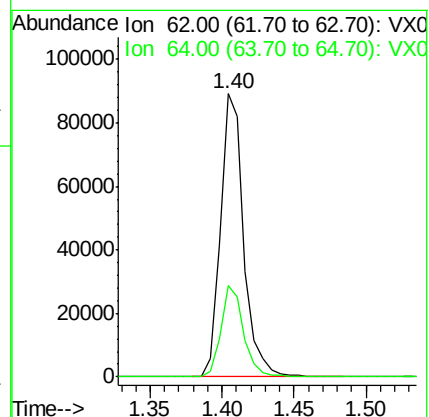
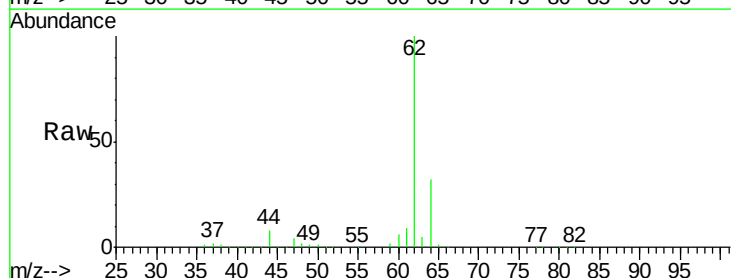
Acq: 12 Jul 2018 16:29

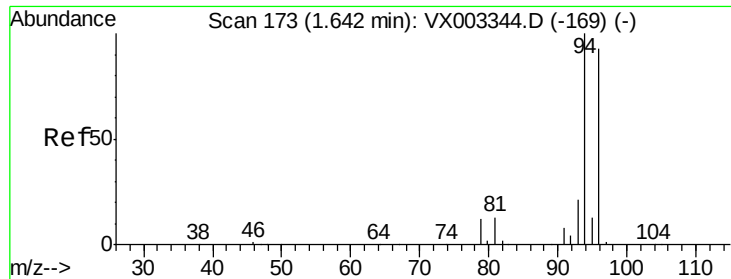
Tgt Ion: 62 Resp: 100162

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 20.328 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBSD01

Tot Ion: 94 Resp: 46415

Ion Ratio Lower Upper

94 100

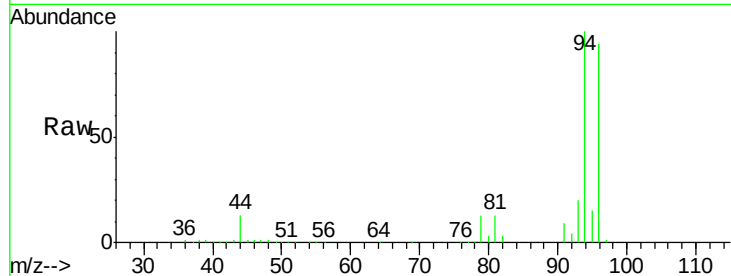
96 94.0 75.7 113.5

Manual Integrations

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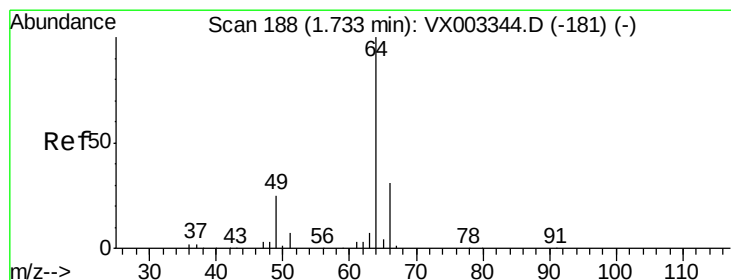
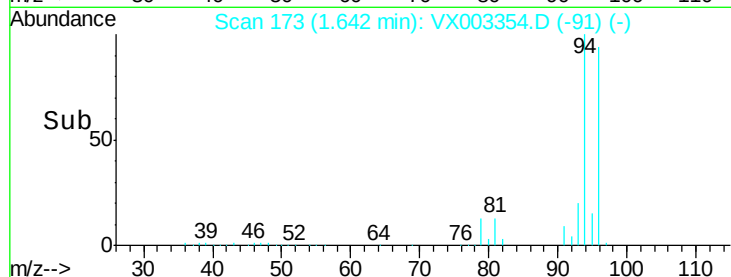
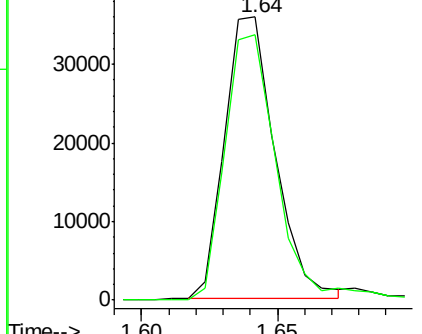
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.631 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX003354.D

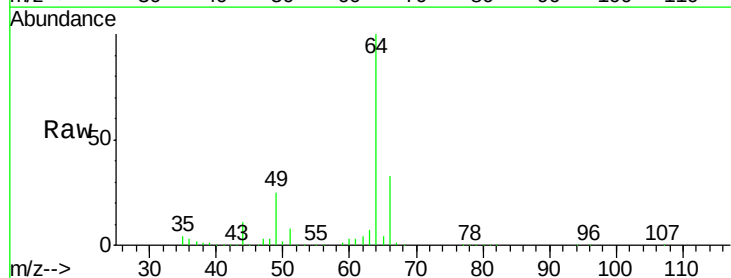
Acq: 12 Jul 2018 16:29

Tgt Ion: 64 Resp: 57868

Ion Ratio Lower Upper

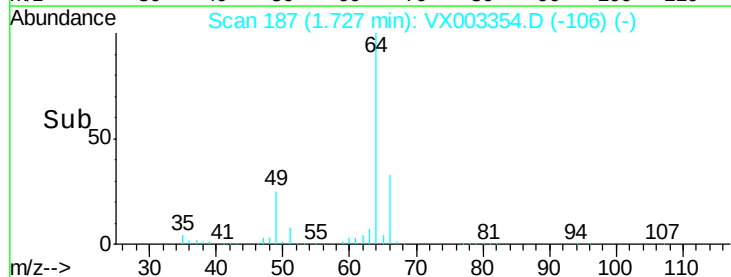
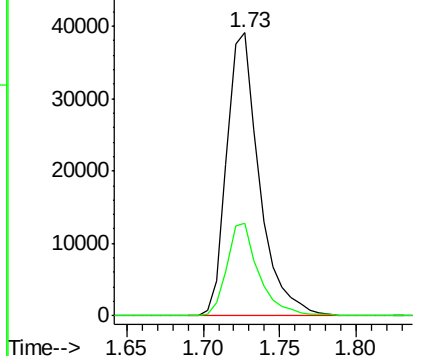
64 100

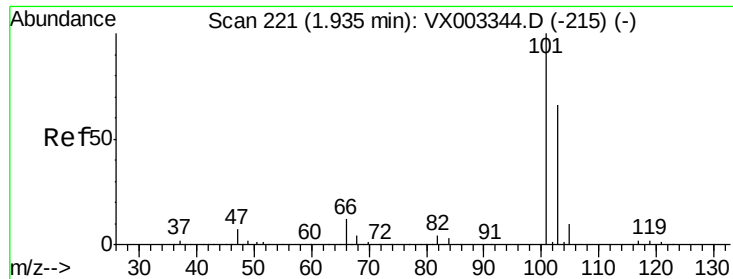
66 32.7 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

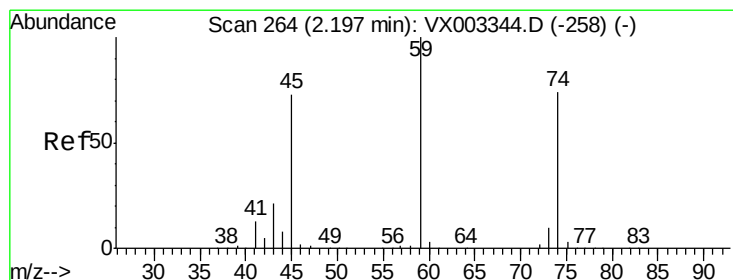
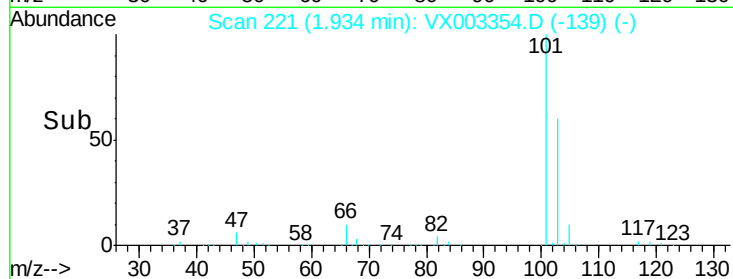
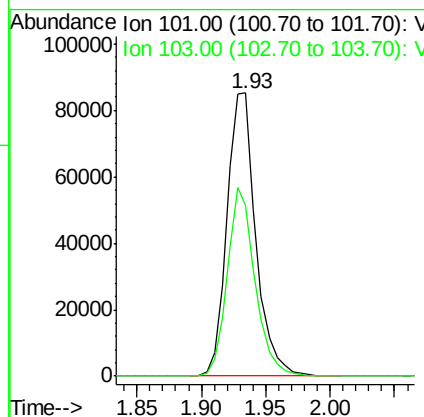
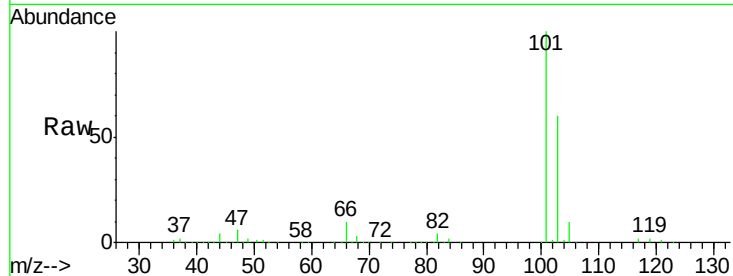
Trichlorofluoromethane
 Concen: 18.283 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		134133		
103	60.4	51.5	77.3		

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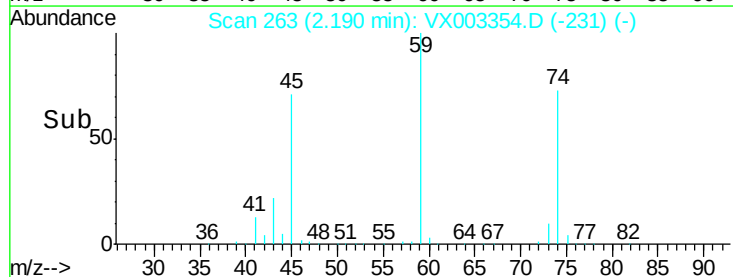
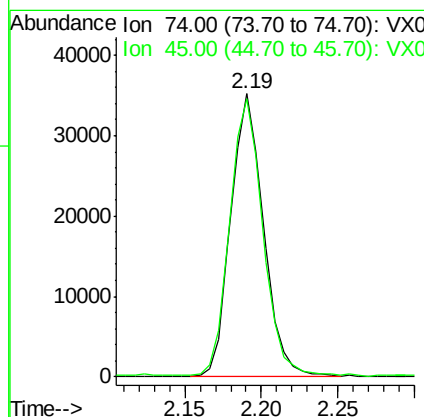
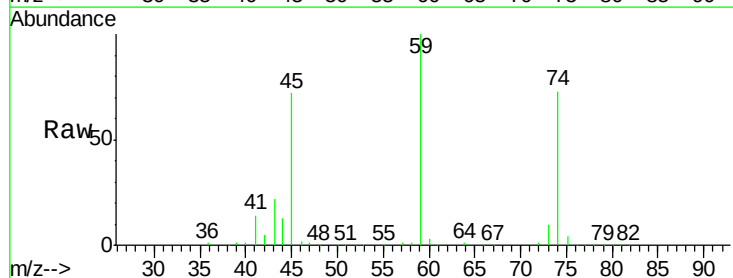
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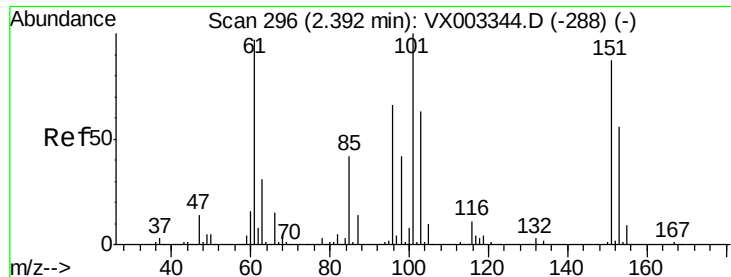


#8

Diethyl Ether
 Concen: 17.487 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		52464		
45	99.0	20.5	184.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.745 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

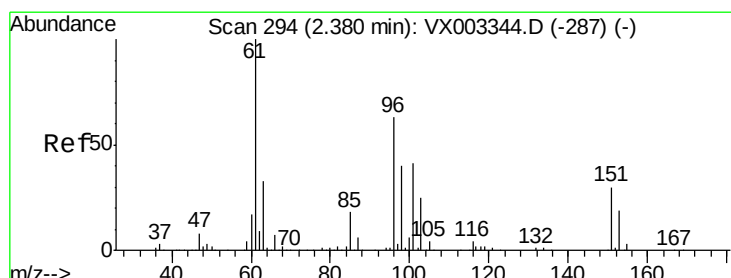
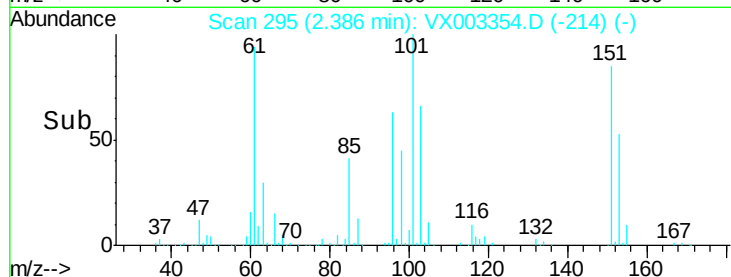
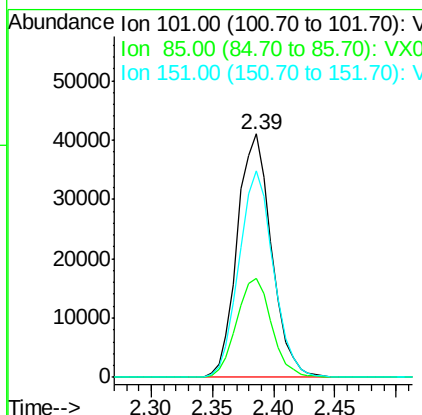
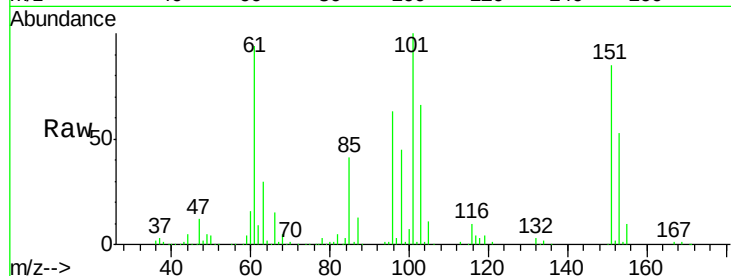
ClientSampleId :

VX0712WBSD01

Tot Ion:	101	Resp:	79690
Ion Ratio	Lower	Upper	
101	100		
85	41.7	0.0	87.0
151	85.6	0.0	177.6

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7/13/2018 11:35:56 AM



#10

1,1-Dichloroethene

Concen: 17.991 ug/l

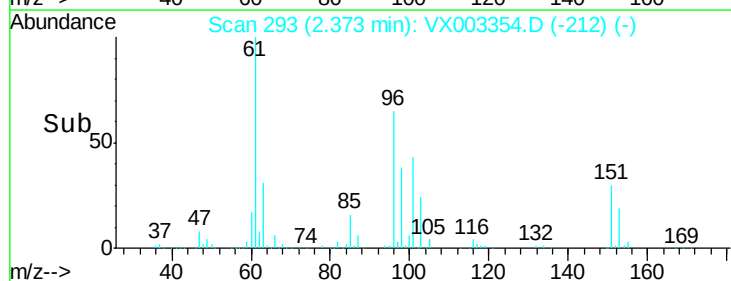
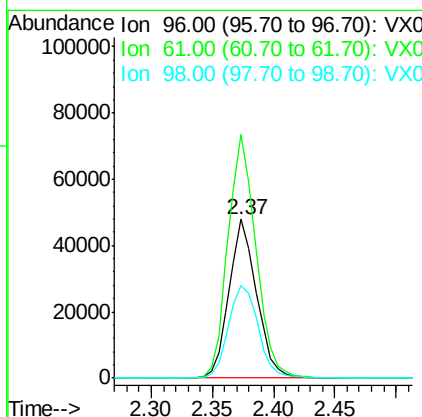
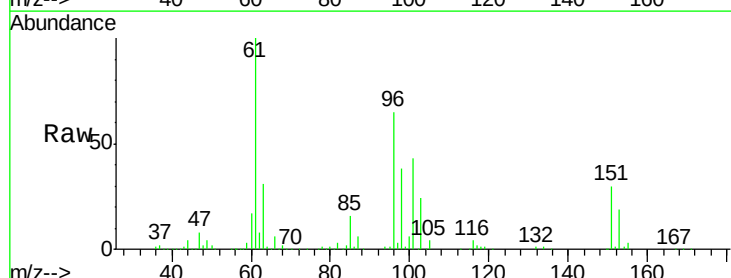
RT: 2.37 min Scan# 293

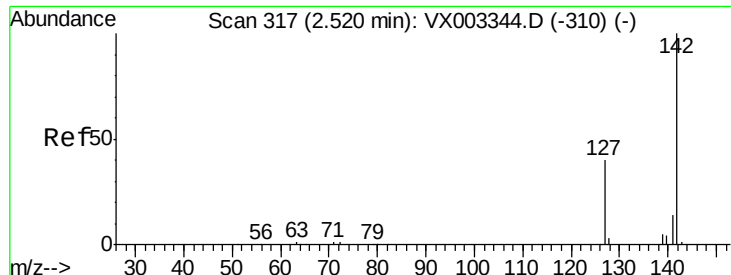
Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Tgt Ion:	96	Resp:	74969
Ion Ratio	Lower	Upper	
96	100		
61	153.4	137.5	206.3
98	58.3	51.4	77.2





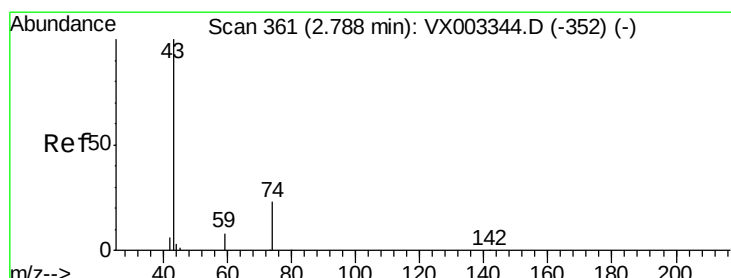
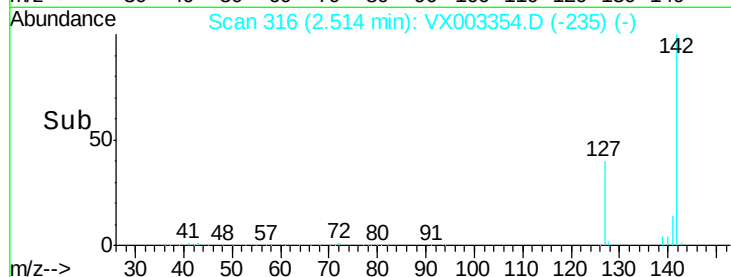
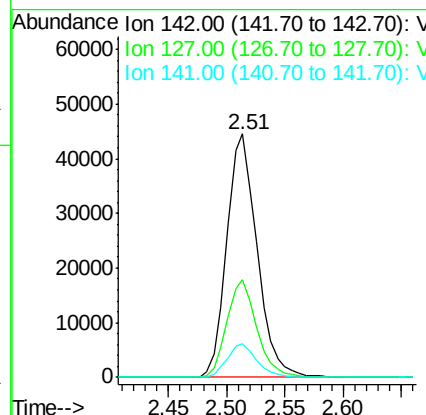
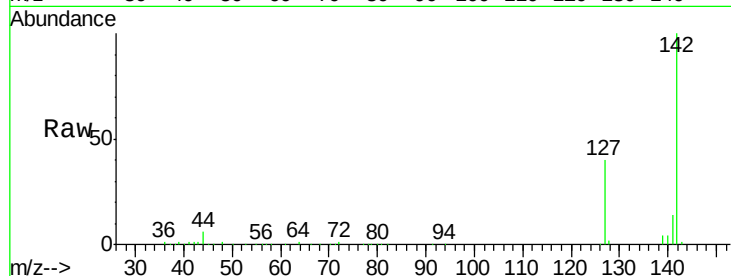
#11
Methvl Iodide
Concen: 21.251 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.1	23.2	69.6
141	14.1	7.4	22.2

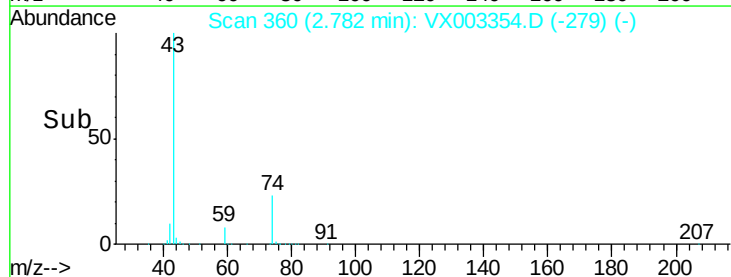
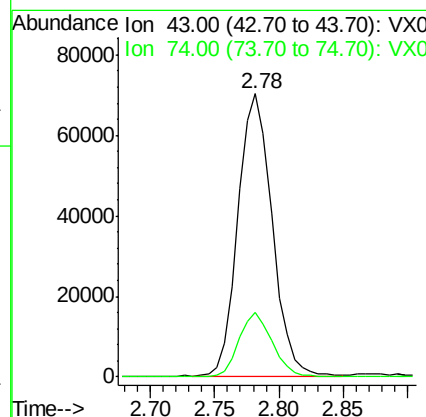
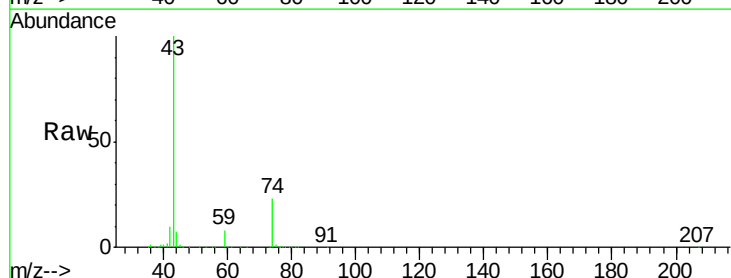
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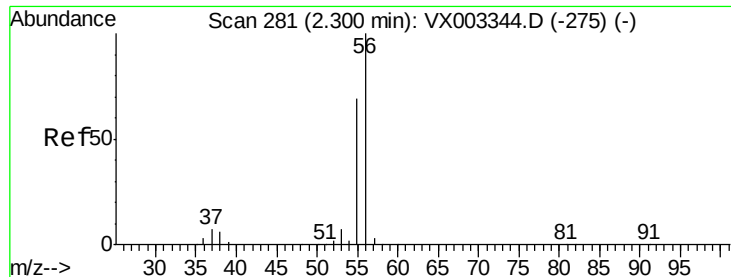
MMDadoda
7/13/2018 11:35:56 AM



#12
Methyl Acetate
Concen: 19.027 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	16.4	24.6





#13

Acrolein

Concen: 81.398 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBSD01

Tot Ion: 56 Resp: 42788

Ion Ratio Lower Upper

56 100

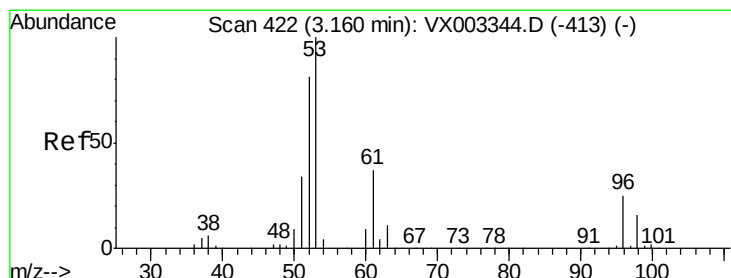
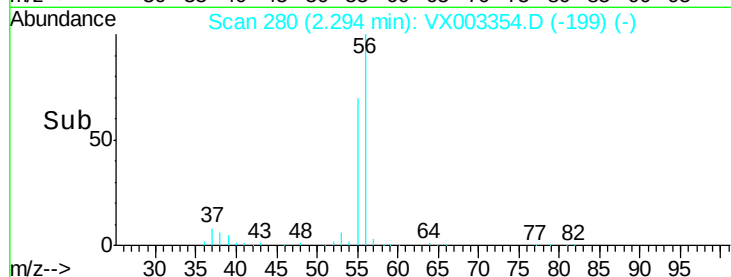
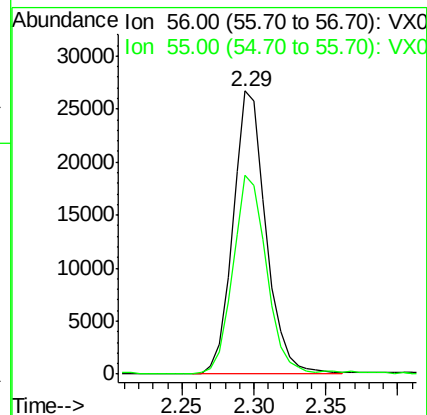
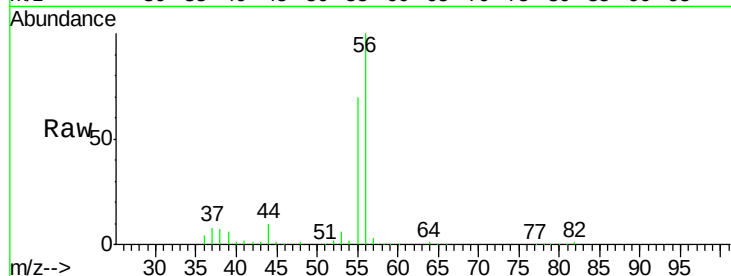
55 70.7 57.3 85.9

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#14

Acrylonitrile

Concen: 87.364 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

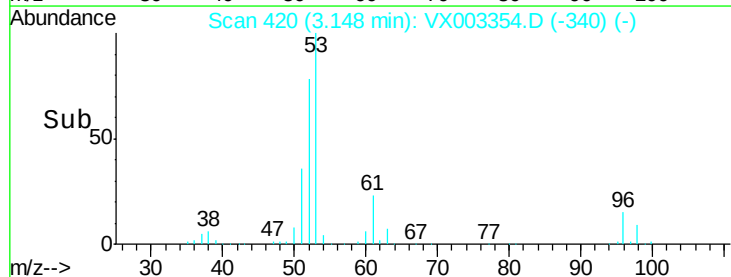
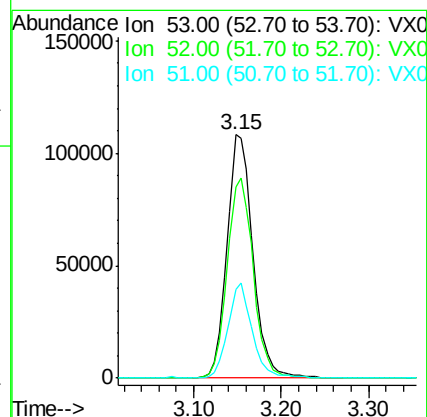
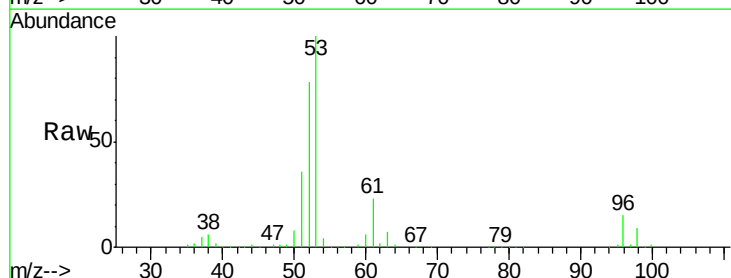
Tgt Ion: 53 Resp: 222428

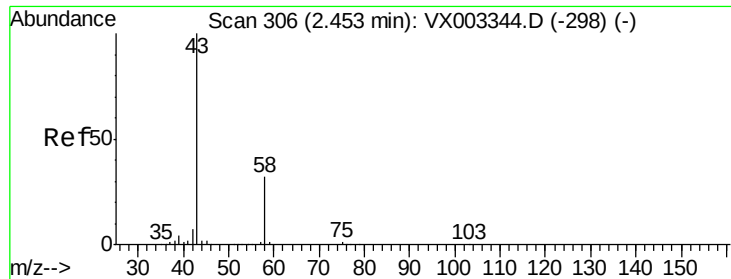
Ion Ratio Lower Upper

53 100

52 83.1 41.5 124.6

51 36.1 17.9 53.8





#15

Acetone

Concen: 90.433 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBSD01

Tot Ion: 58 Resp: 60359

Ion Ratio Lower Upper

58 100

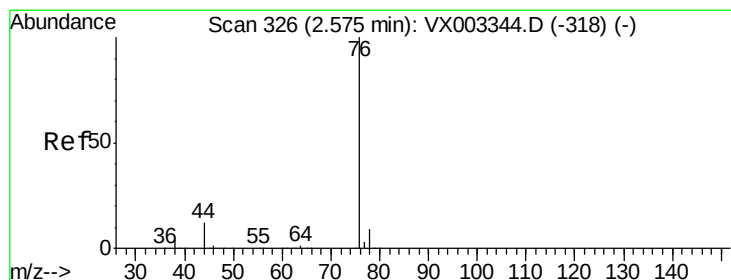
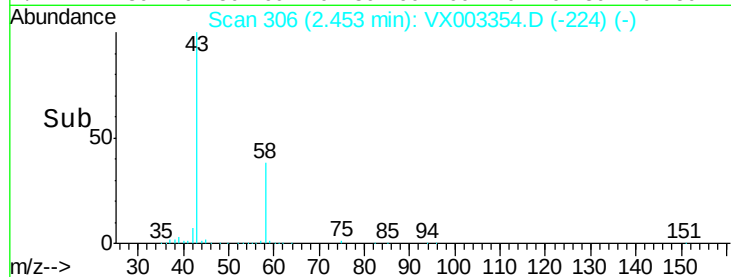
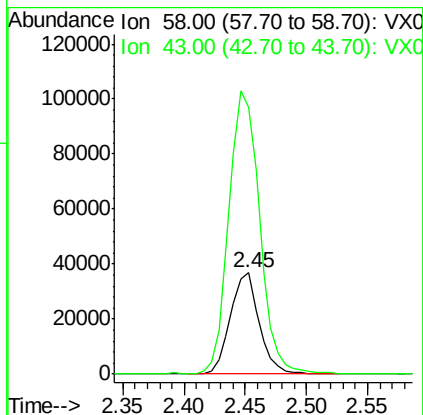
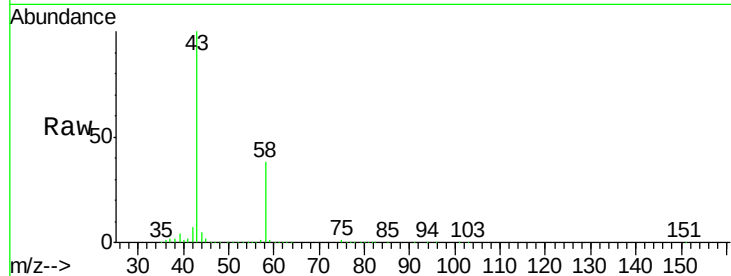
43 261.9 278.8 418.2#

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#16

Carbon Disulfide

Concen: 17.473 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX003354.D

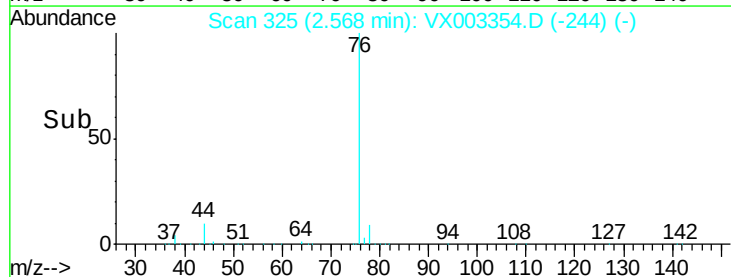
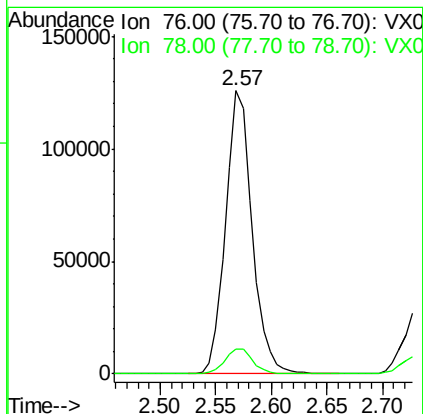
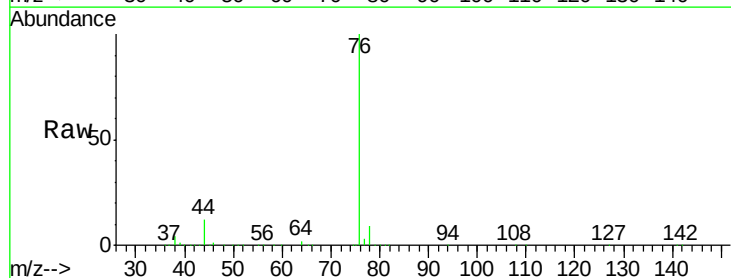
Acq: 12 Jul 2018 16:29

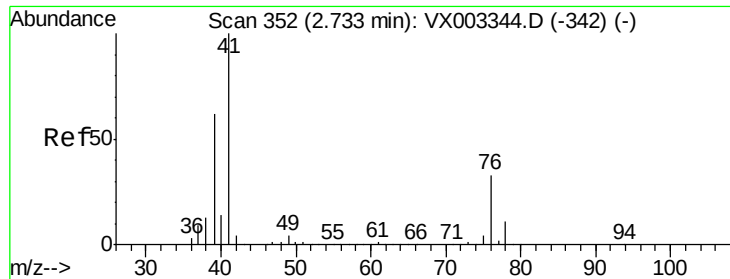
Tgt Ion: 76 Resp: 207984

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0





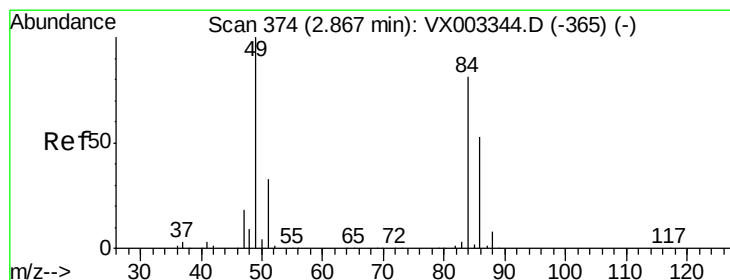
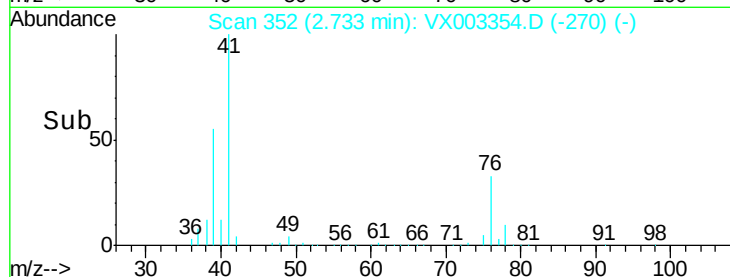
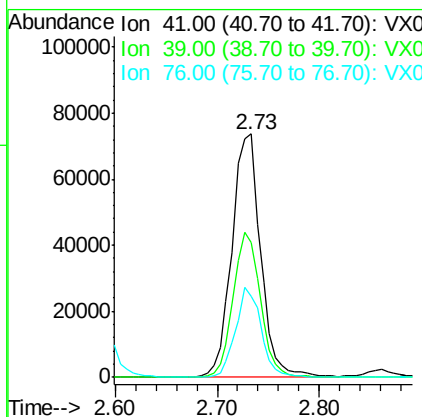
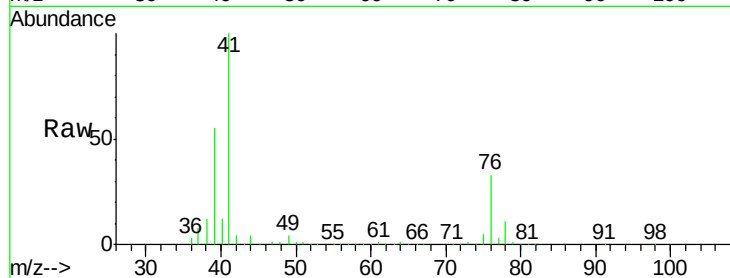
#17
Allvl chloride
Concen: 17.979 ug/l
RT: 2.73 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.1	34.6	103.8
76	33.1	15.0	45.1

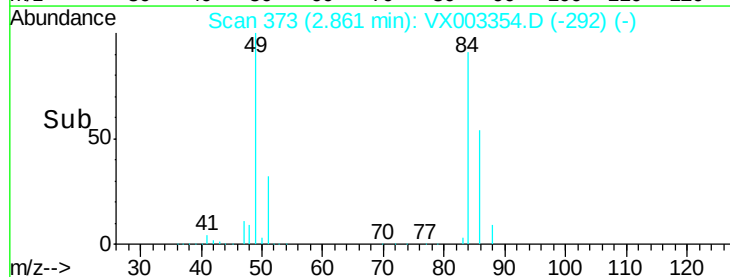
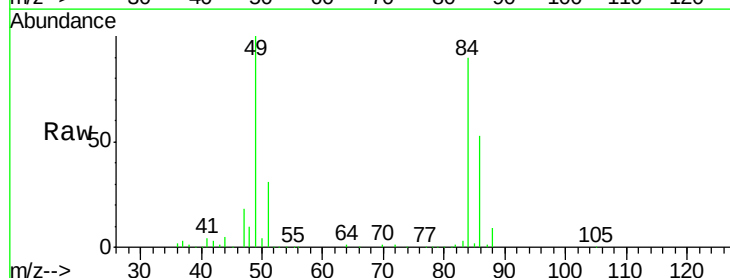
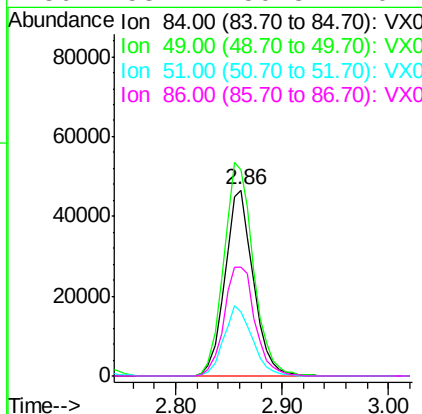
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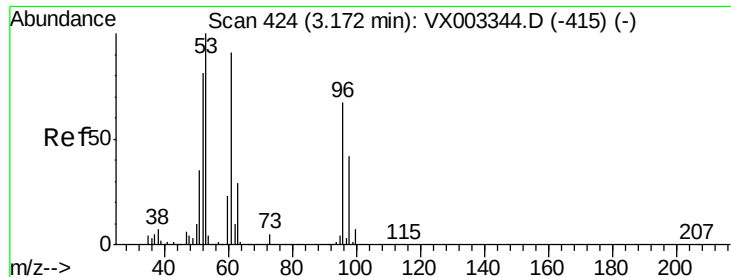
MMDadoda
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#18
Methylene Chloride
Concen: 17.795 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.9	104.7	157.1
51	34.2	31.0	46.4
86	58.7	50.8	76.2





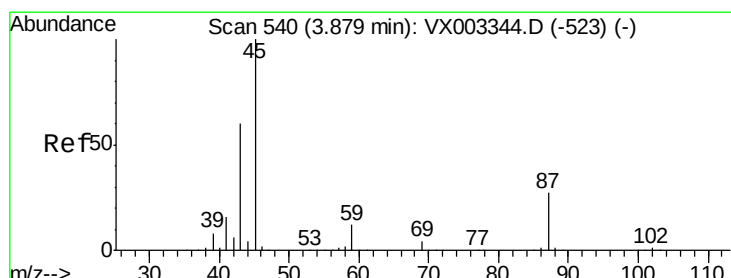
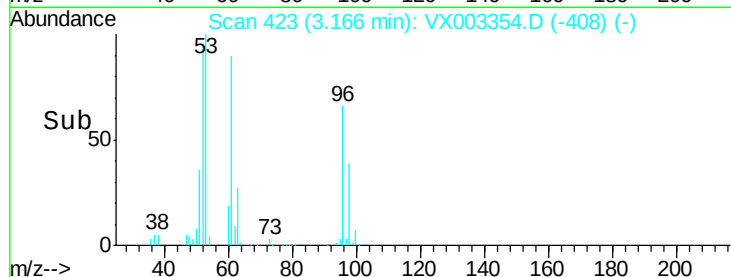
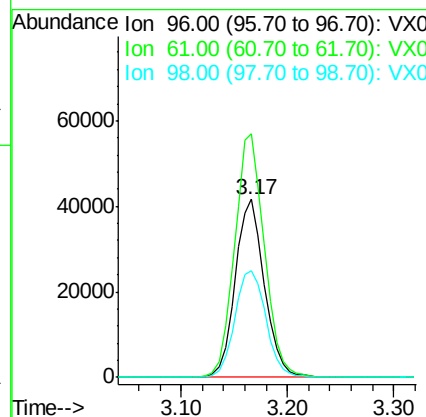
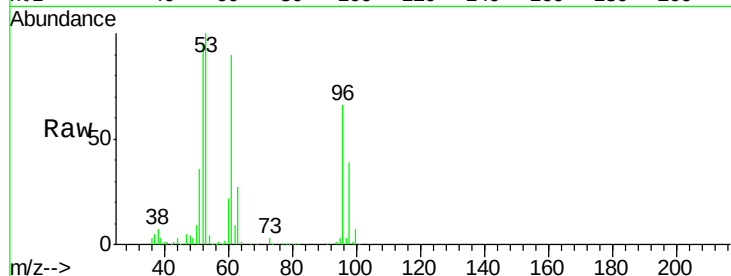
#19
trans-1,2-Dichloroethene
Concen: 17.845 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	114.6	172.0
98	59.5	51.3	76.9

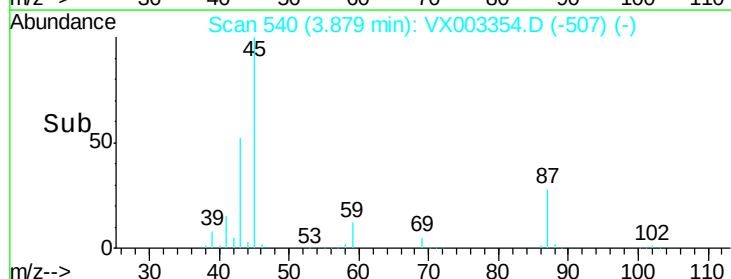
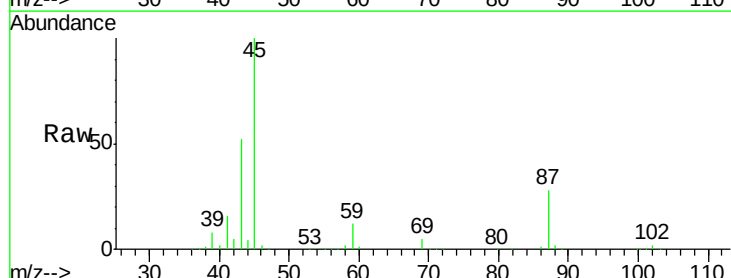
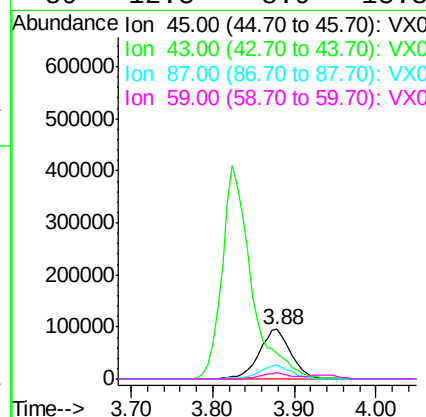
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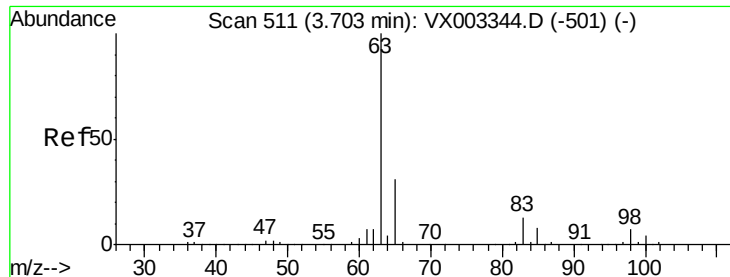
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#20
Diisopropyl ether
Concen: 18.099 ug/l
RT: 3.88 min Scan# 540
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	51.1	45.6	68.4
87	28.3	20.7	31.1
59	12.3	8.9	13.3





#21

1,1-Dichloroethane

Concen: 18.147 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

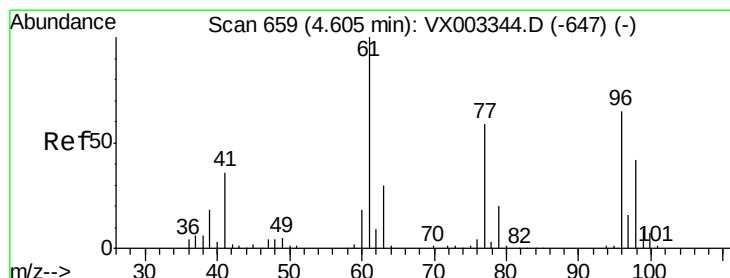
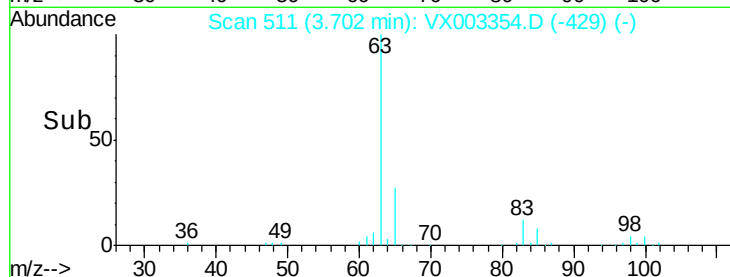
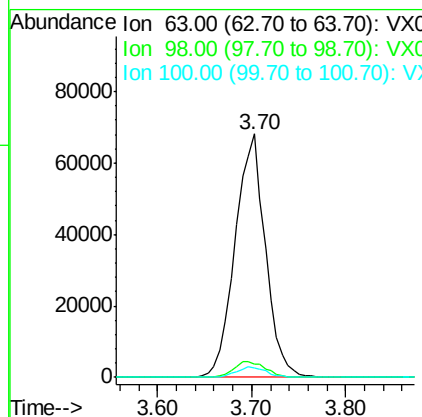
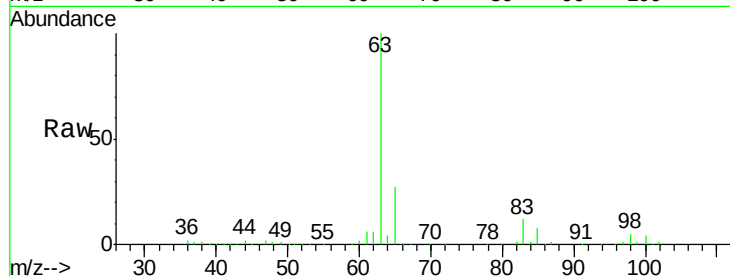
ClientSampleId :

VX0712WBSD01

Tot Ion:	63	Resp:	152424
Ion Ratio	Lower	Upper	
63	100		
98	5.3	3.1	9.3
100	4.0	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 19.319 ug/l

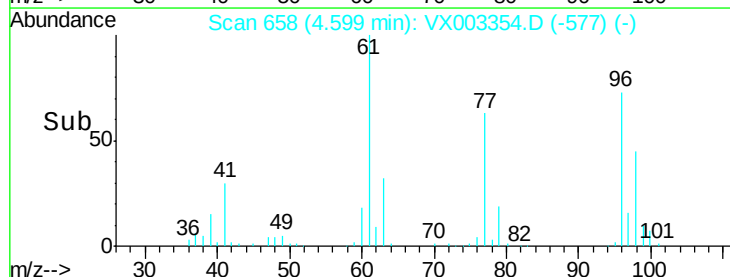
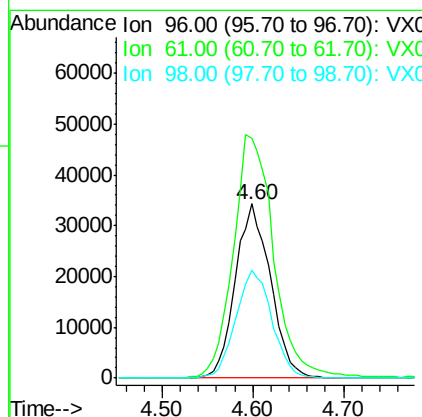
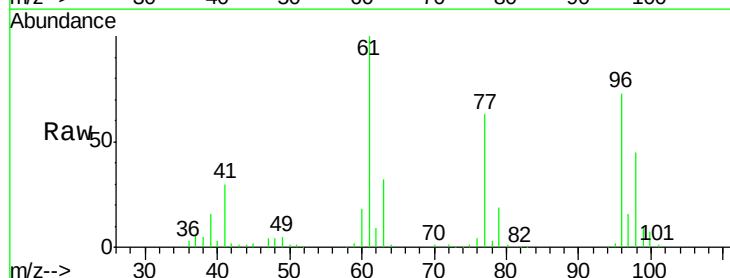
RT: 4.60 min Scan# 658

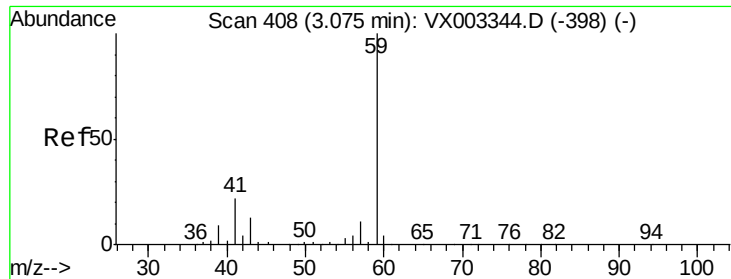
Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Tgt Ion:	96	Resp:	92299
Ion Ratio	Lower	Upper	
96	100		
61	161.3	160.2	240.2
98	63.6	54.1	81.1





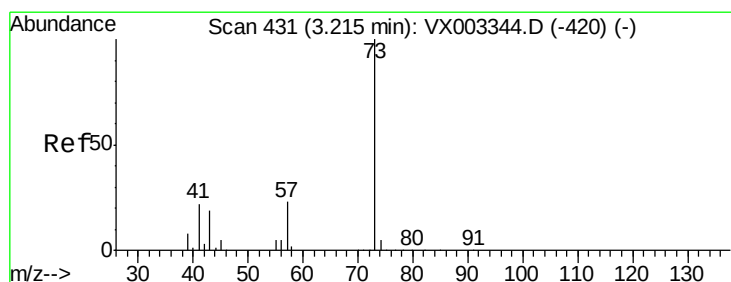
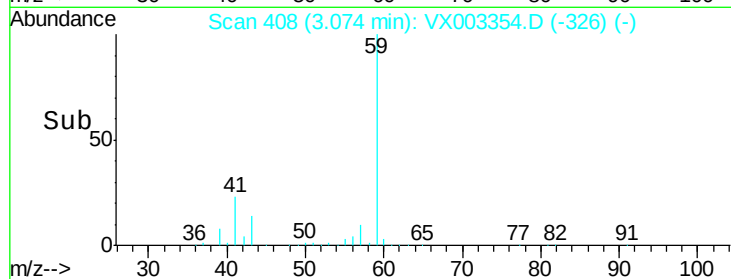
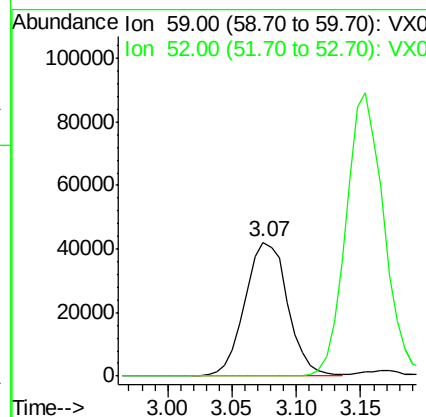
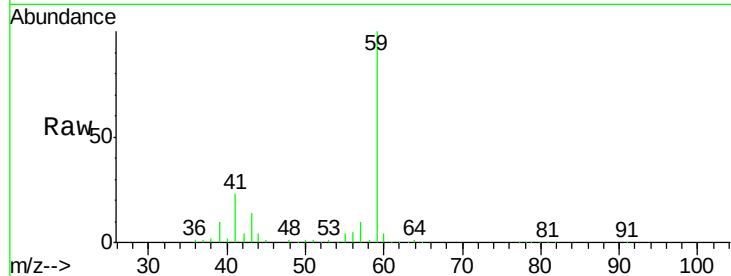
#23
 tert-Butyl Alcohol
 Concen: 91.690 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBSD01

Tot Ion: 59 Resp: 96926
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.2#

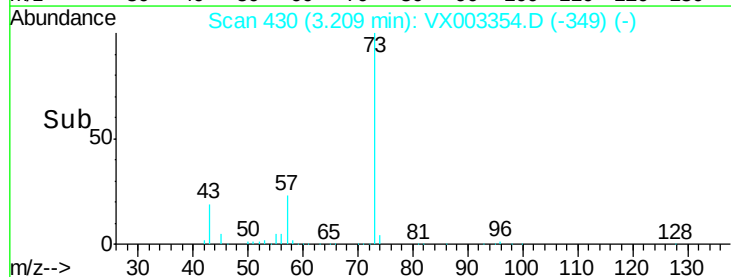
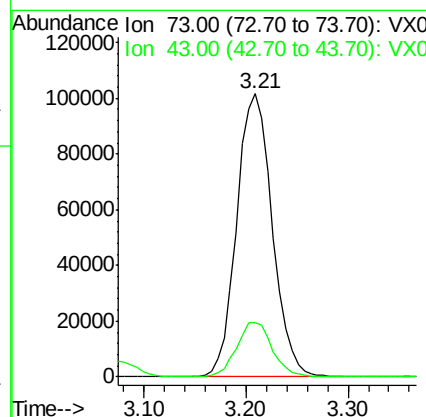
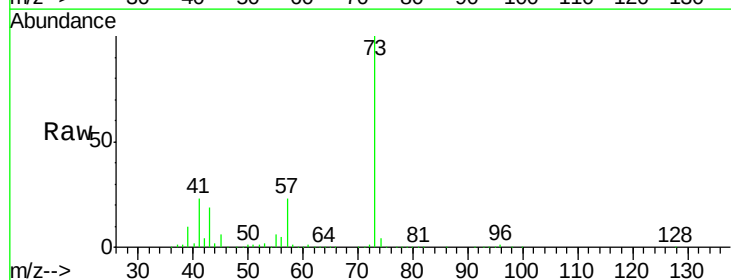
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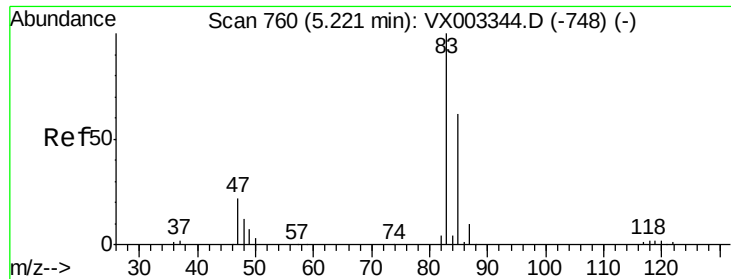
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#24
 Methyl tert-Butyl Ether
 Concen: 17.646 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Tgt Ion: 73 Resp: 245573
 Ion Ratio Lower Upper
 73 100
 43 19.0 19.0 28.4





#25

Chloroform

Concen: 19.972 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBSD01

Tot Ion: 83 Resp: 151074

Ion Ratio Lower Upper

83 100

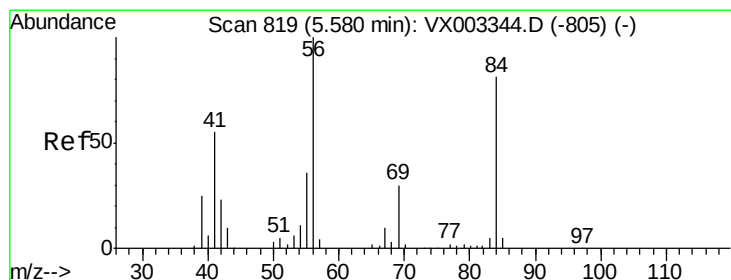
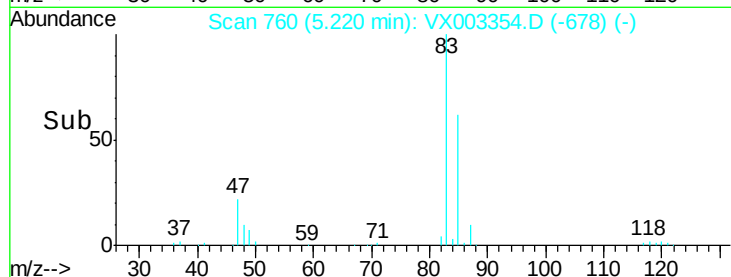
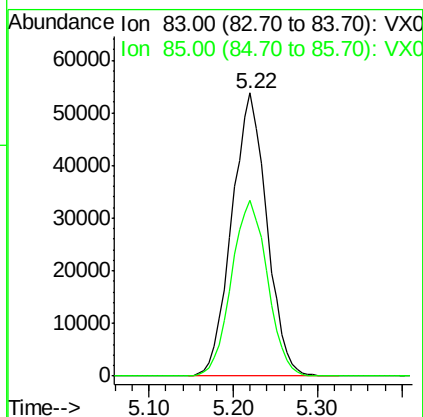
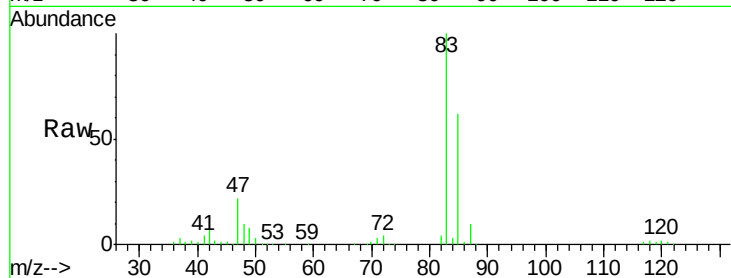
85 62.2 51.9 77.9

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#26

Cyclohexane

Concen: 19.606 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

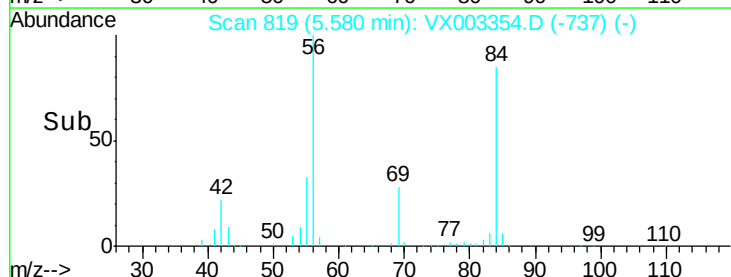
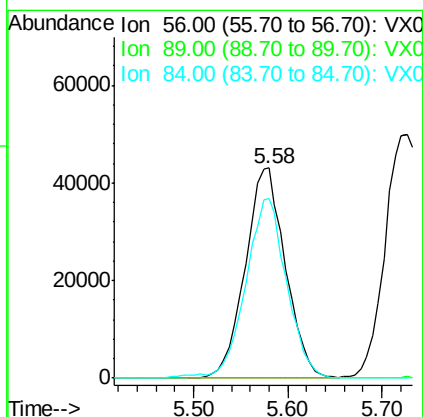
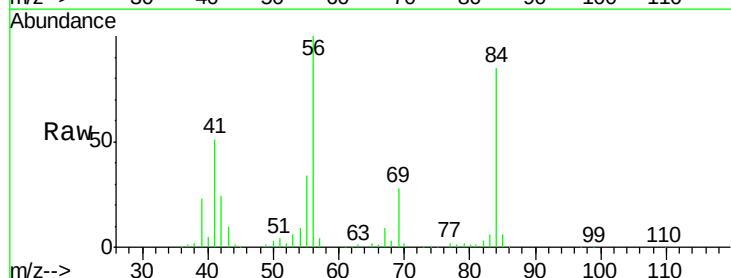
Tgt Ion: 56 Resp: 128557

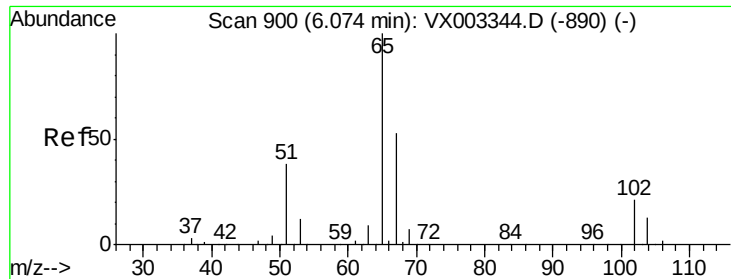
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

84 86.0 64.9 97.3





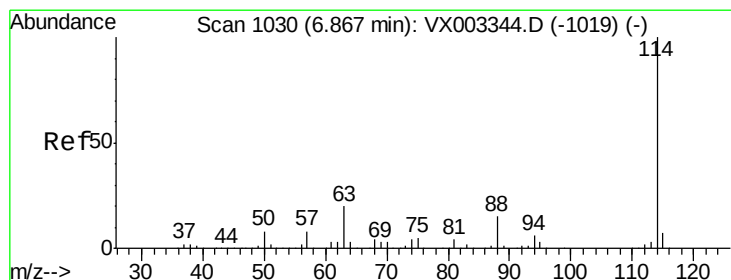
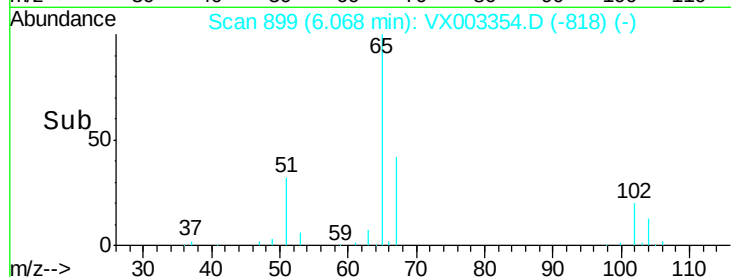
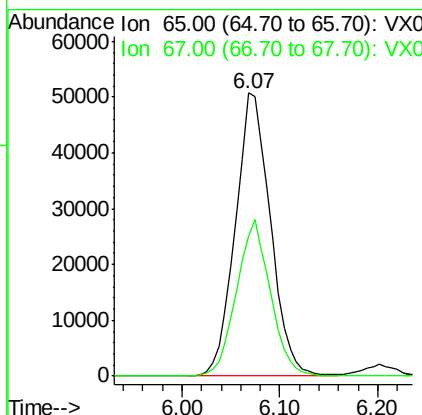
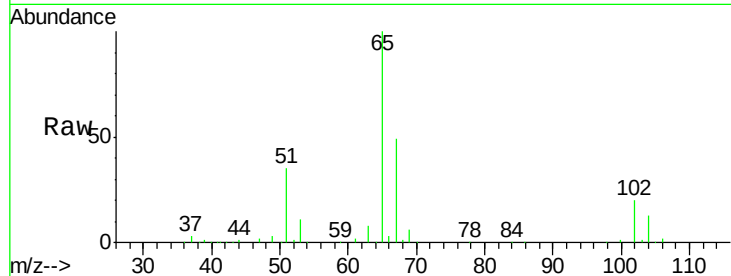
#27
 1,2-Dichloroethane-d4
 Concen: 27.634 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBSD01

Tot Ion: 65 Resp: 126432
 Ion Ratio Lower Upper
 65 100
 67 53.4 40.9 61.3

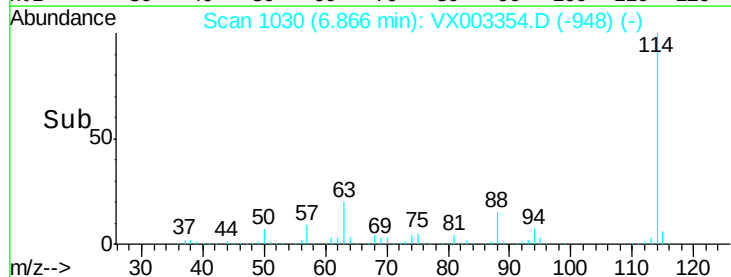
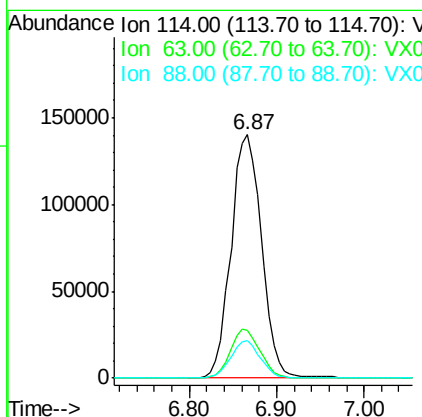
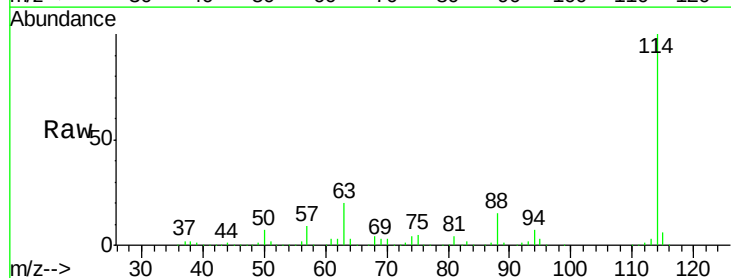
Manual Integrations
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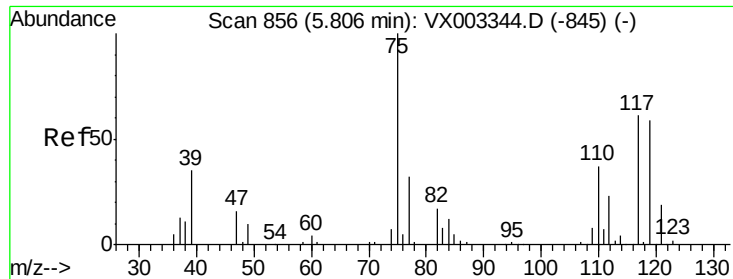
MMDadoda
 7/13/2018 11:35:56 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Tgt Ion: 114 Resp: 341565
 Ion Ratio Lower Upper
 114 100
 63 19.4 17.1 25.7
 88 14.8 12.6 19.0





#29

1,1-Dichloropropene

Concen: 19.125 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

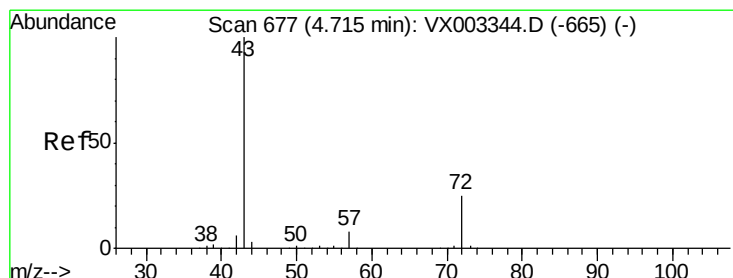
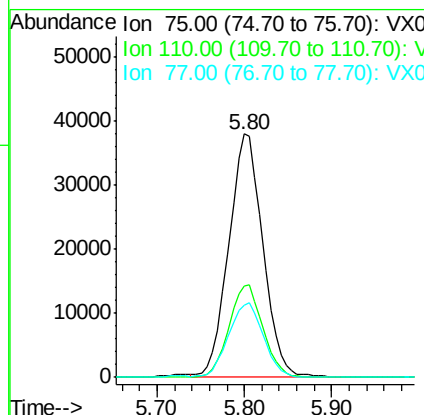
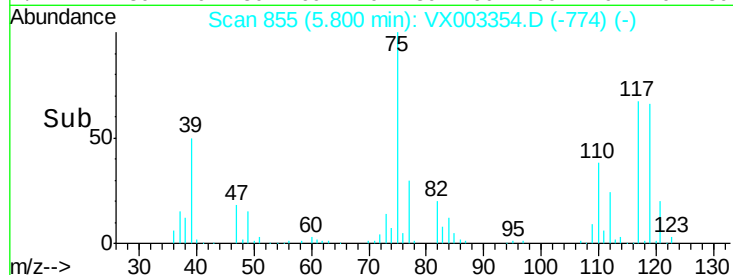
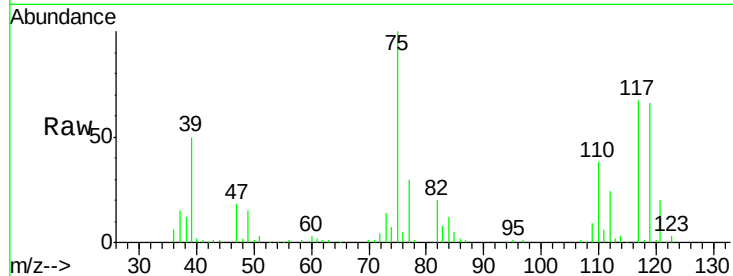
ClientSampleId :

VX0712WBSD01

Tot Ion:	75	Resp:	103002
Ion Ratio	Lower	Upper	
75	100		
110	37.5	0.0	71.4
77	31.4	0.0	60.6

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#30

2-Butanone

Concen: 99.111 ug/l

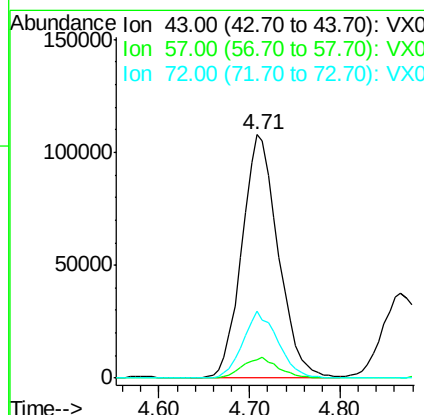
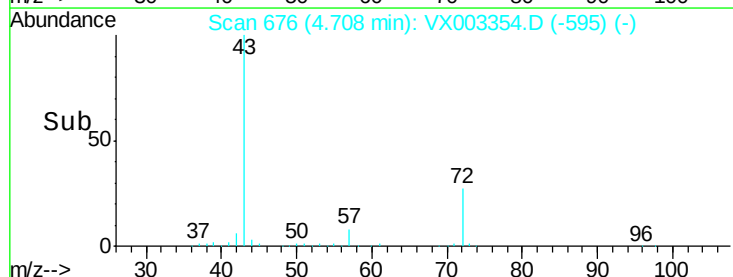
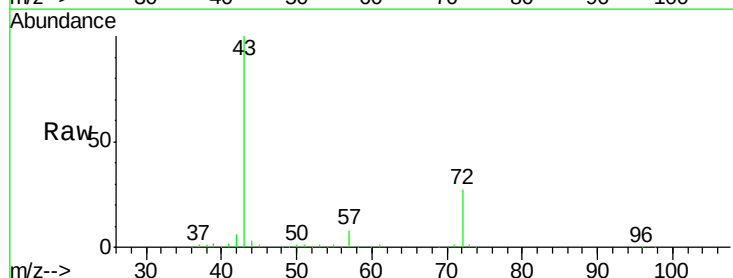
RT: 4.71 min Scan# 676

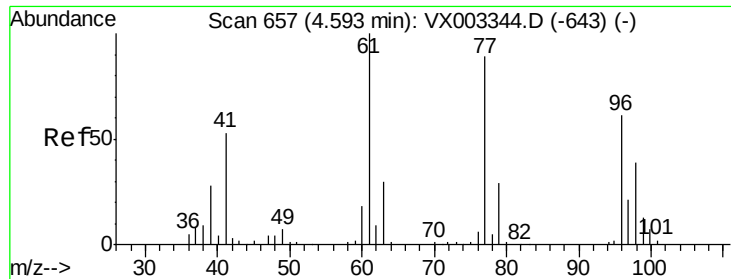
Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Tgt Ion:	43	Resp:	298247
Ion Ratio	Lower	Upper	
43	100		
57	8.4	6.1	9.1
72	26.7	18.1	27.1





#31

2,2-Dichloropropane

Concen: 17.743 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampled :

VX0712WBSD01

Tot Ion: 77 Resp: 103199

Ion Ratio Lower Upper

77 100

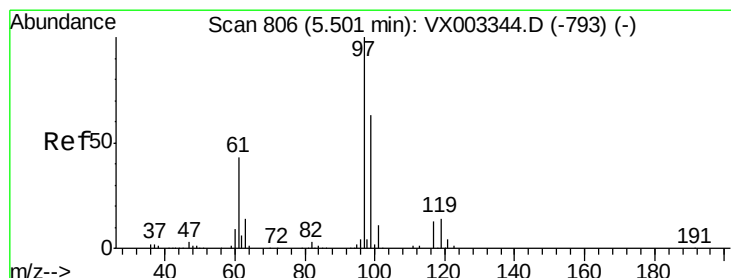
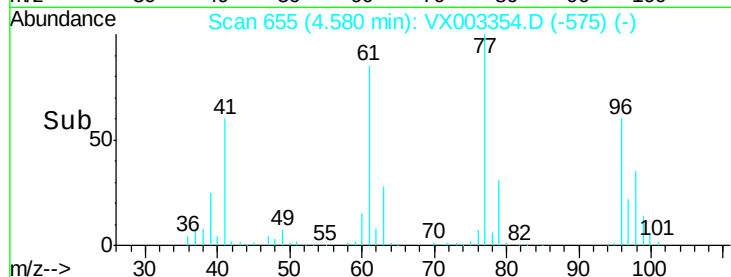
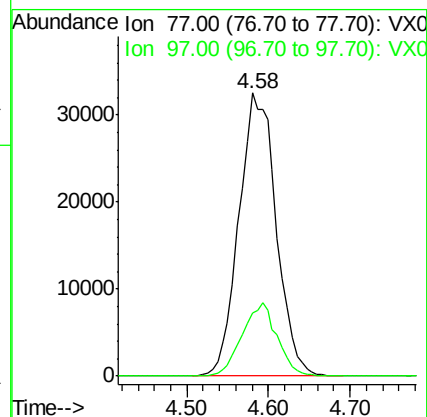
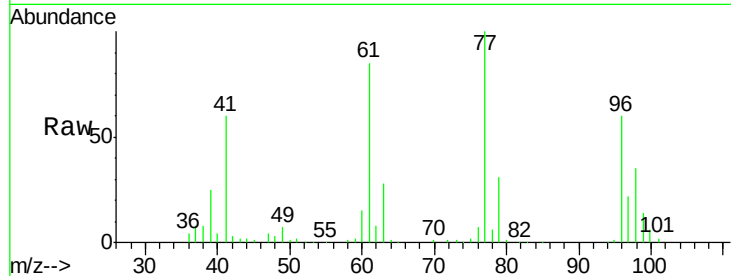
97 24.4 18.7 28.1

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#32

1,1,1-Trichloroethane

Concen: 19.936 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

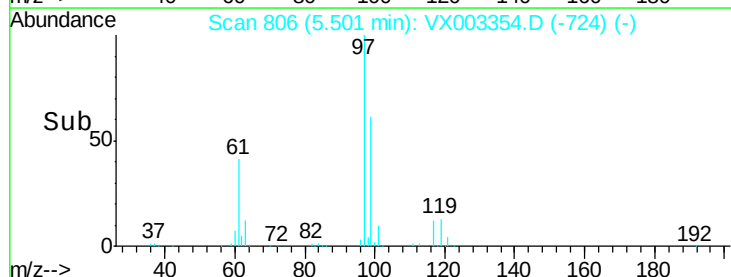
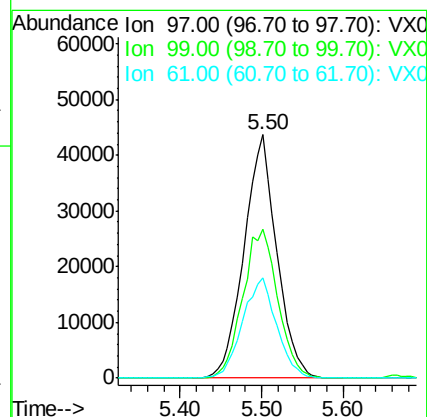
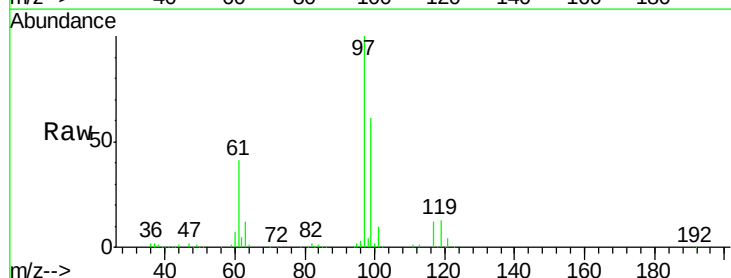
Tgt Ion: 97 Resp: 121553

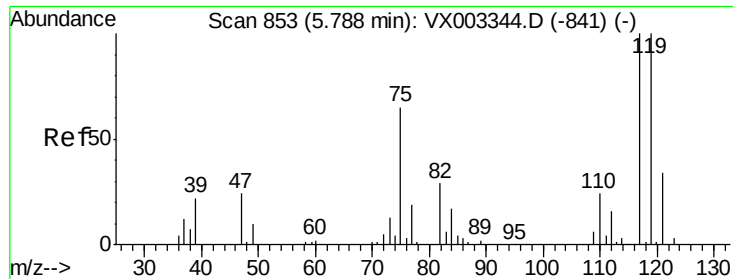
Ion Ratio Lower Upper

97 100

99 65.5 51.7 77.5

61 42.8 36.4 54.6





#33

Carbon Tetrachloride

Concen: 19.155 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBSD01

Tot Ion:117 Resp: 102498

Ion Ratio Lower Upper

117 100

119 94.3 73.3 109.9

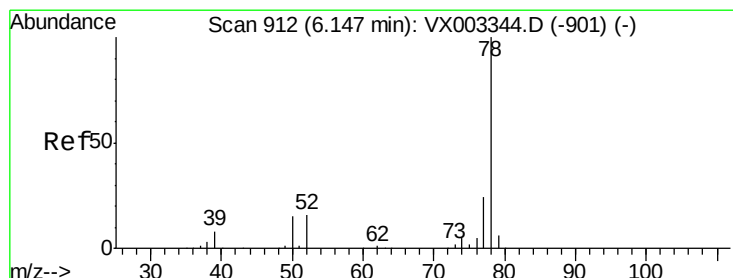
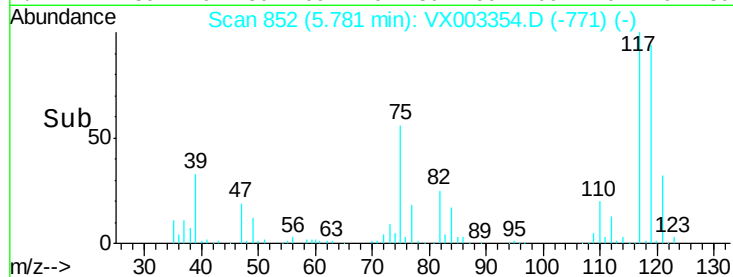
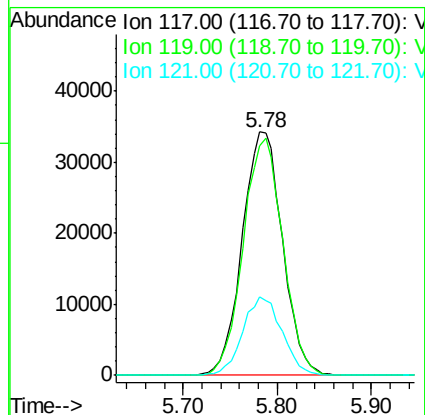
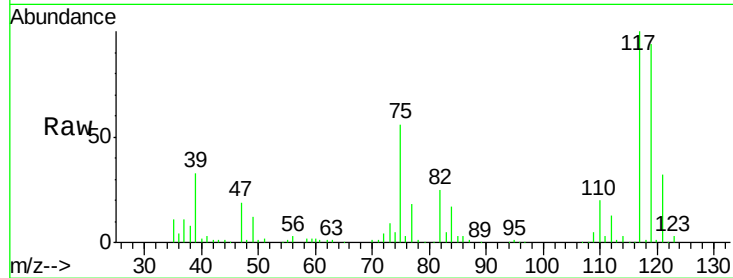
121 32.4 23.6 35.4

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#34

Benzene

Concen: 19.929 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

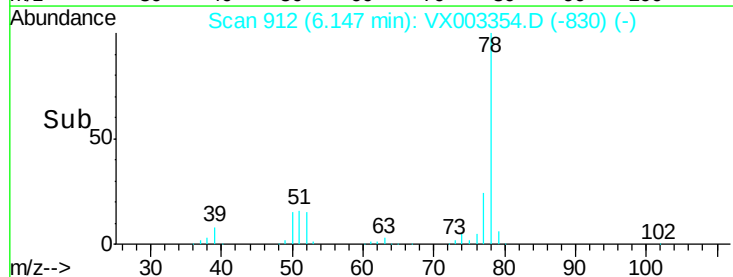
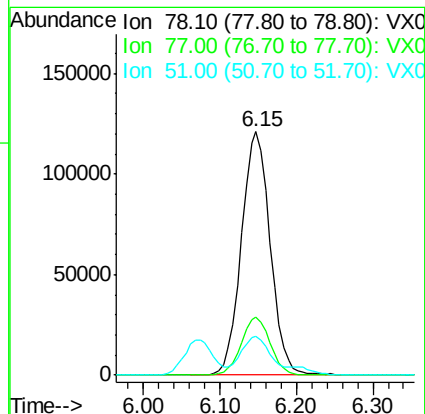
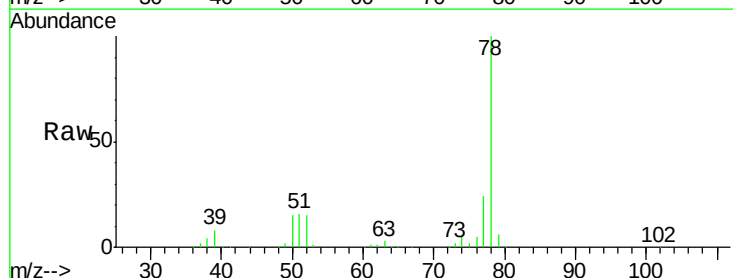
Tgt Ion: 78 Resp: 316045

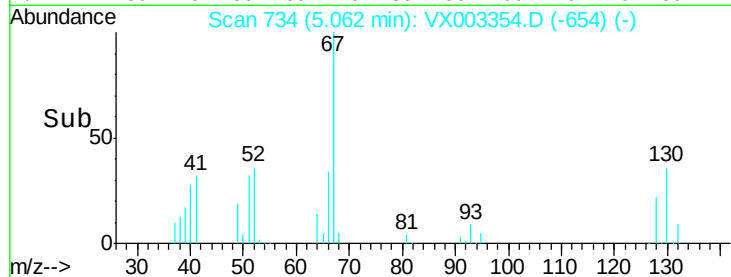
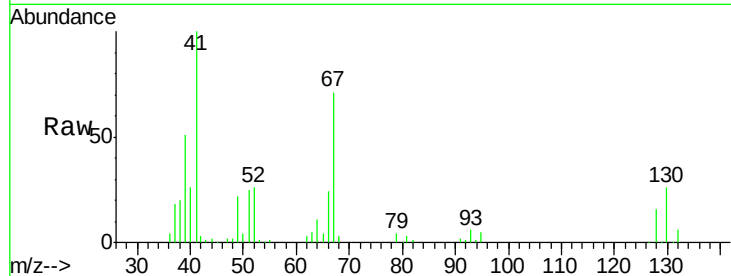
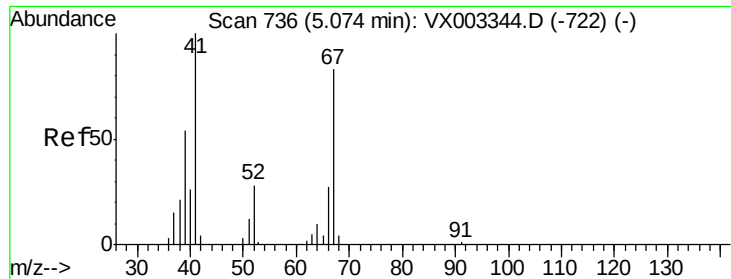
Ion Ratio Lower Upper

78 100

77 23.8 19.4 29.0

51 15.8 13.8 20.6





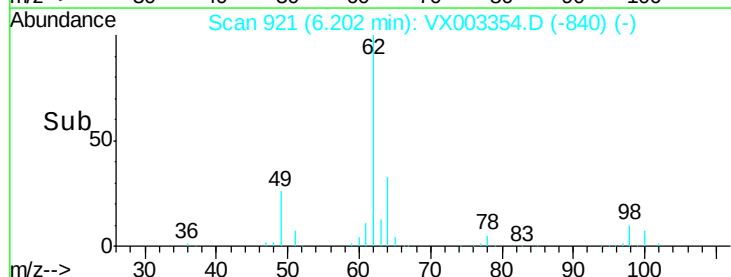
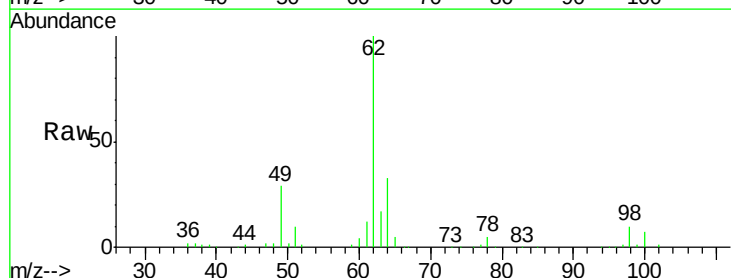
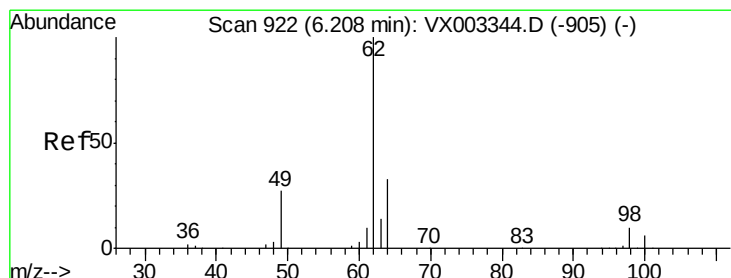
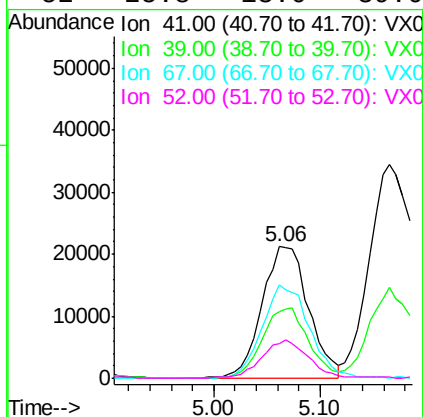
#35
Methacrylonitrile
Concen: 20.179 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	50.4	28.8	86.5		
67	71.6	30.4	91.2		
52	25.8	13.0	39.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

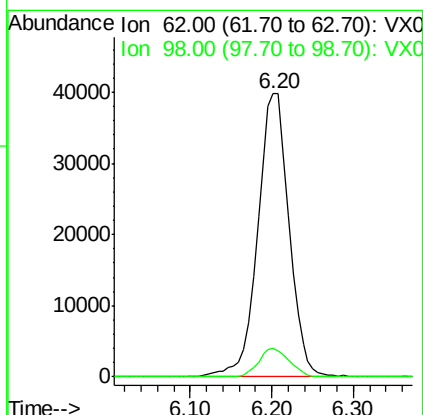
Manual Integrations
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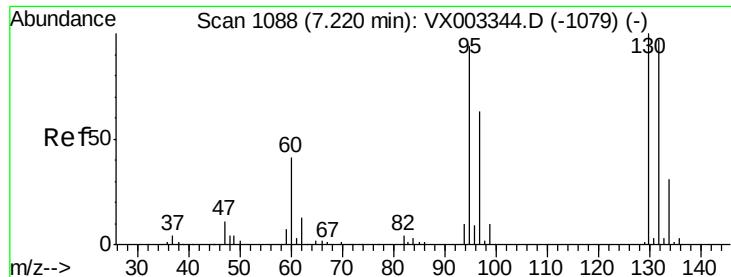
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.332 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.9	6.5	9.7#		





#37

Trichloroethene

Concen: 19.937 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBSD01

Tot Ion:130 Resp: 87436

Ion Ratio Lower Upper

130 100

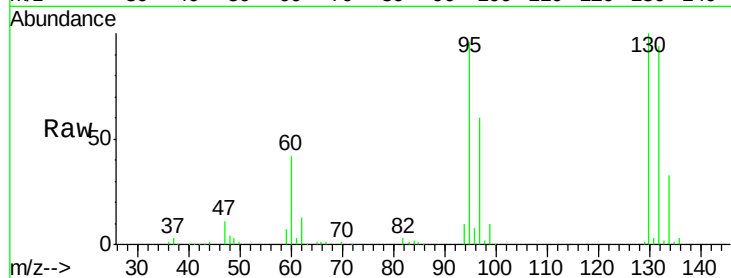
95 96.0 81.5 122.3

Manual Integrations

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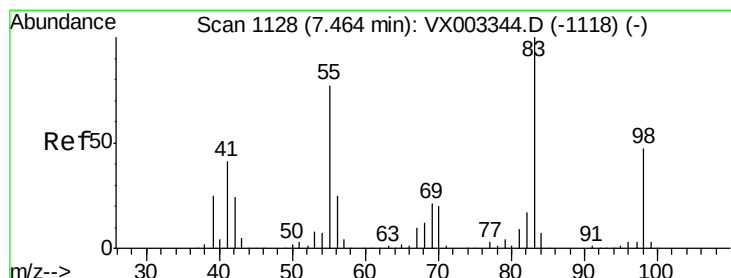
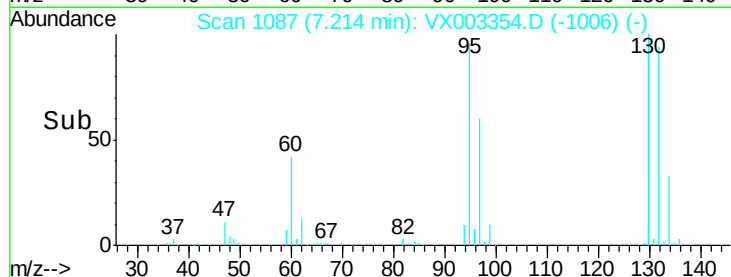
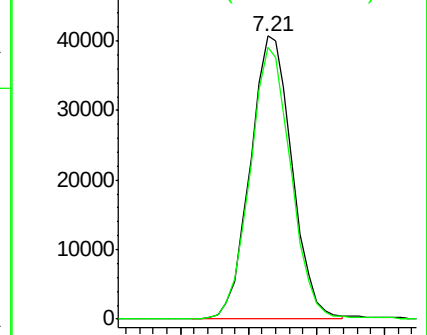
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.068 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

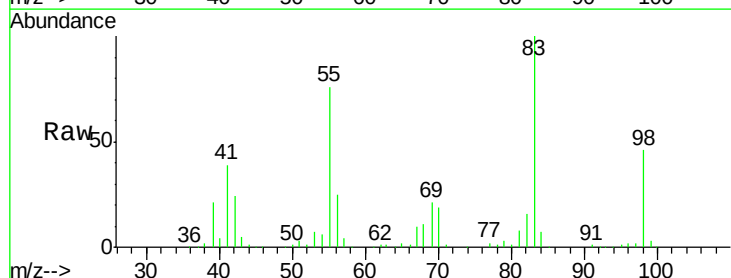
Tgt Ion: 83 Resp: 116069

Ion Ratio Lower Upper

83 100

55 78.2 40.6 121.8

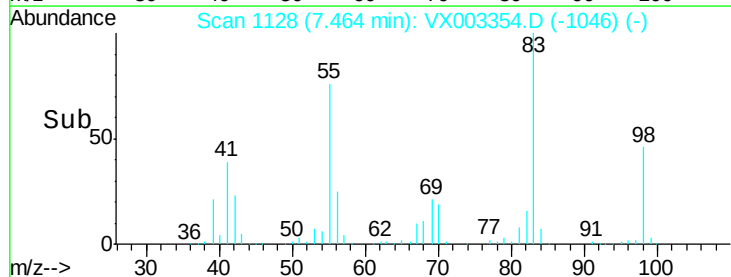
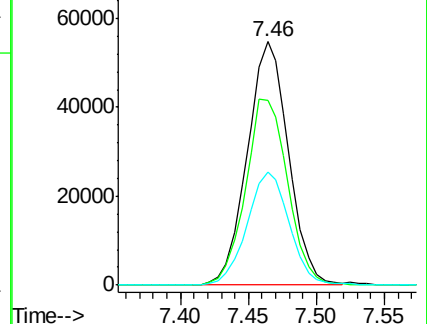
98 47.7 23.5 70.5

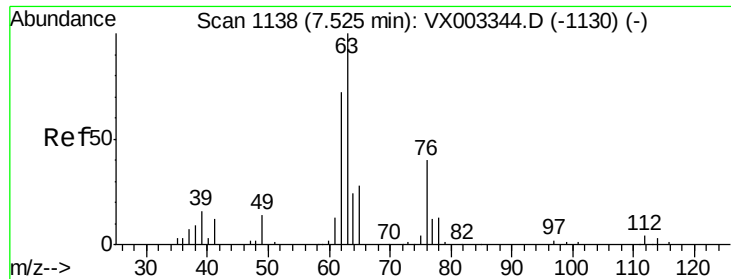


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





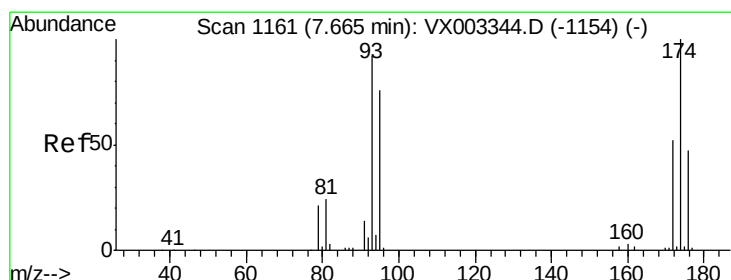
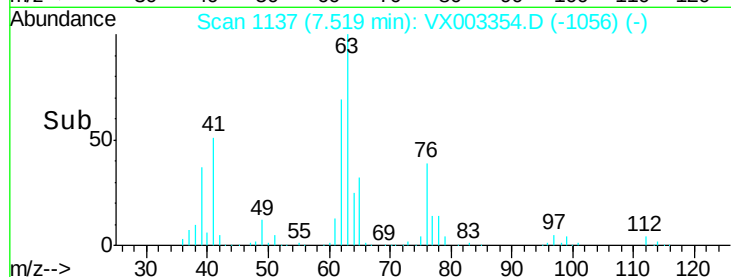
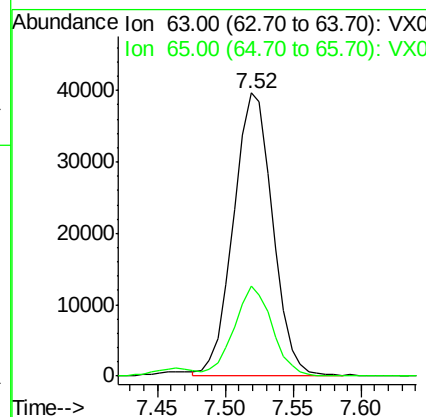
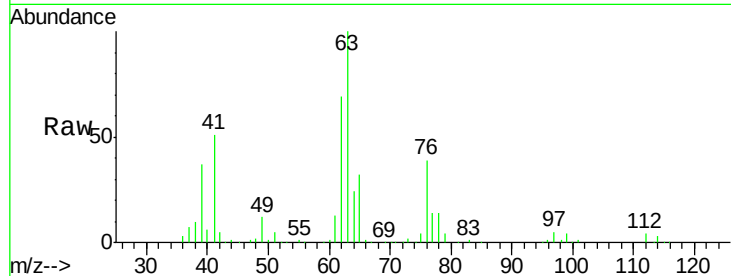
#39
 1,2-Dichloropropane
 Concen: 19.507 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	23.3	34.9

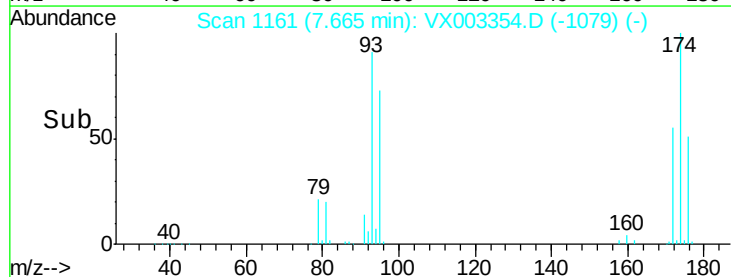
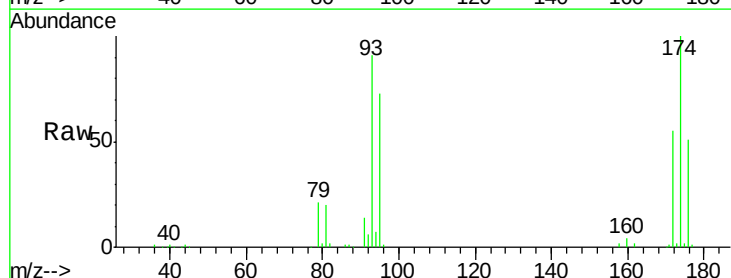
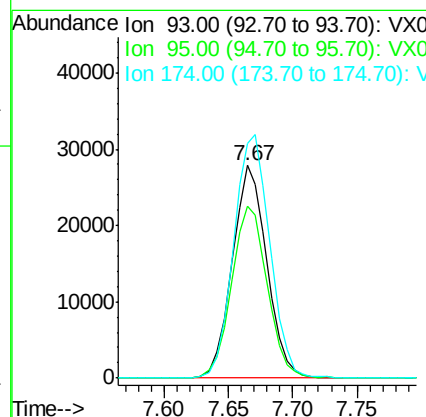
Manual Integrations
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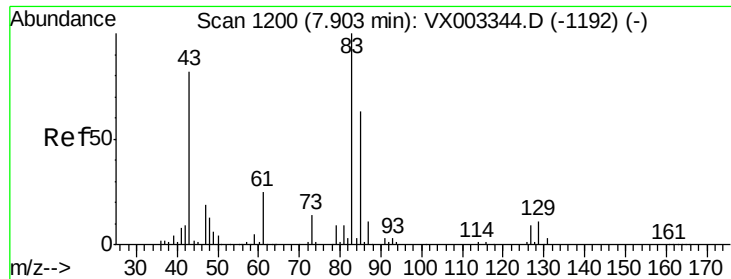
MMDadoda
 7/13/2018 11:35:56 AM



#40
 Dibromomethane
 Concen: 19.353 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	162.6
174	119.6	0.0	229.4





#41

Bromodichloromethane

Concen: 18.916 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

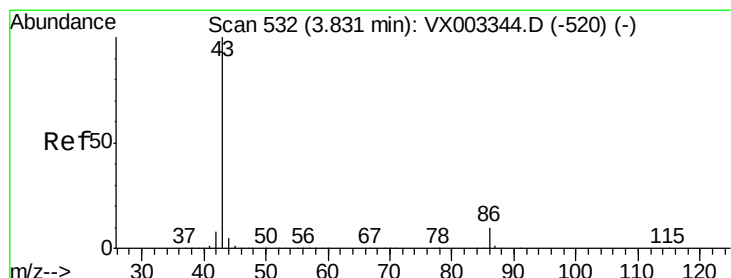
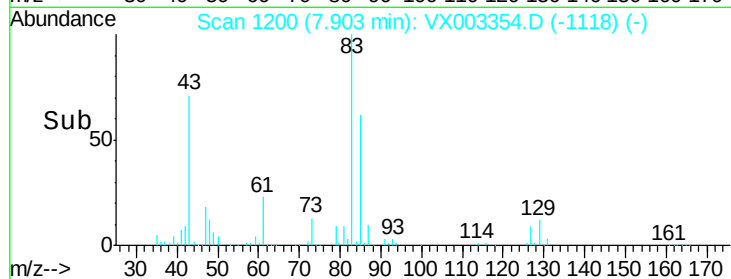
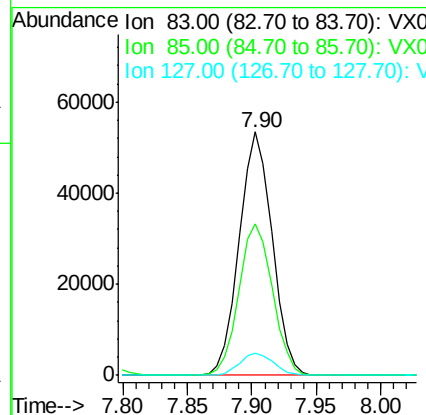
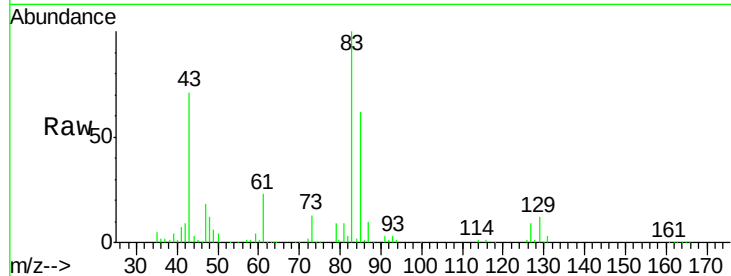
ClientSampleId :

VX0712WBSD01

Tot Ion:	83	Resp:	95120
Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.8	74.8
127	8.9	7.3	10.9

Manual Integrations
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7/13/2018 11:35:56 AM



#42

Vinyl Acetate

Concen: 89.251 ug/l

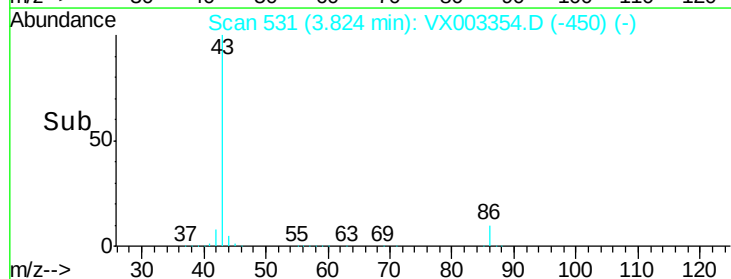
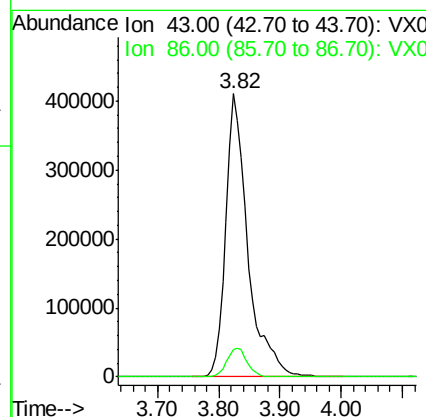
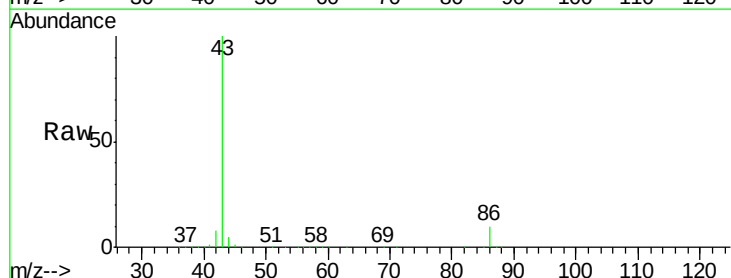
RT: 3.82 min Scan# 531

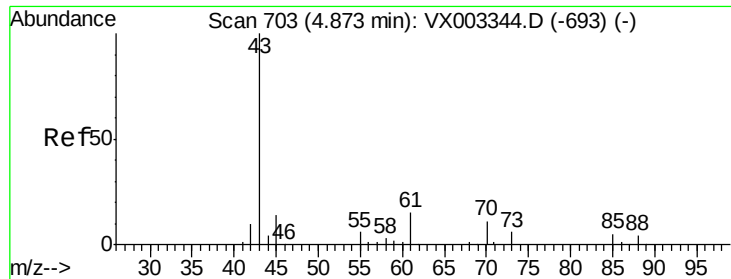
Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Tgt Ion:	43	Resp:	1031804
Ion	Ratio	Lower	Upper
43	100		
86	9.3	6.7	10.1





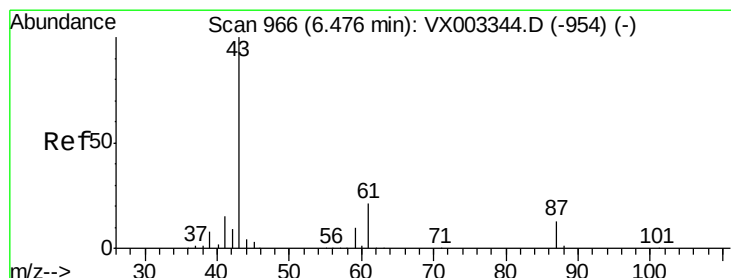
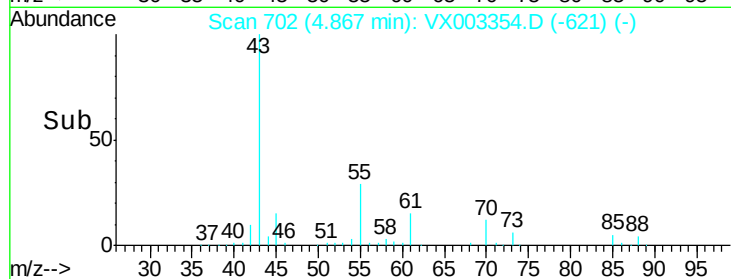
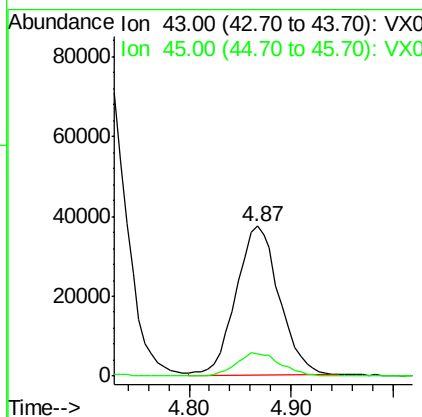
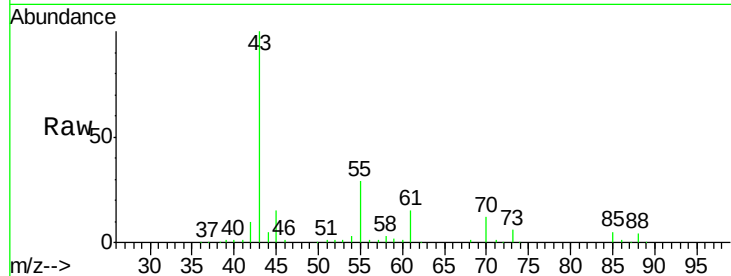
#43
Ethyl Acetate
Concen: 19.195 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

Tot Ion: 43 Resp: 109714
Ion Ratio Lower Upper
43 100
45 15.8 11.0 16.4

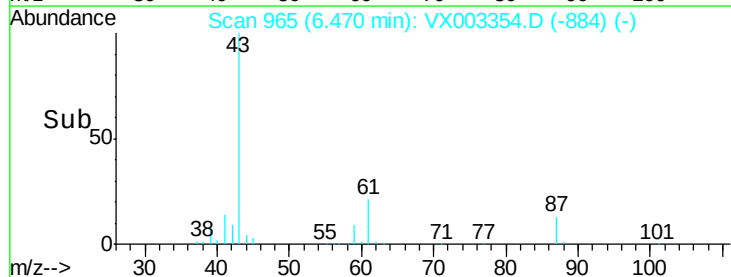
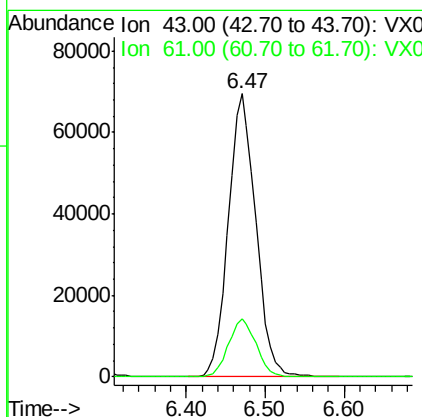
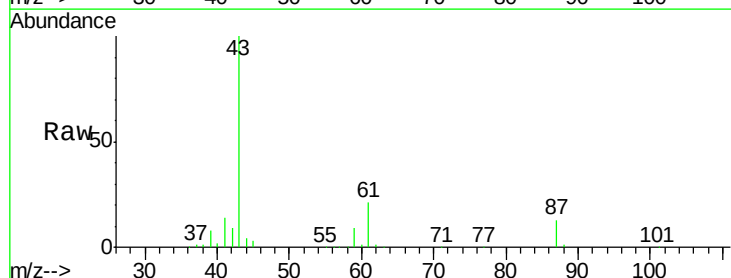
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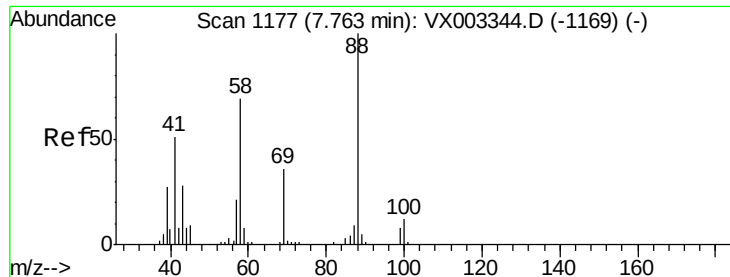
MMDadoda
7/13/2018 11:35:56 AM



#44
Isopropyl Acetate
Concen: 19.226 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion: 43 Resp: 168433
Ion Ratio Lower Upper
43 100
61 20.7 14.5 21.7





#45

1,4-Dioxane

Concen: 403.128 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

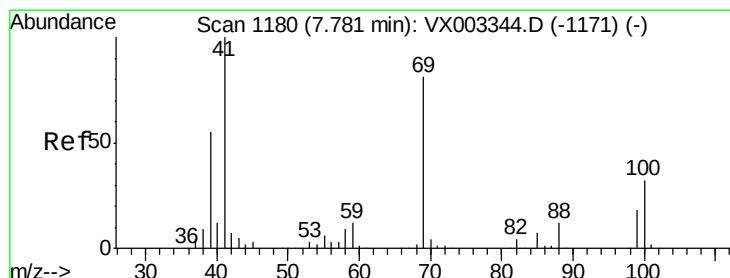
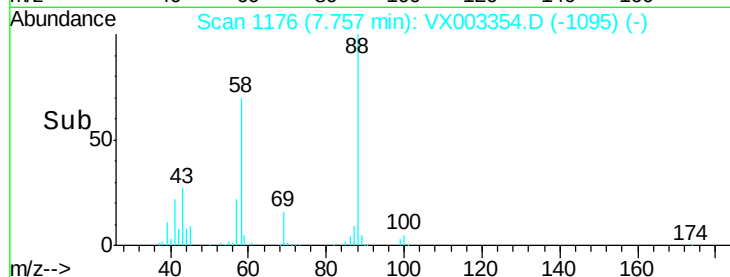
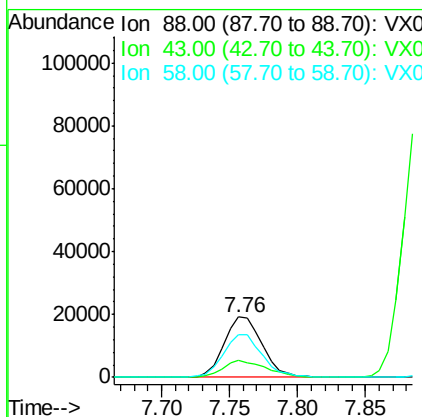
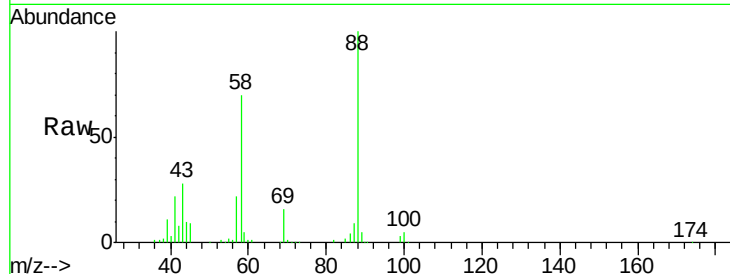
ClientSampleId :

VX0712WBSD01

Tot Ion:	88	Resp:	37697
Ion	Ratio	Lower	Upper
88	100		
43	30.1	43.2	64.8#
58	71.7	60.2	90.2

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MMDadoda
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#46

Methyl methacrylate

Concen: 18.732 ug/l

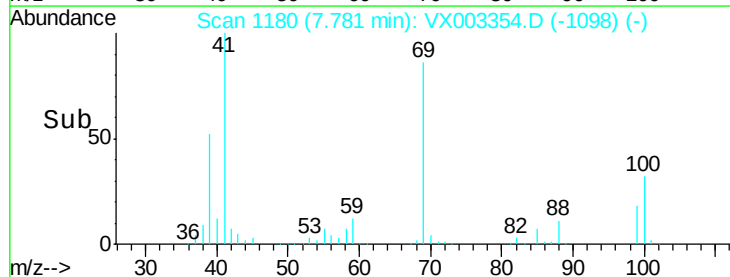
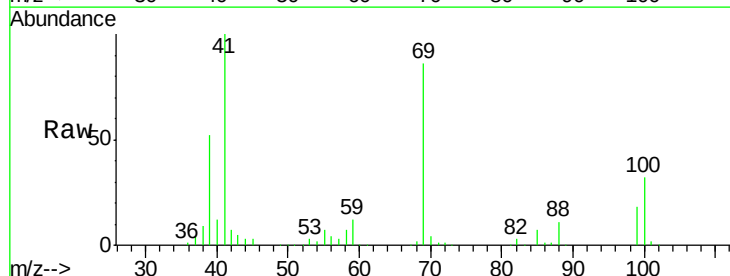
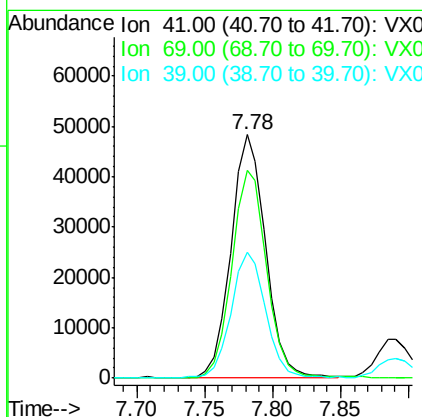
RT: 7.78 min Scan# 1180

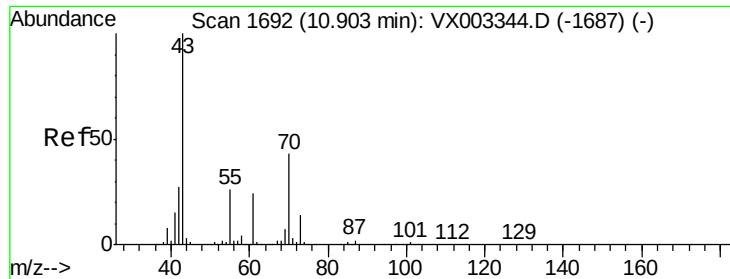
Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Tgt Ion:	41	Resp:	84864
Ion	Ratio	Lower	Upper
41	100		
69	85.9	37.0	110.9
39	51.6	29.6	88.9





#47

n-amvl Acetate

Concen: 17.190 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBSD01

Tot Ion: 43 Resp: 129716

Ion Ratio Lower Upper

43 100

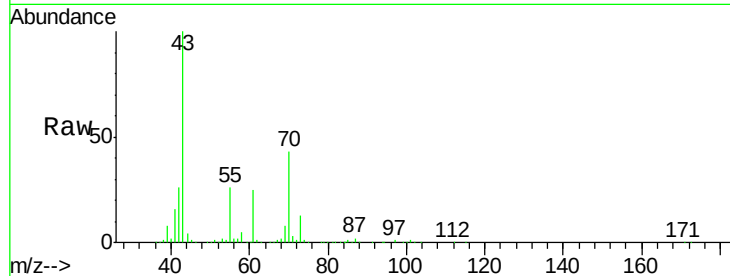
55 26.2 0.1 0.1#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

120000

100000

80000

60000

40000

20000

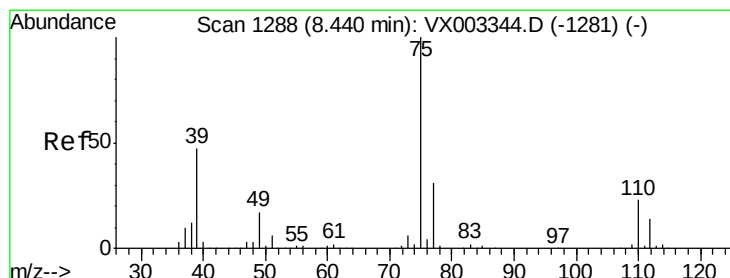
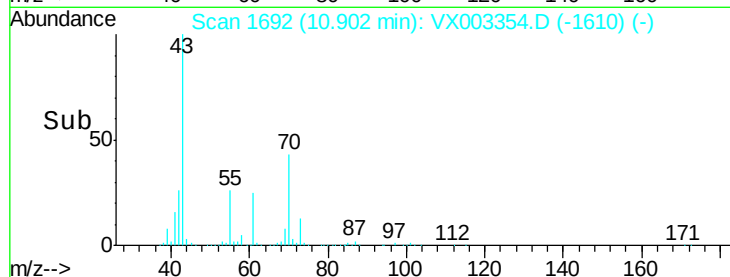
0

10.85

10.90

10.95

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.657 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003354.D

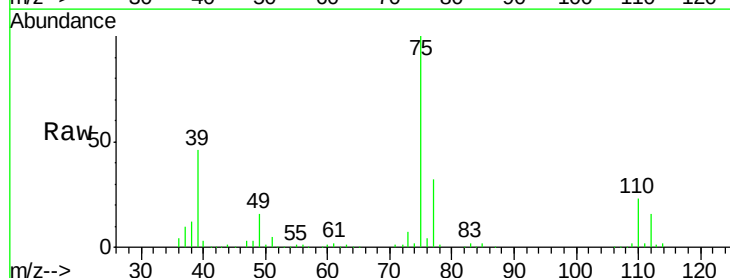
Acq: 12 Jul 2018 16:29

Tgt Ion: 75 Resp: 114181

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

80000

60000

40000

20000

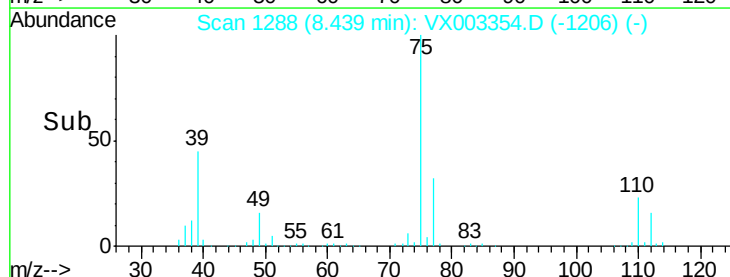
0

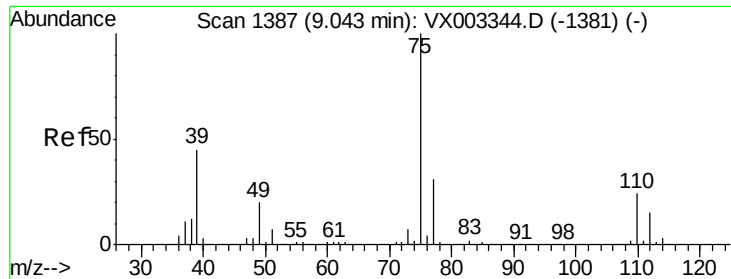
8.40

8.44

8.50

Time-->





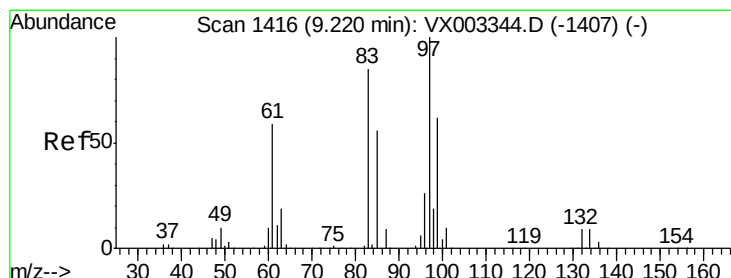
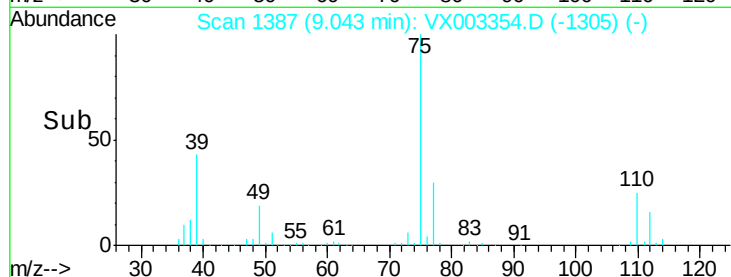
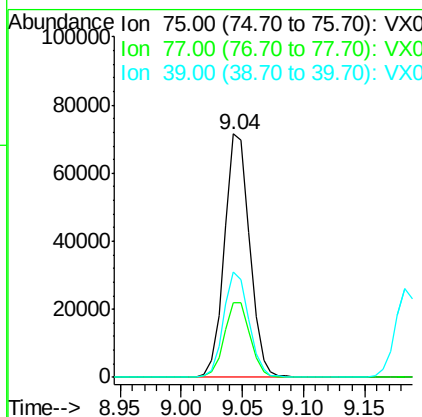
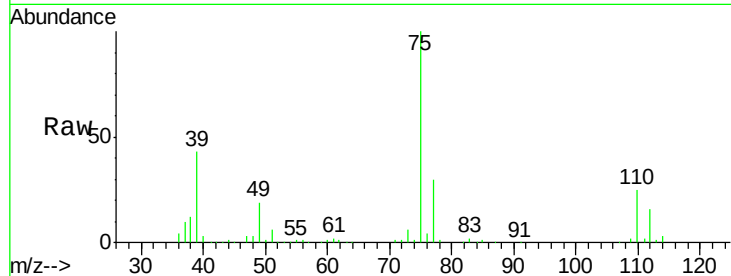
#49
 cis-1,3-Dichloropropene
 Concen: 18.414 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	102054		
77	30.3		25.4	38.2
39	43.3		42.3	63.5

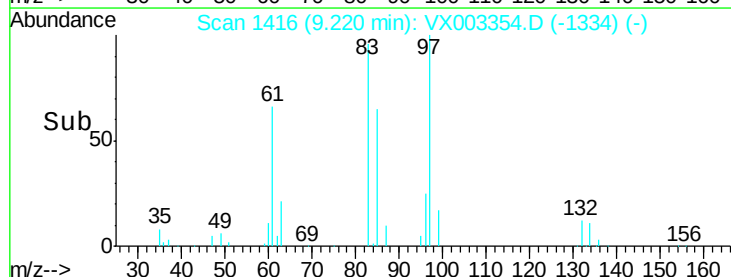
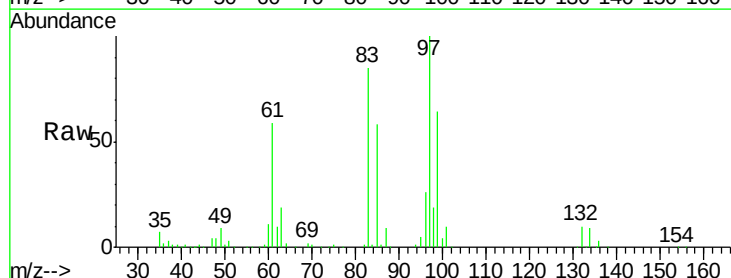
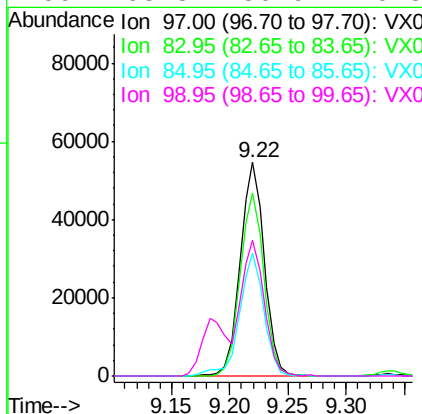
Manual Integrations
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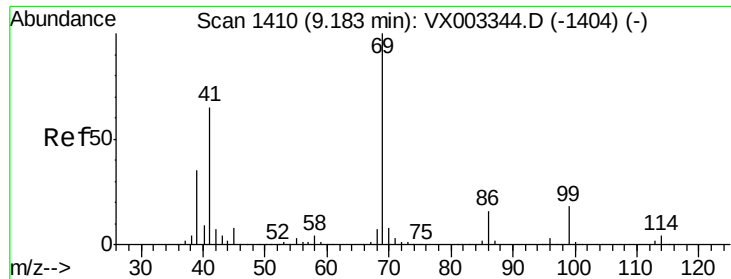
MMDadoda
 7/13/2018 11:35:56 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.414 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	78796		
83	85.5		70.8	106.2
85	57.6		43.5	65.3
99	63.8		50.9	76.3





#51

Ethyl methacrylate

Concen: 18.712 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

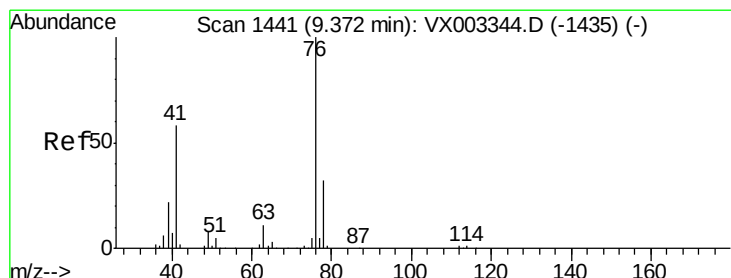
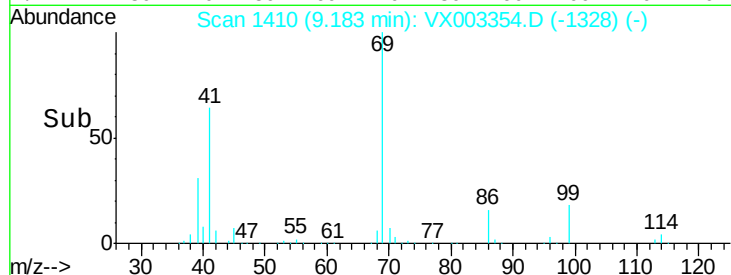
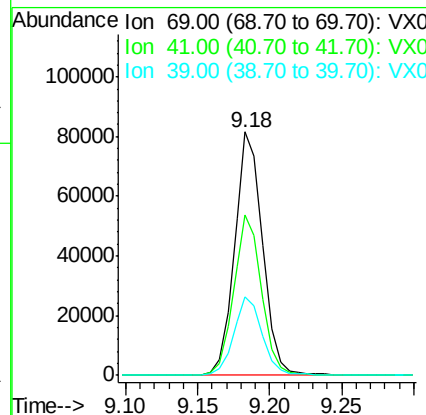
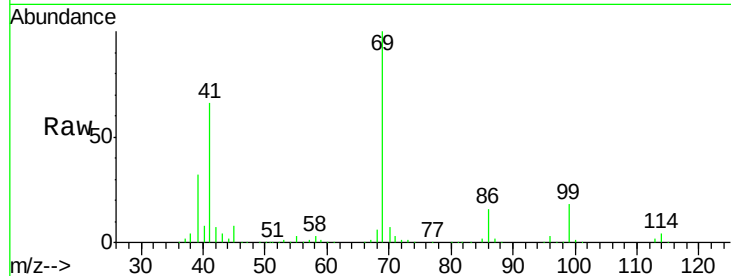
VX0712WBSD01

Tot Ion: 69 Resp: 110678

Ion	Ratio	Lower	Upper
69	100		
41	65.8	39.1	117.3
39	31.9	21.7	65.1

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7/13/2018 11:35:56 AM



#52

1,3-Dichloropropane

Concen: 19.351 ug/l

RT: 9.37 min Scan# 1441

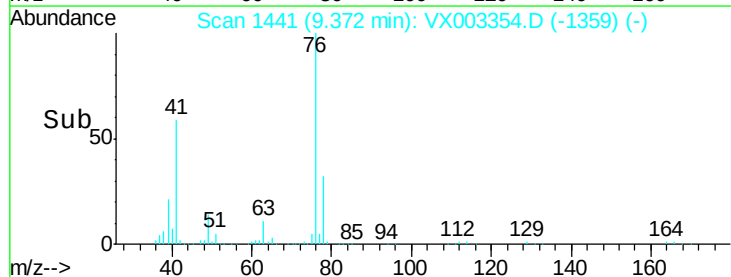
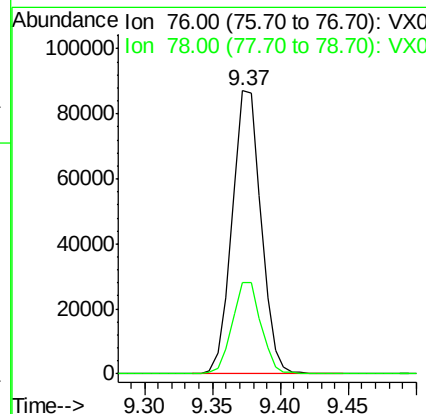
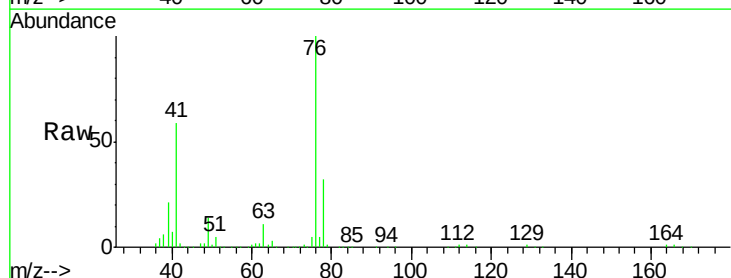
Delta R.T. -0.00 min

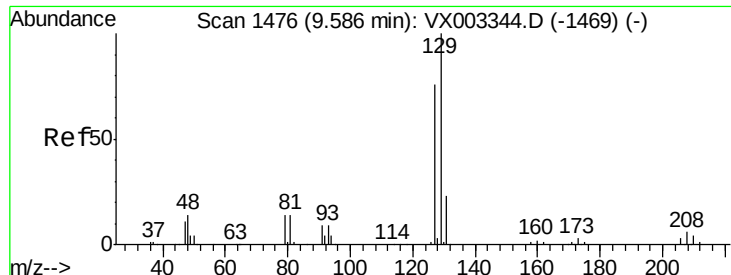
Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Tgt Ion: 76 Resp: 129000

Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.4





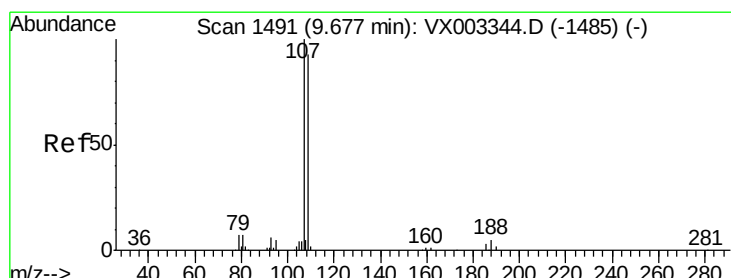
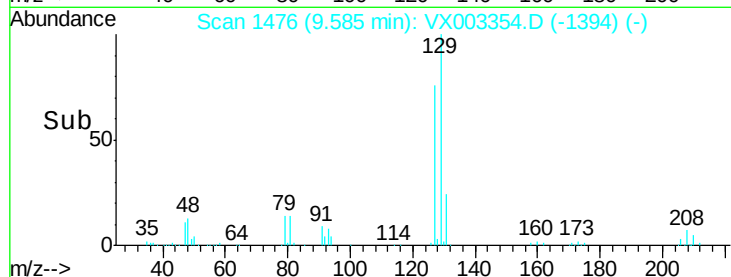
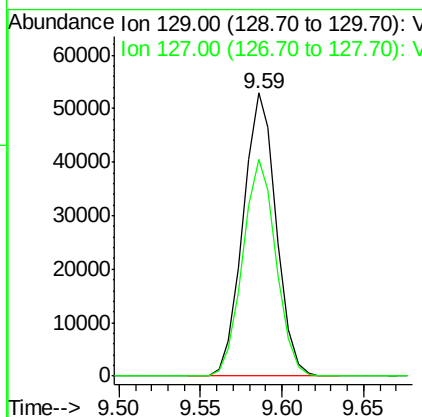
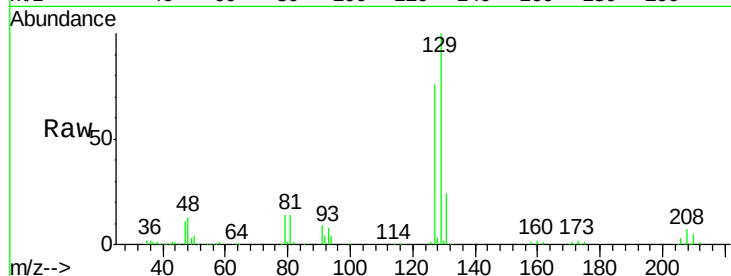
#53
 Dibromochloromethane
 Concen: 18.462 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBSD01

Tot Ion:129 Resp: 74888
 Ion Ratio Lower Upper
 129 100
 127 76.7 38.5 115.3

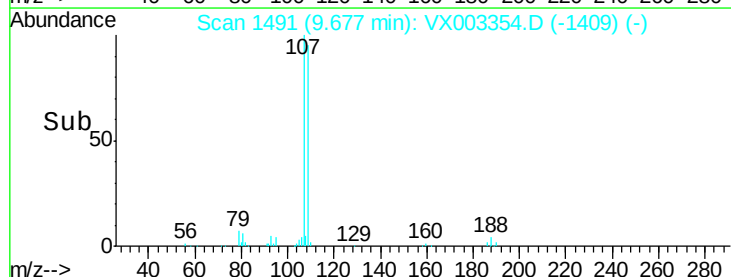
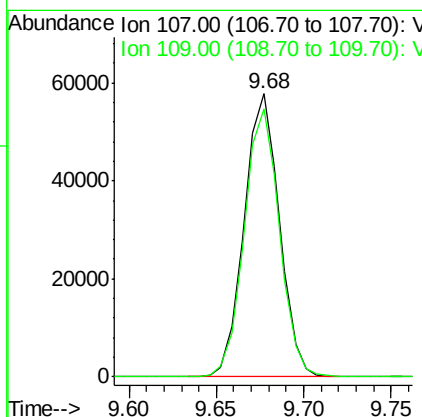
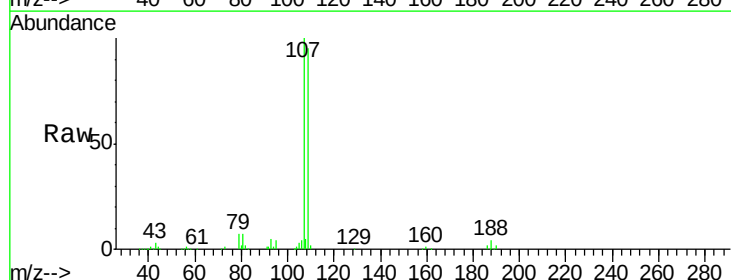
Manual Integrations
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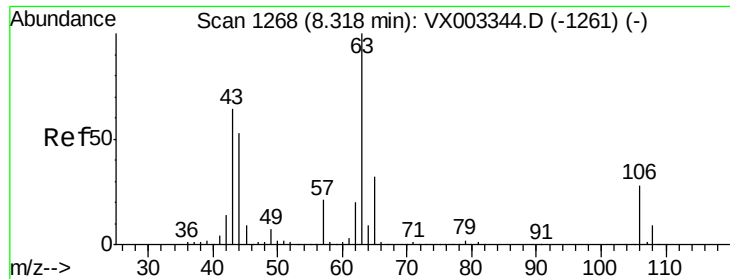
MMDadoda
 7/13/2018 11:35:56 AM



#54
 1,2-Dibromoethane
 Concen: 19.224 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Tgt Ion:107 Resp: 80916
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.5 113.3





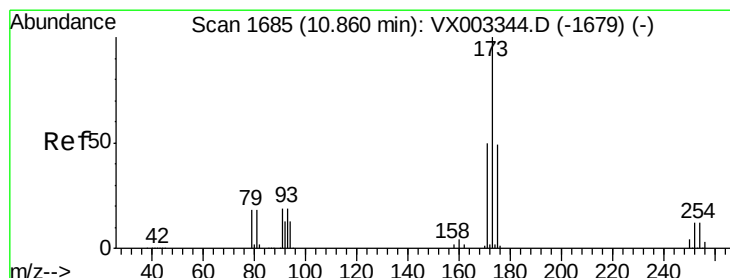
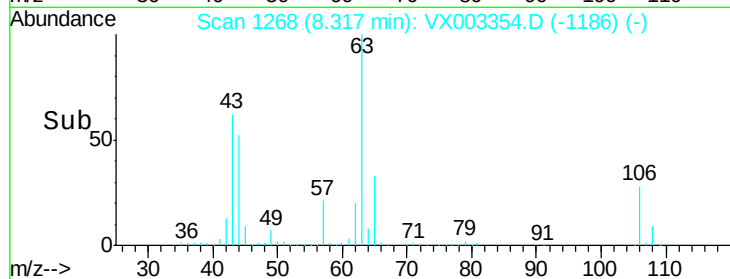
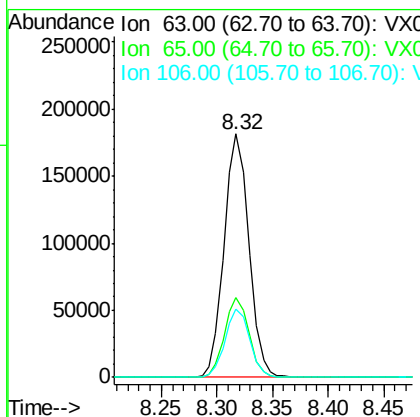
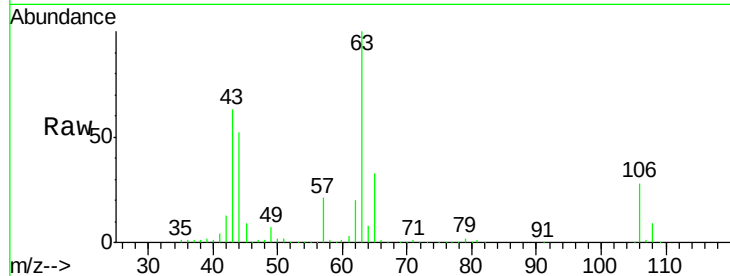
#55
 2-Chloroethyl vinyl ether
 Concen: 100.787 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBSD01

Tot Ion:	63	Resp:	281255
Ion Ratio	Lower	Upper	
63	100		
65	32.2	25.6	38.4
106	27.9	21.6	32.4

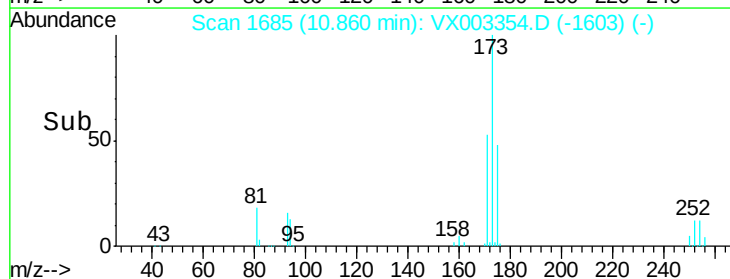
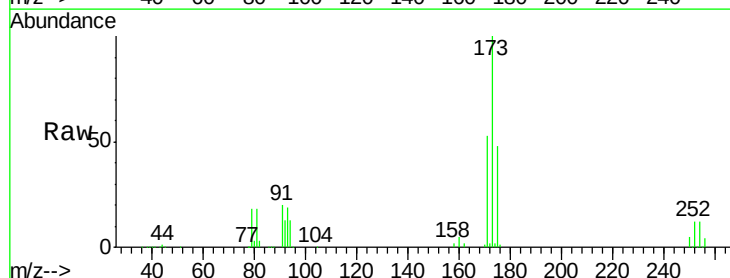
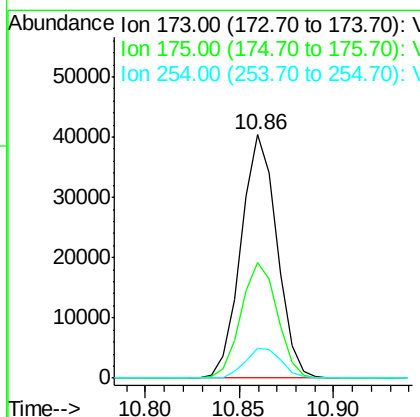
Manual Integrations
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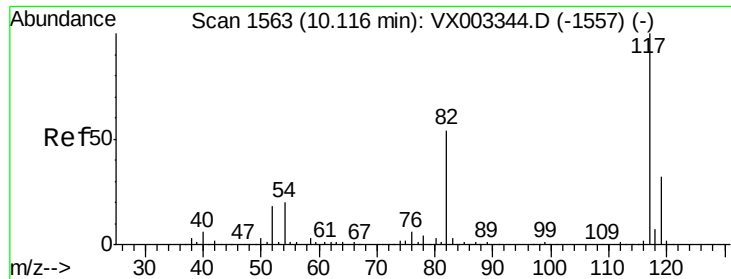
MMDadoda
 7/13/2018 11:35:56 AM



#56
 Bromoform
 Concen: 17.216 ug/l
 RT: 10.86 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Tgt Ion:	173	Resp:	53393
Ion Ratio	Lower	Upper	
173	100		
175	48.0	39.0	58.4
254	12.4	9.6	14.4





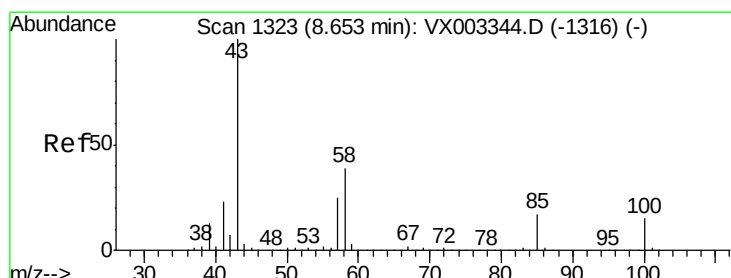
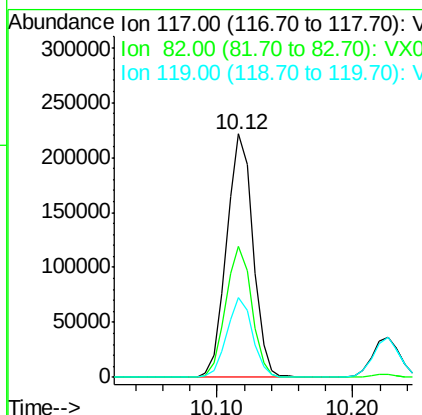
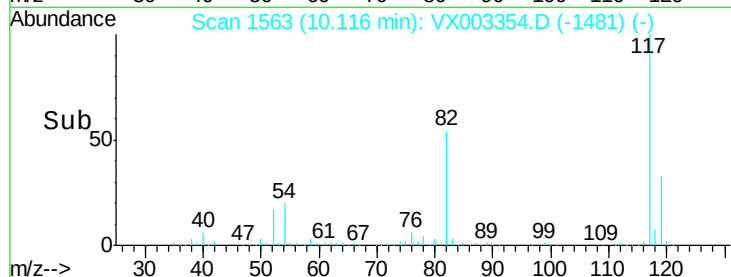
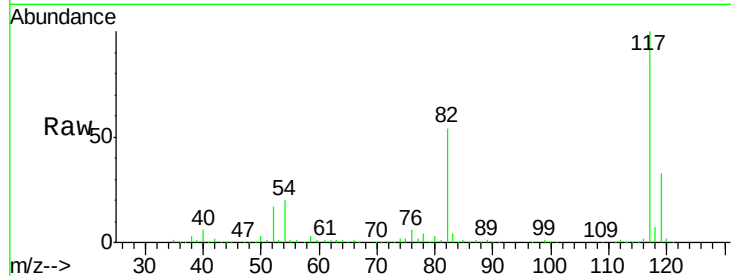
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.3	66.5
119	31.9	25.7	38.5

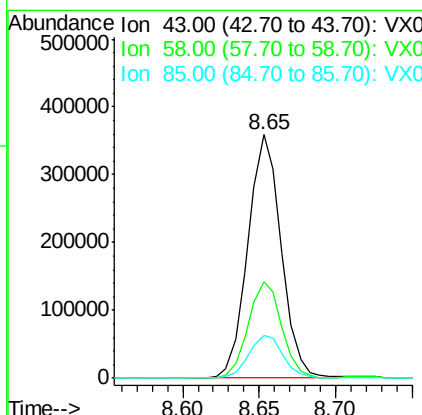
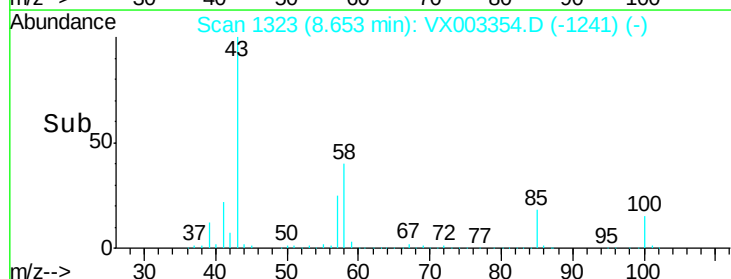
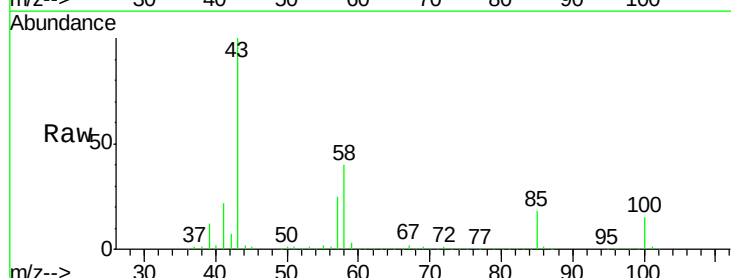
Manual Integrations
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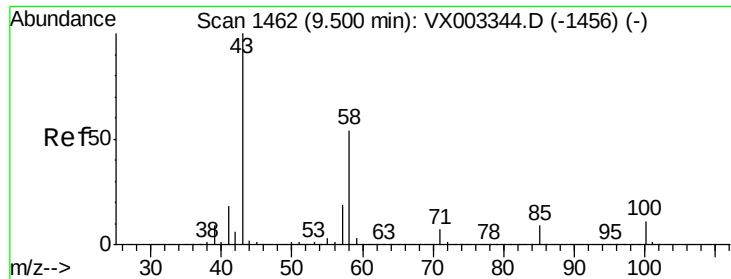
MMDadoda
7/13/2018 11:35:56 AM



#58
4-Methyl-2-Pentanone
Concen: 102.311 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	28.2	42.4
85	18.2	12.4	18.6





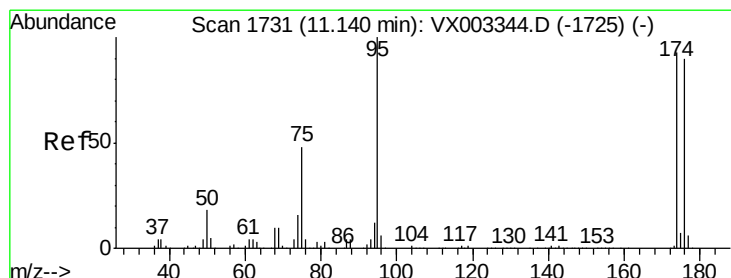
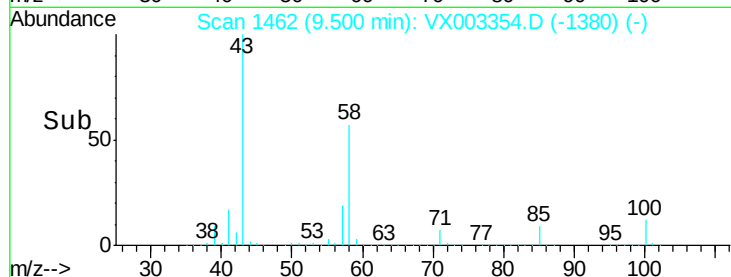
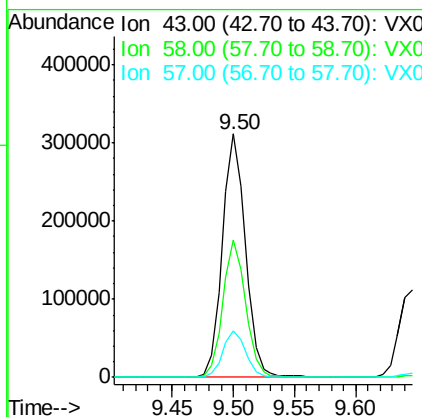
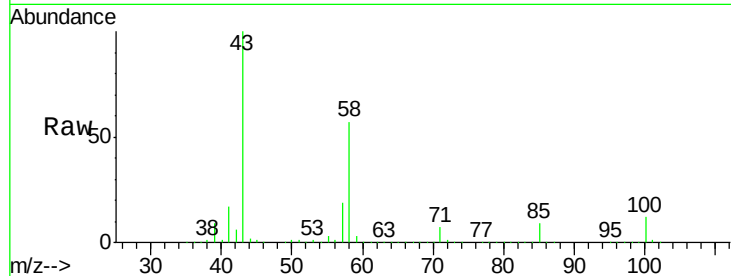
#59
2-Hexanone
Concen: 100.569 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	39.6	59.4
57	19.3	14.1	21.1

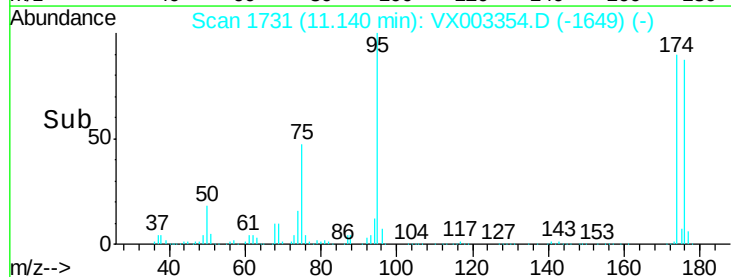
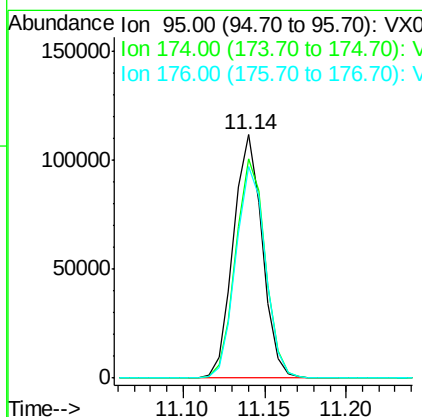
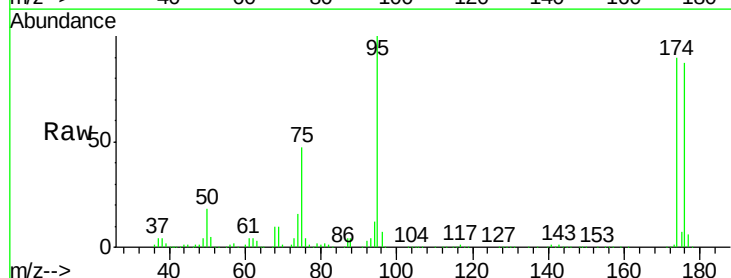
Manual Integrations
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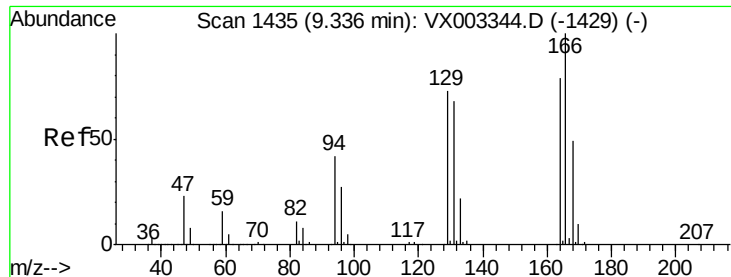
MMDadoda
7/13/2018 11:35:56 AM



#60
4-Bromofluorobenzene
Concen: 28.705 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	71.8	107.6
176	88.6	70.1	105.1





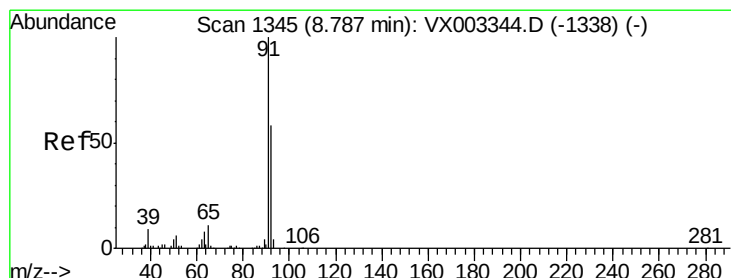
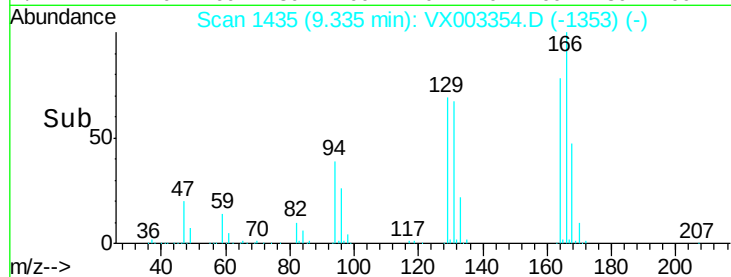
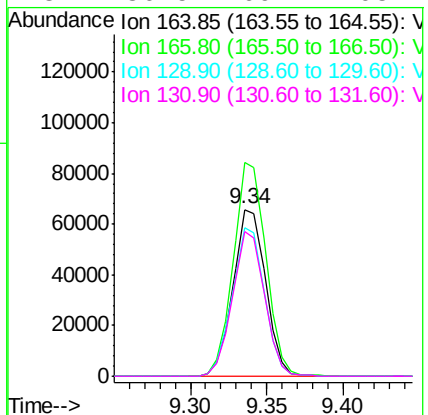
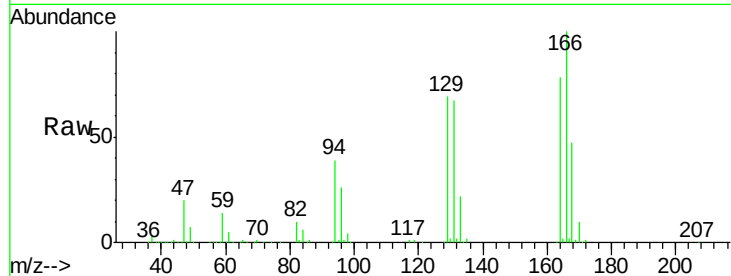
#61
Tetrachloroethene
Concen: 21.303 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.4	153.6
129	89.0	70.1	105.1
131	86.5	69.1	103.7

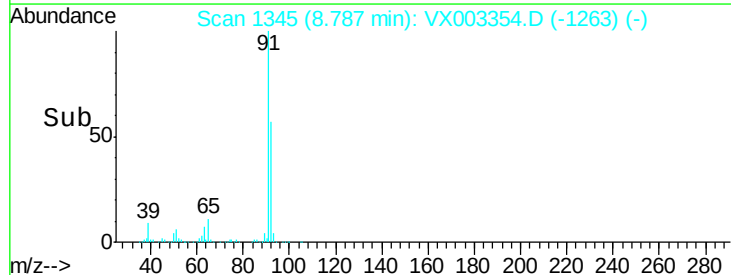
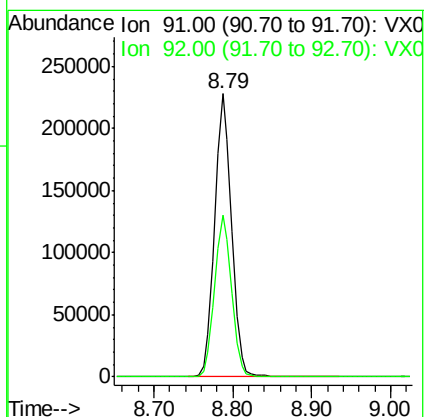
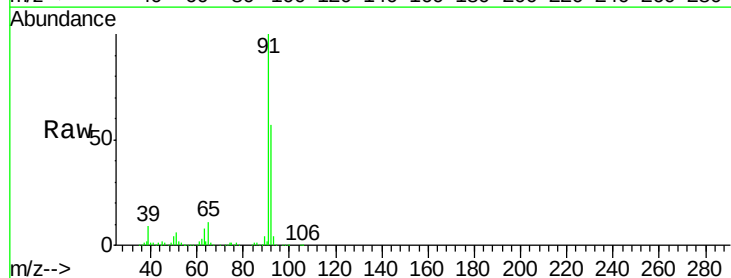
Manual Integrations
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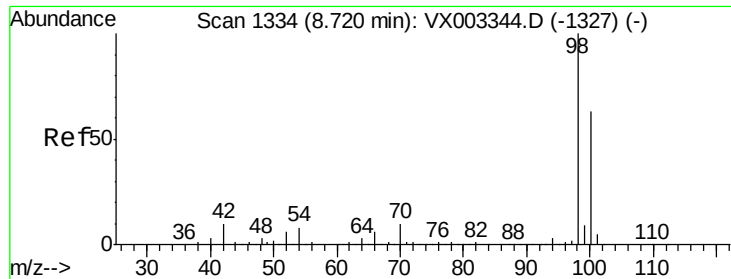
MMDadoda
7/13/2018 11:35:56 AM



#62
Toluene
Concen: 20.997 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	46.5	69.7





#63

Toluene-d8

Concen: 31.573 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBSD01

Tot Ion: 98 Resp: 416680

Ion Ratio Lower Upper

98 100

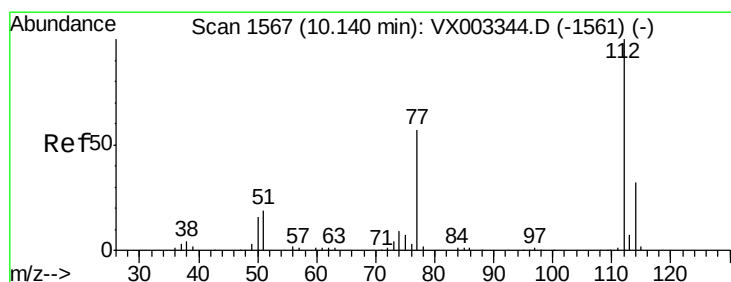
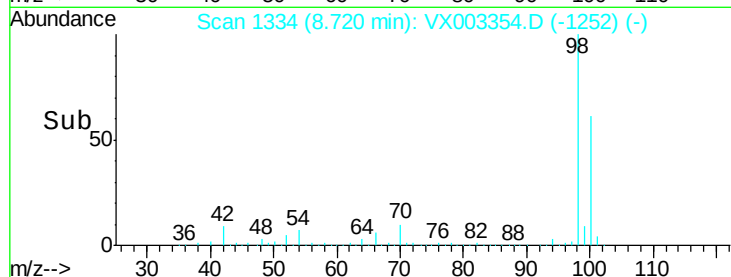
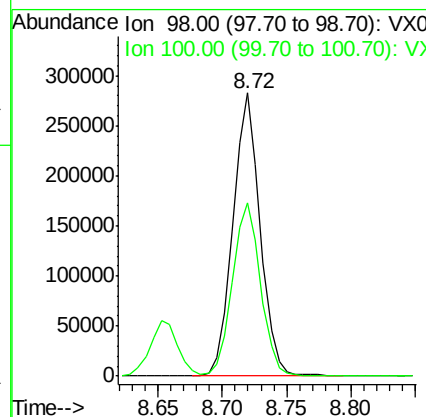
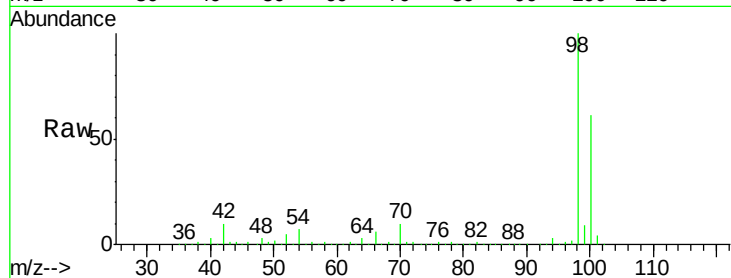
100 63.3 50.8 76.2

Manual Integrations

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#64

Chlorobenzene

Concen: 20.082 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003354.D

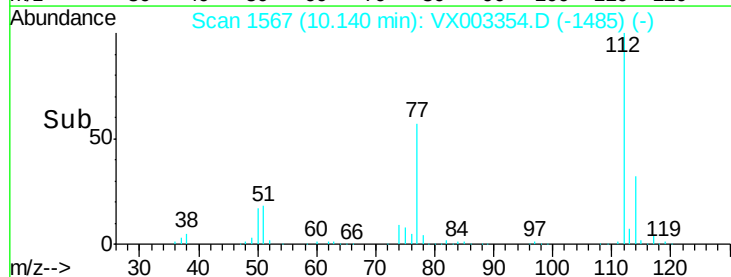
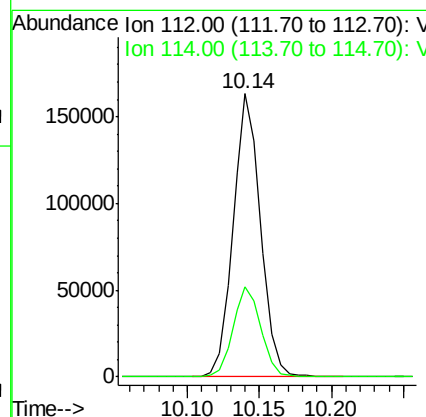
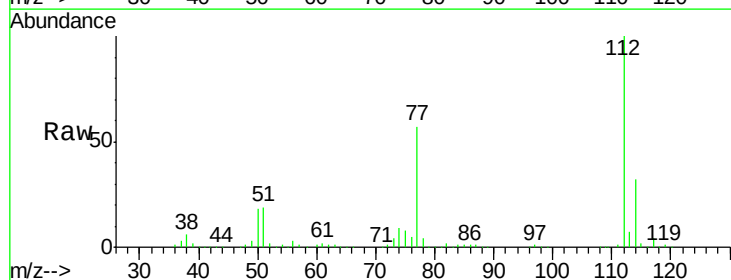
Acq: 12 Jul 2018 16:29

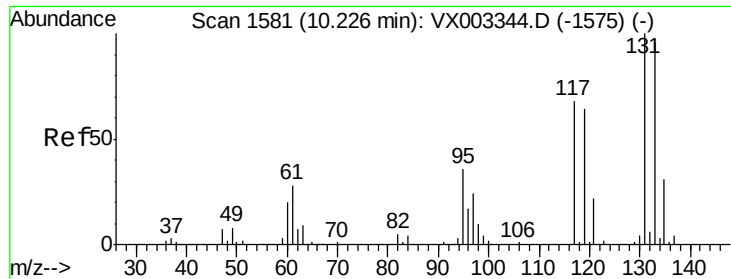
Tgt Ion: 112 Resp: 216585

Ion Ratio Lower Upper

112 100

114 31.7 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.788 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBSD01

Tot Ion:131 Resp: 75698

Ion Ratio Lower Upper

131 100

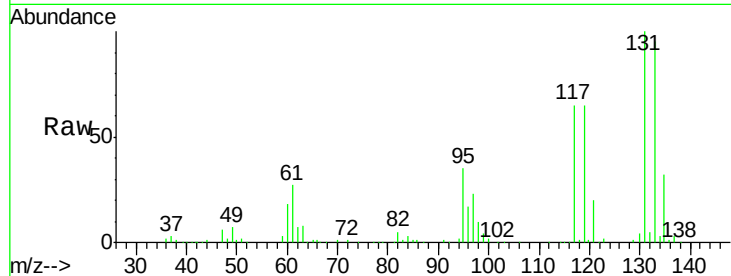
133 96.3 0.0 191.2

119 64.5 0.0 125.4

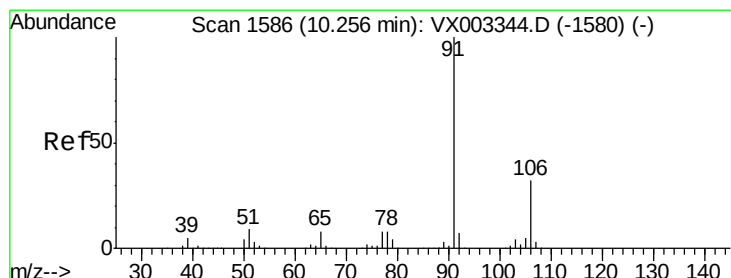
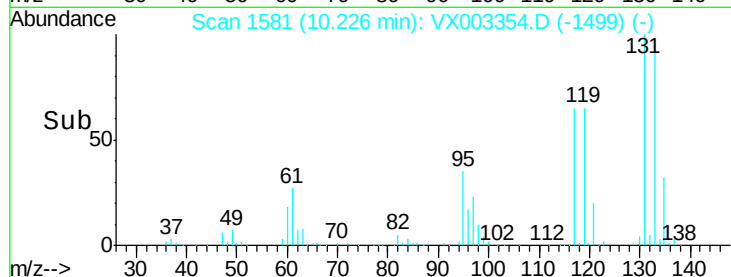
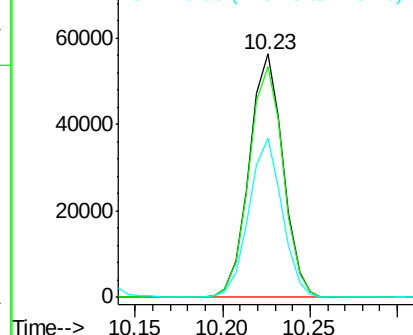
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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.059 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003354.D

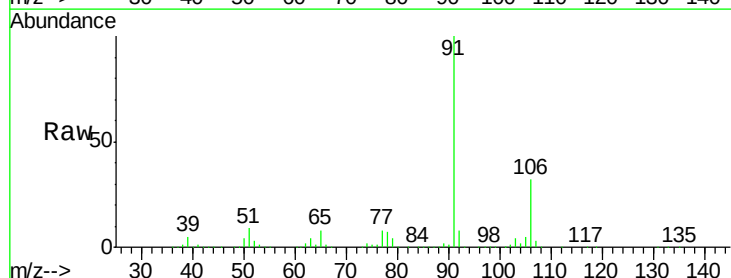
Acq: 12 Jul 2018 16:29

Tgt Ion: 91 Resp: 361007

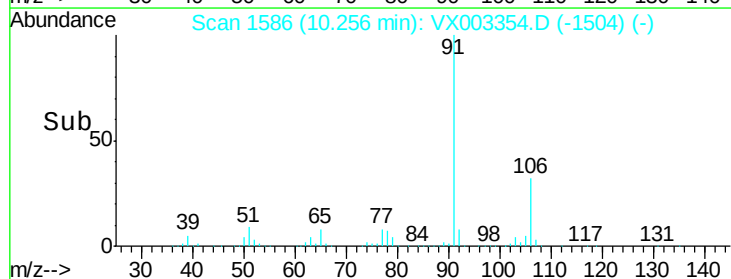
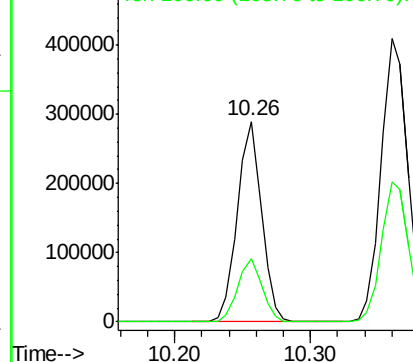
Ion Ratio Lower Upper

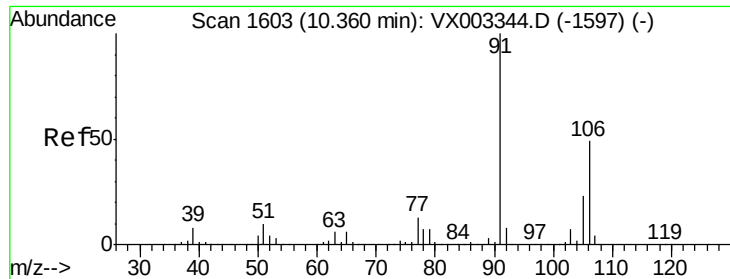
91 100

106 31.5 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





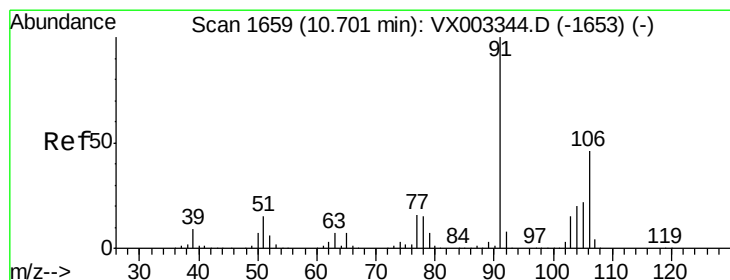
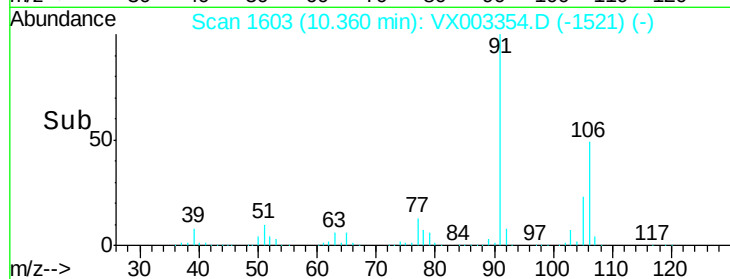
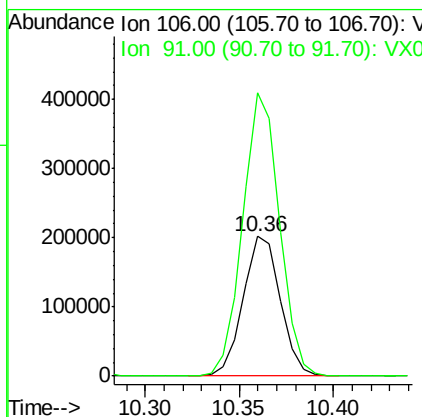
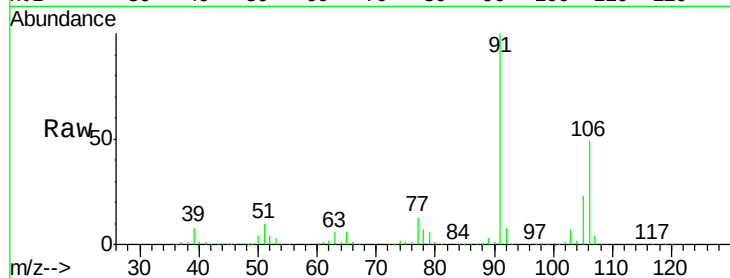
#67
m/p-Xylenes
Concen: 39.317 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

Tot Ion:106 Resp: 275337
Ion Ratio Lower Upper
106 100
91 201.0 164.1 246.1

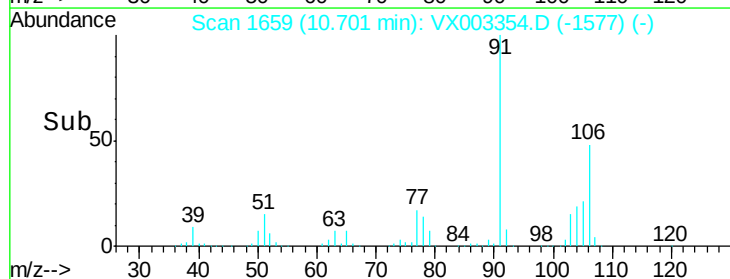
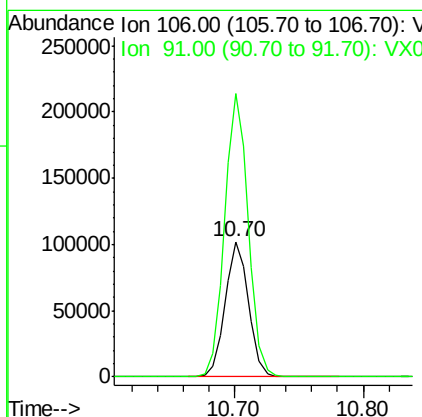
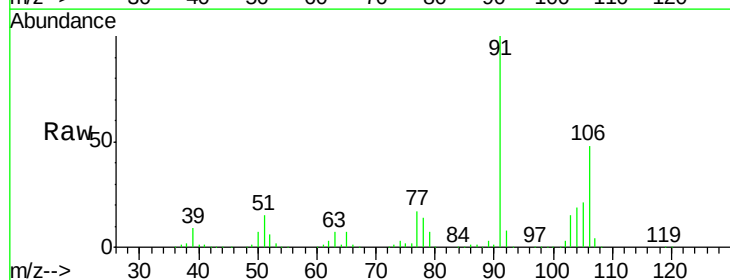
Manual Integrations
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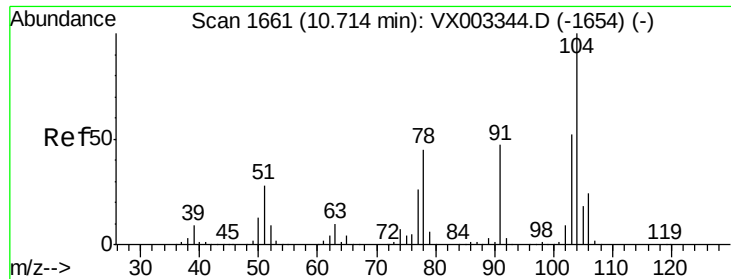
MMDadoda
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#68
o-Xylene
Concen: 19.314 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion:106 Resp: 130134
Ion Ratio Lower Upper
106 100
91 212.1 109.1 327.3





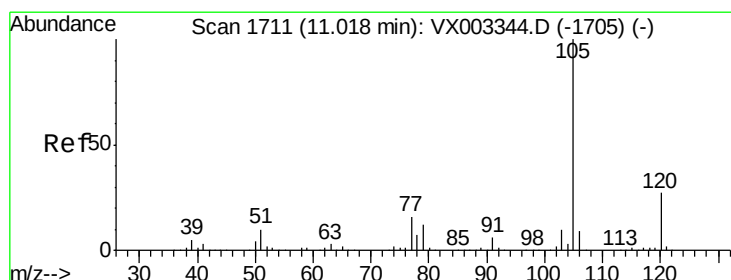
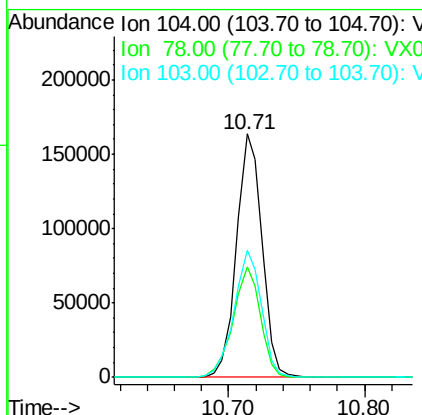
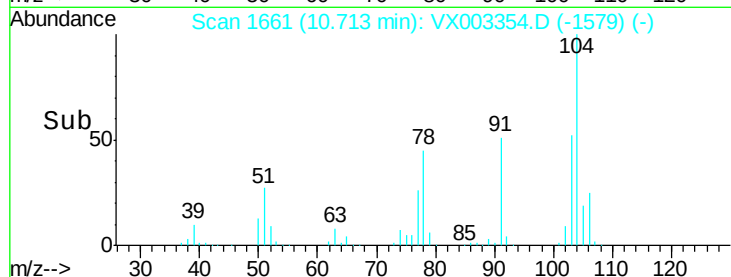
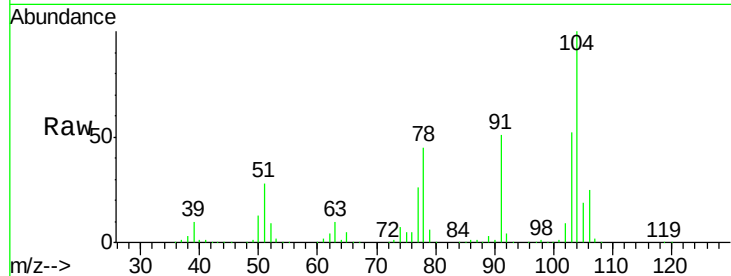
#69
Stvrene
Concen: 19.078 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	41.8	62.8
103	56.0	44.9	67.3

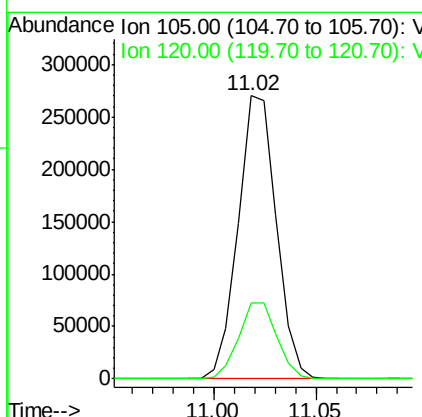
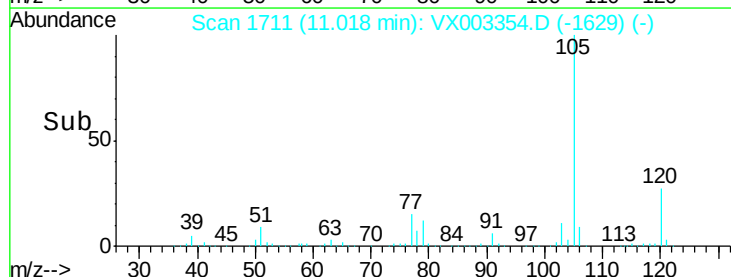
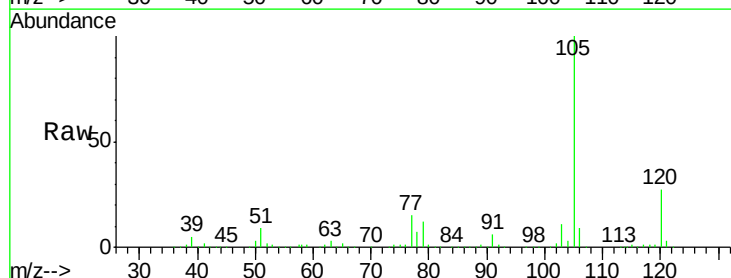
Manual Integrations
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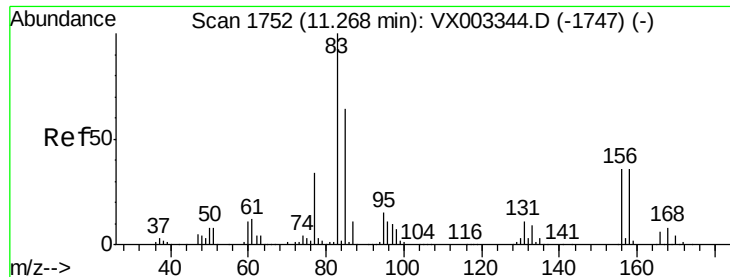
MMDadoda
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#70
Isopropylbenzene
Concen: 19.684 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.0	35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.613 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampled :

VX0712WBSD01

Tot Ion: 83 Resp: 109898

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

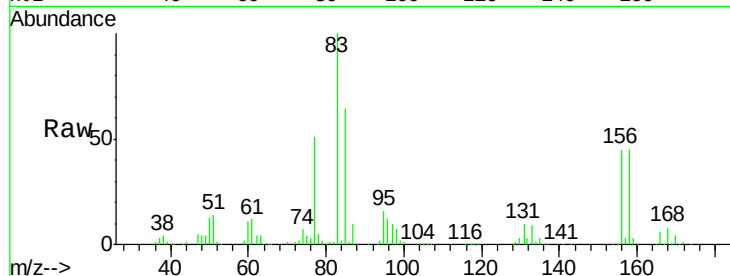
85 63.9 32.4 97.2

Manual Integrations

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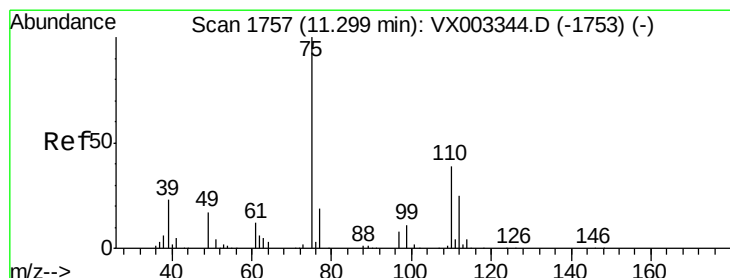
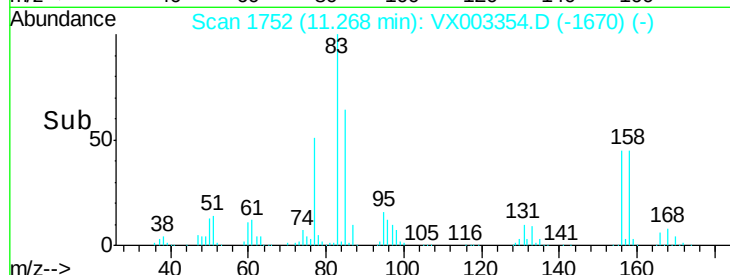
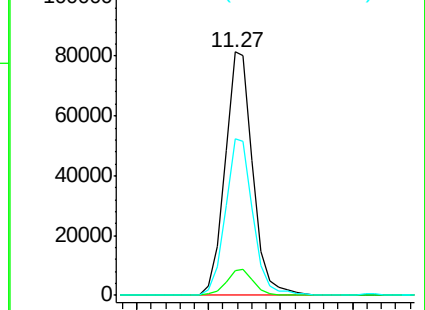
7/13/2018 11:35:56 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 14.675 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003354.D

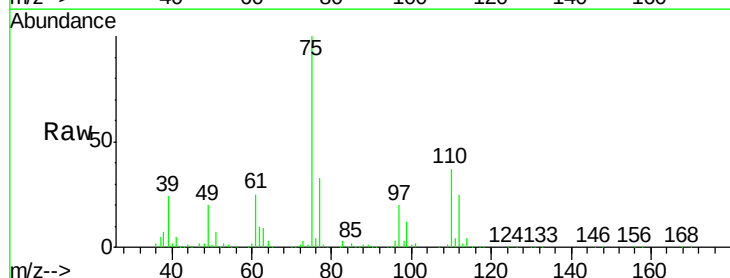
Acq: 12 Jul 2018 16:29

Tgt Ion: 75 Resp: 96179

Ion Ratio Lower Upper

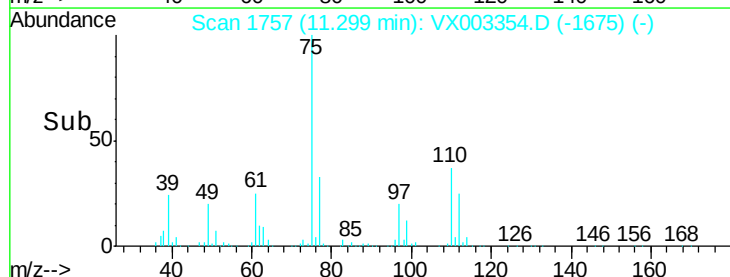
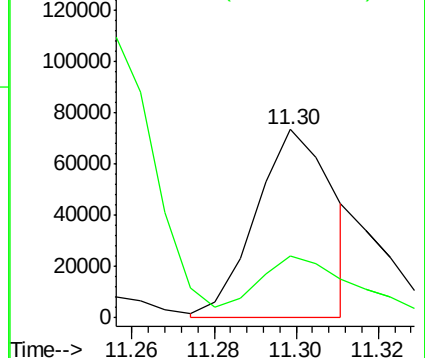
75 100

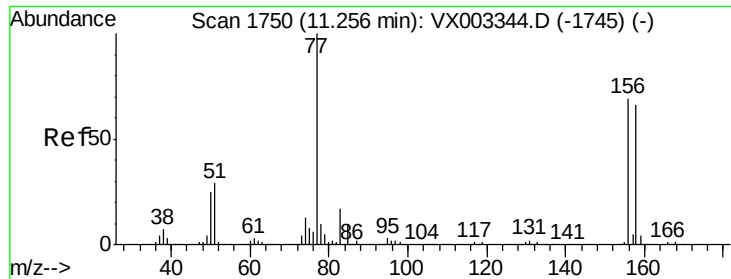
77 41.9 0.0 71.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 19.122 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

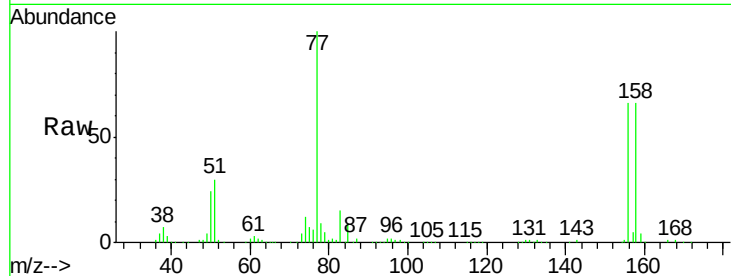
ClientSampleId :

VX0712WBSD01

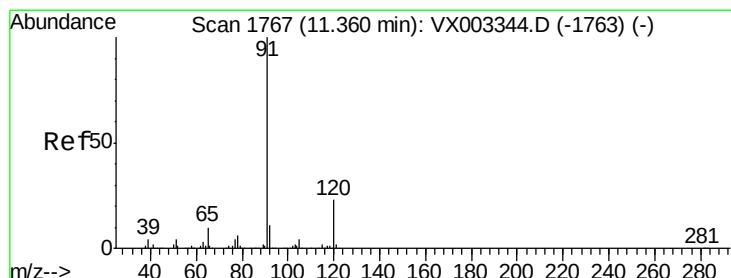
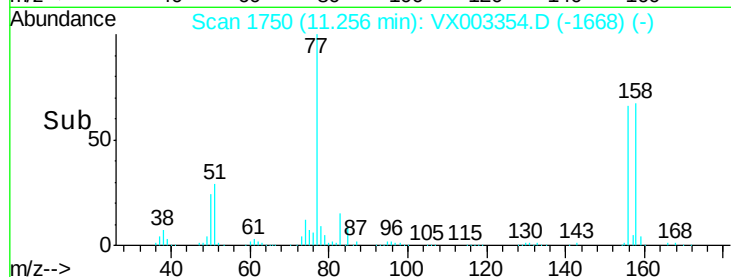
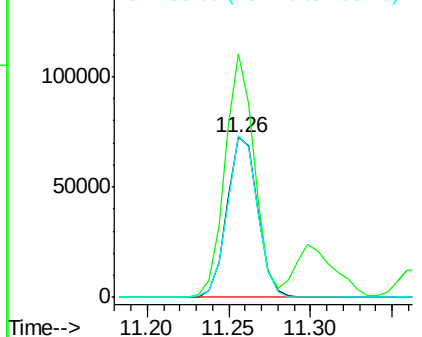
Tot Ion:	156	Resp:	94966
Ion	Ratio	Lower	Upper
156	100		
77	144.3	0.0	301.0
158	98.7	0.0	196.2

Manual Integrations
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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.158 ug/l

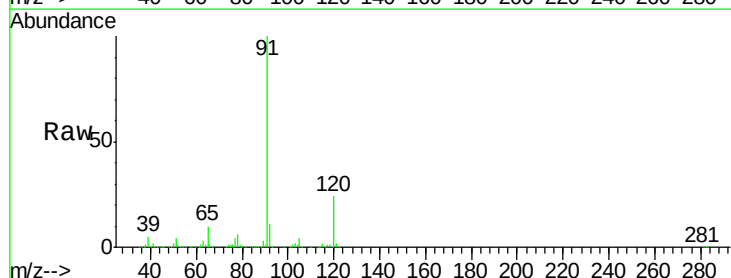
RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

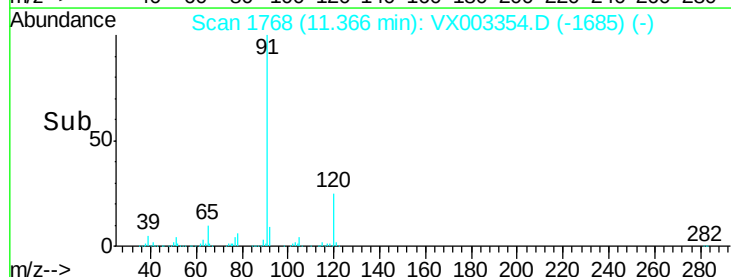
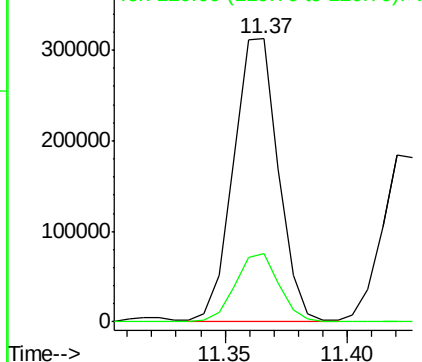
Lab File: VX003354.D

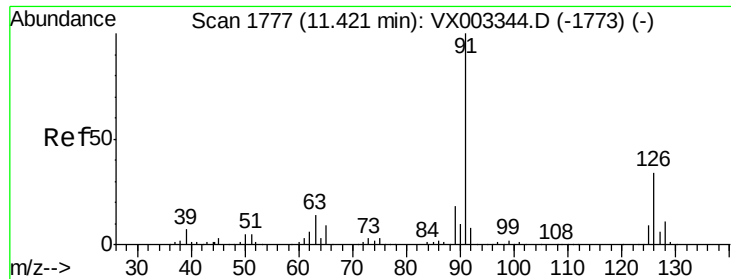
Acq: 12 Jul 2018 16:29

Tgt Ion:	91	Resp:	398651
Ion	Ratio	Lower	Upper
91	100		
120	23.5	0.0	46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.339 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampleId :

VX0712WBSD01

Tot Ion: 91 Resp: 240717

Ion Ratio Lower Upper

91 100

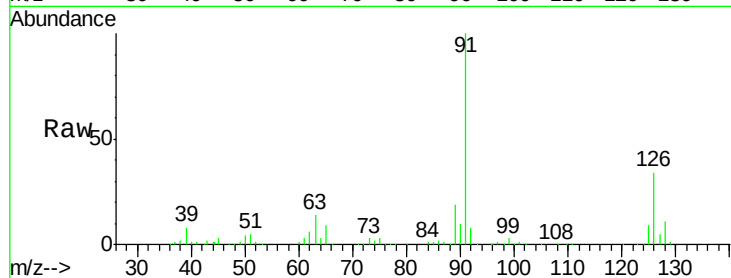
126 35.0 0.0 69.4

Manual Integrations

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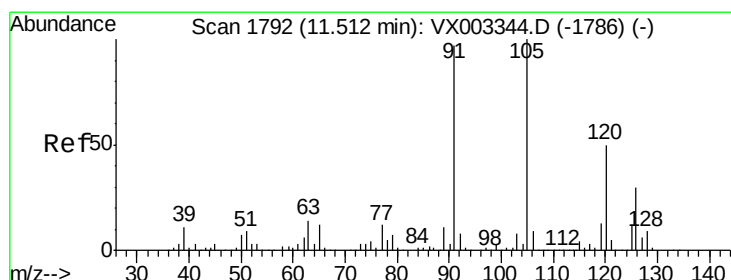
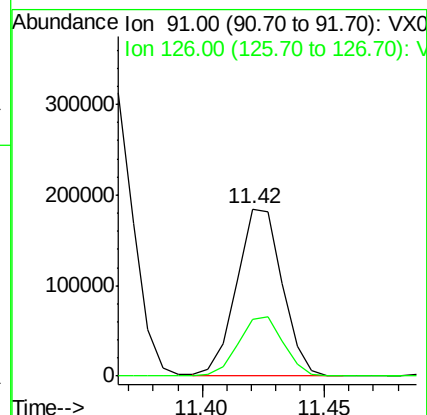
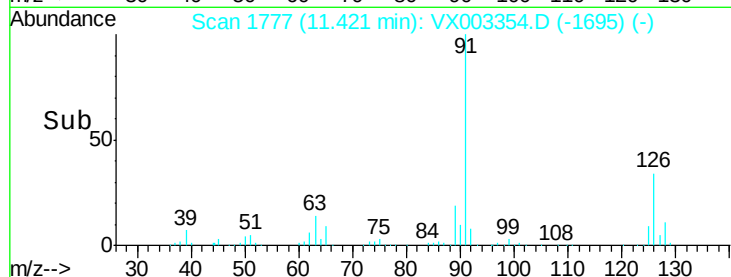
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.165 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003354.D

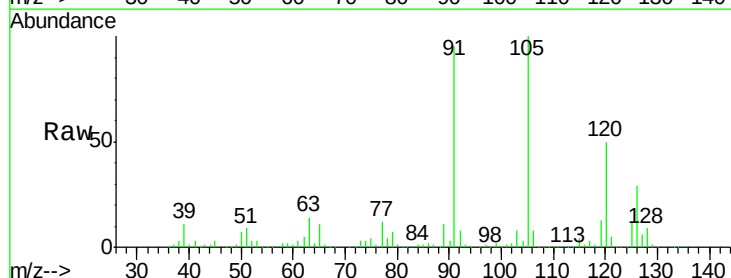
Acq: 12 Jul 2018 16:29

Tgt Ion: 105 Resp: 289749

Ion Ratio Lower Upper

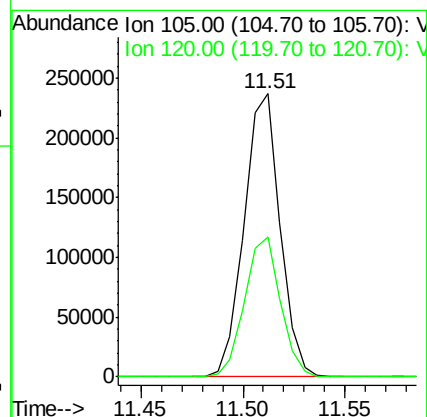
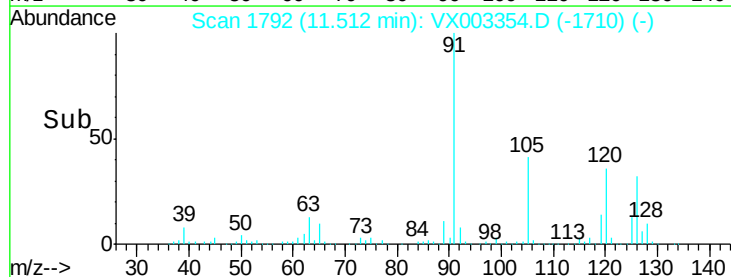
105 100

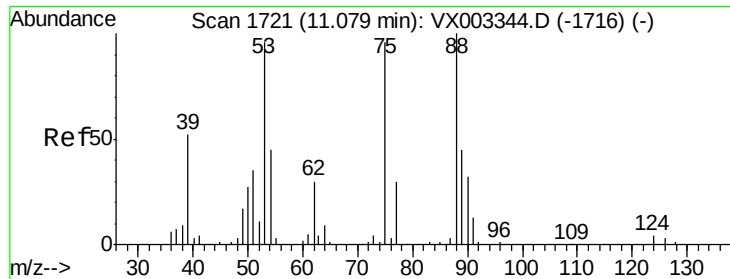
120 49.0 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





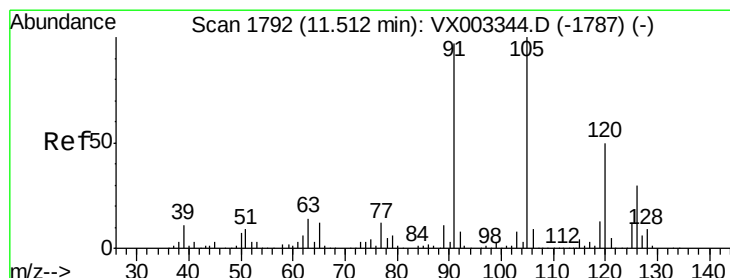
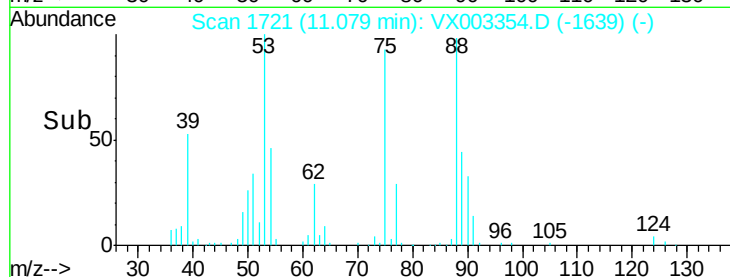
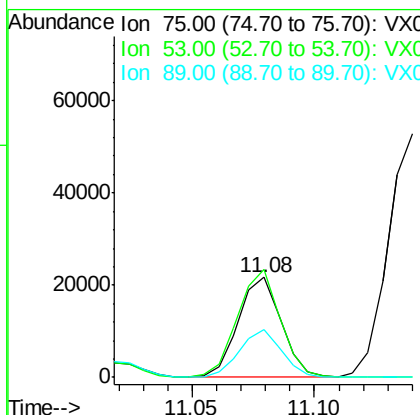
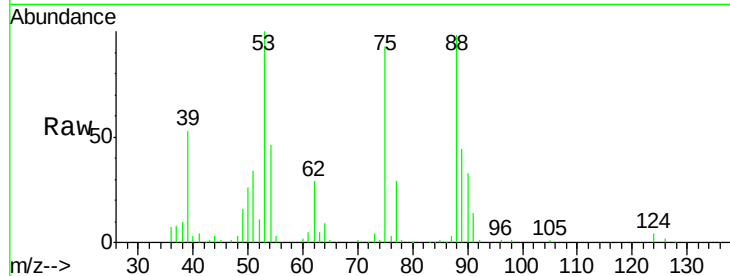
#77
t-1,4-Dichloro-2-butene
Concen: 17.130 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.4	48.3	144.9
89	47.6	21.8	65.4

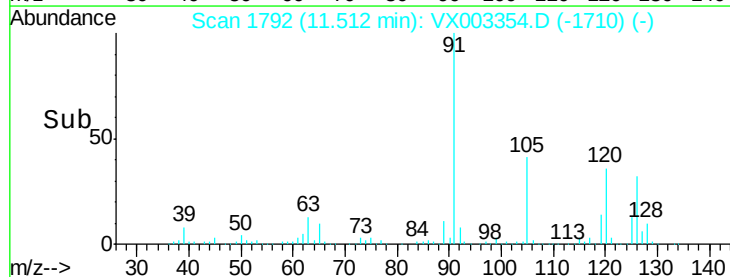
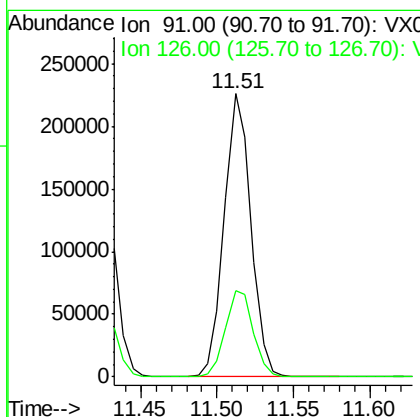
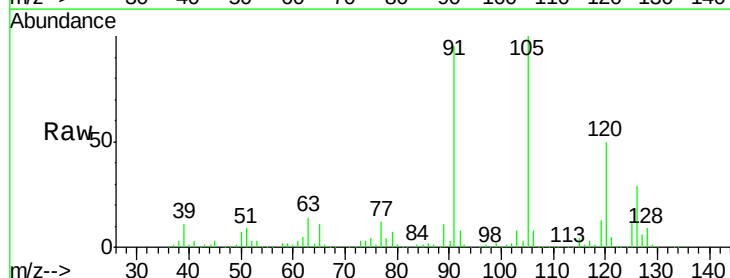
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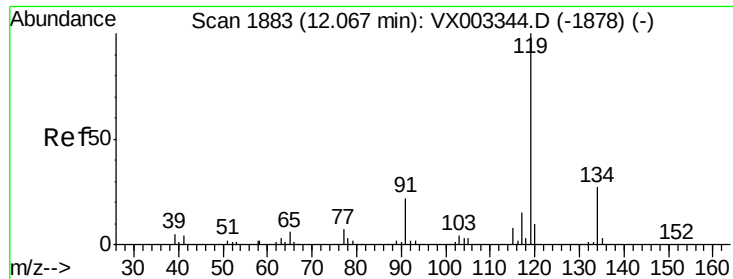
MMDadoda
7/13/2018 11:35:56 AM



#78
4-Chlorotoluene
Concen: 18.854 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	61.0





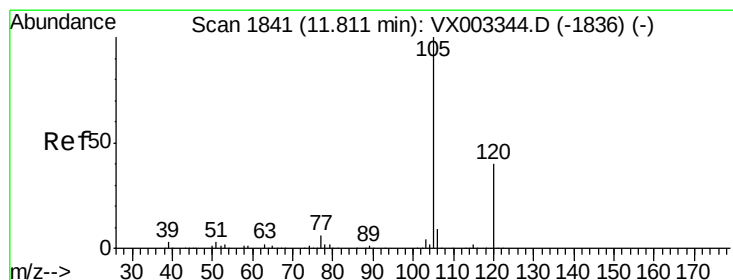
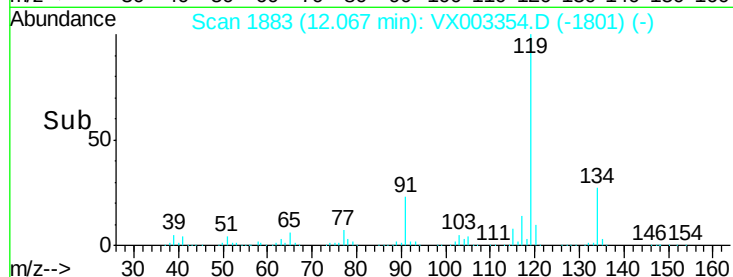
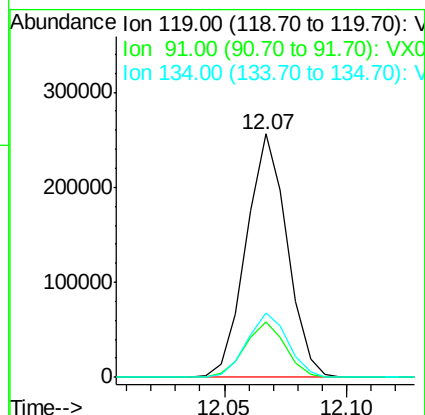
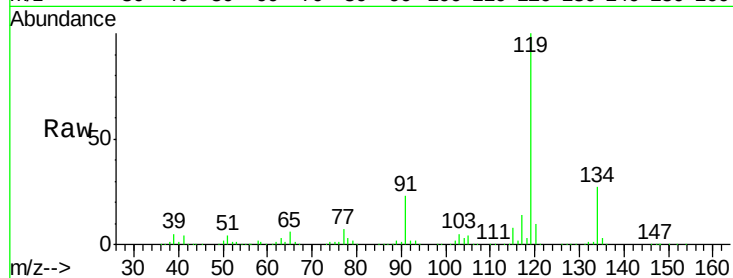
#79
tert-butylbenzene
Concen: 18.479 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampled :
VX0712WBSD01

Tot Ion	Ratio	Resp Lower	Upper
119	100		
91	22.8	0.0	48.0
134	26.7	0.0	52.6

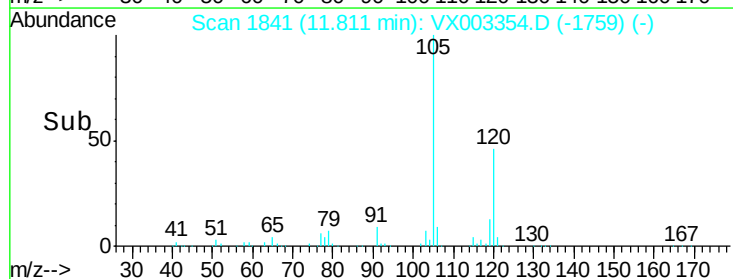
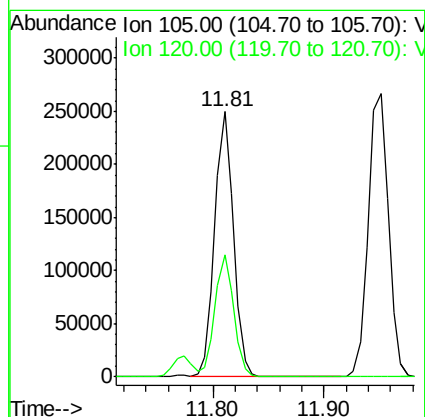
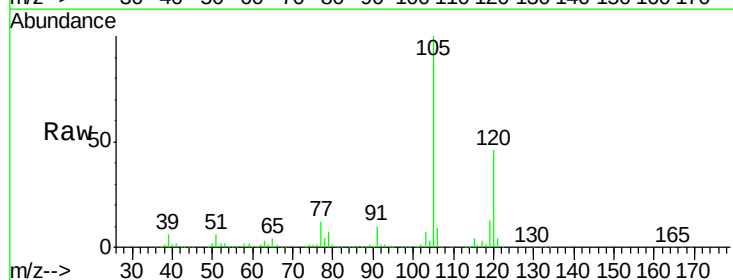
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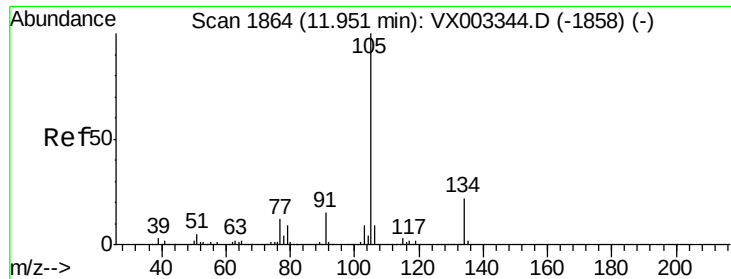
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#80
1,2,4-Trimethylbenzene
Concen: 19.059 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
120	46.0	0.0	89.2





#81

sec-Butylbenzene

Concen: 18.871 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

Instrument :

MSVOA_X

ClientSampled :

VX0712WBSD01

Tot Ion:105 Resp: 337529

Ion Ratio Lower Upper

105 100

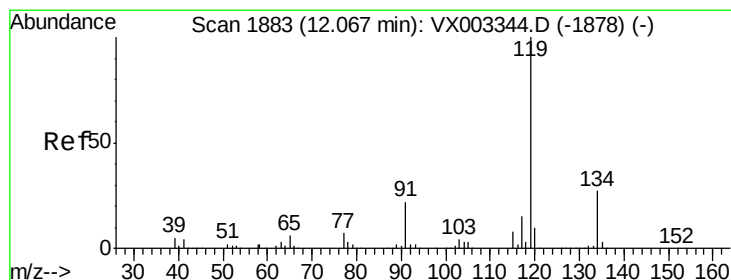
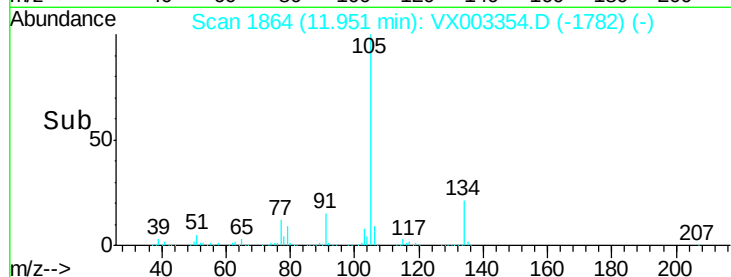
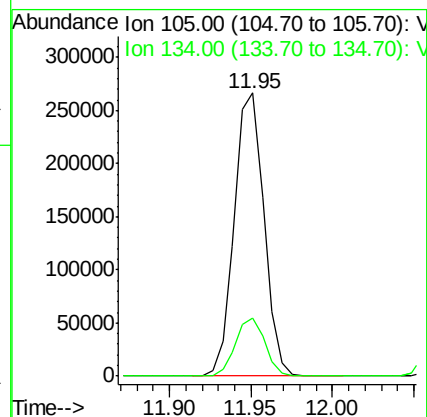
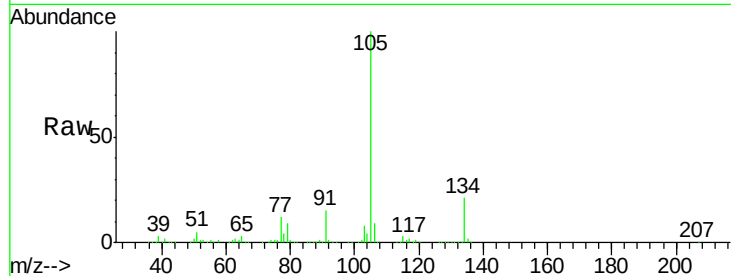
134 20.4 0.0 41.6

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#82

p-Isopropyltoluene

Concen: 18.479 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003354.D

Acq: 12 Jul 2018 16:29

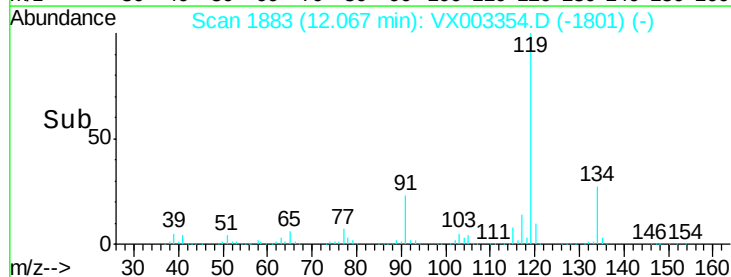
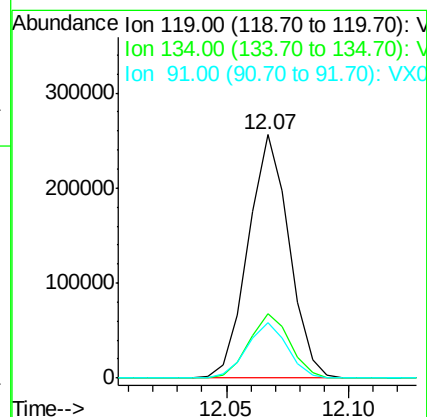
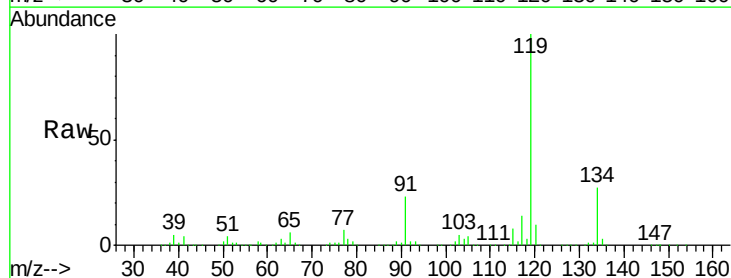
Tgt Ion:119 Resp: 295880

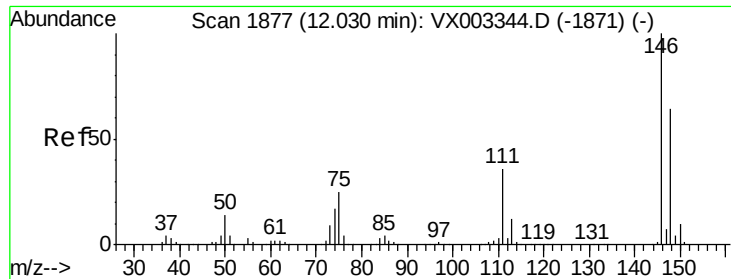
Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

91 22.8 0.0 48.0





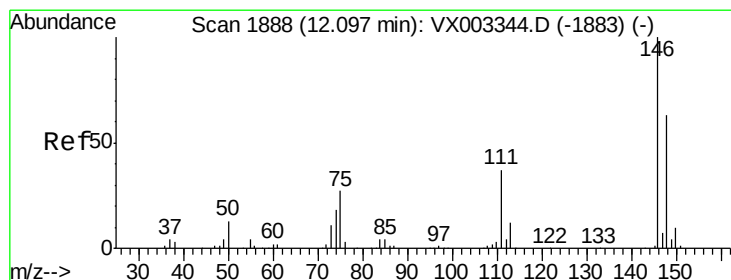
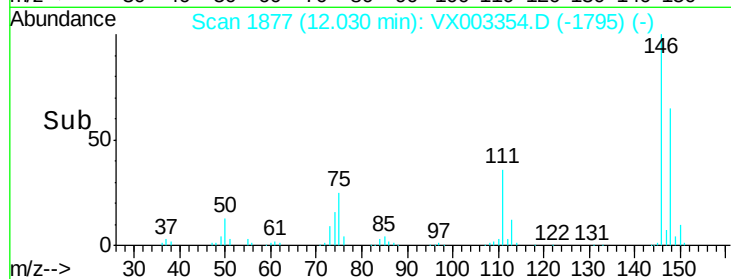
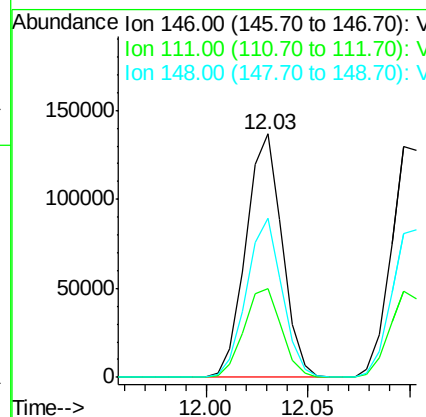
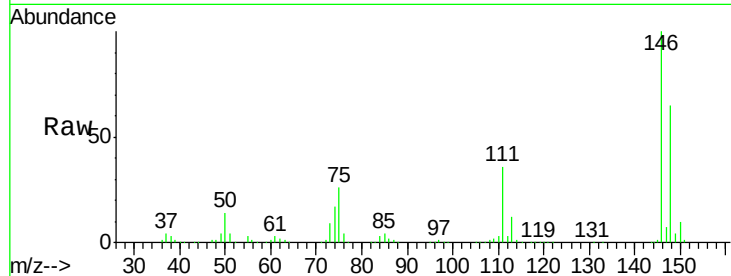
#83
 1,3-Dichlorobenzene
 Concen: 18.369 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	64.2	31.9	95.7

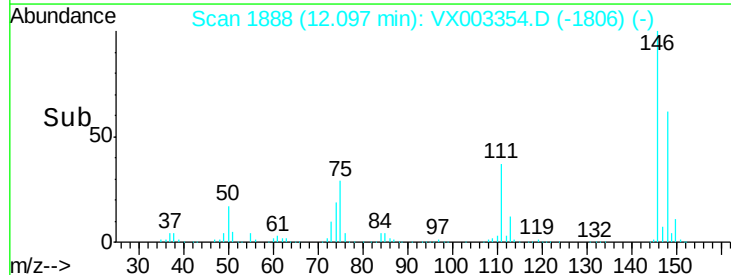
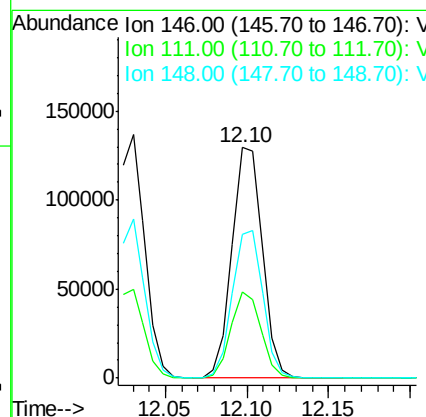
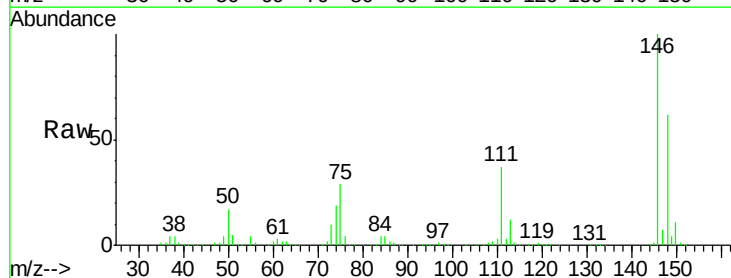
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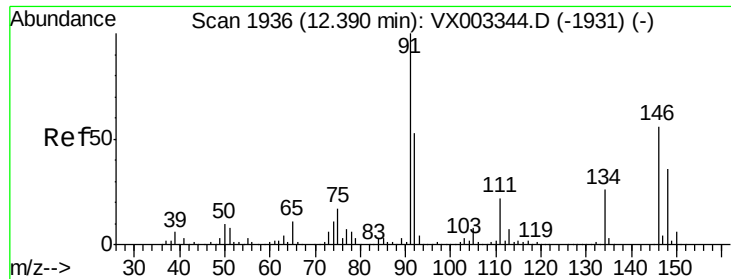
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#84
 1,4-Dichlorobenzene
 Concen: 18.151 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.5	55.5
148	64.1	32.0	96.0





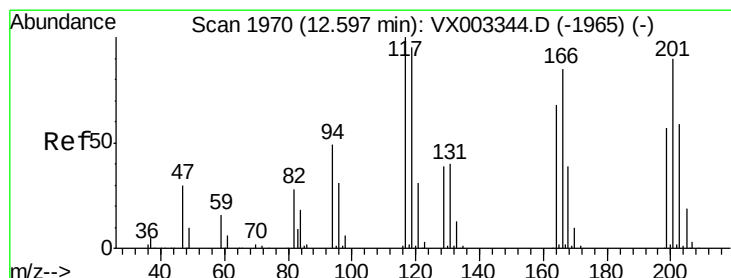
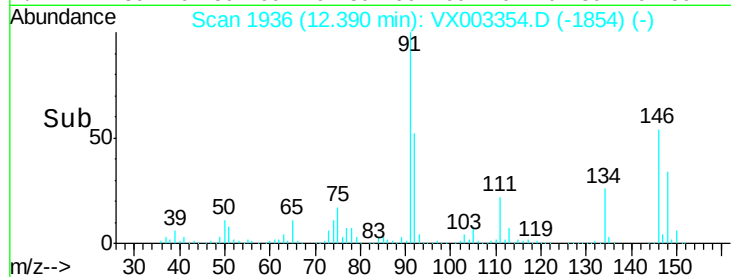
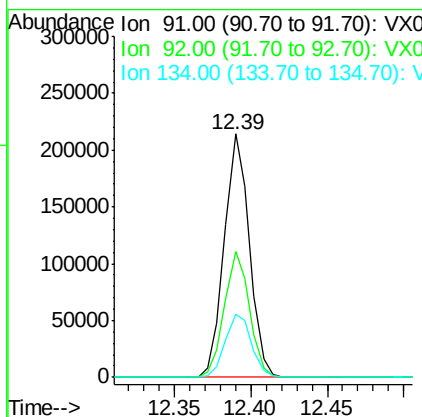
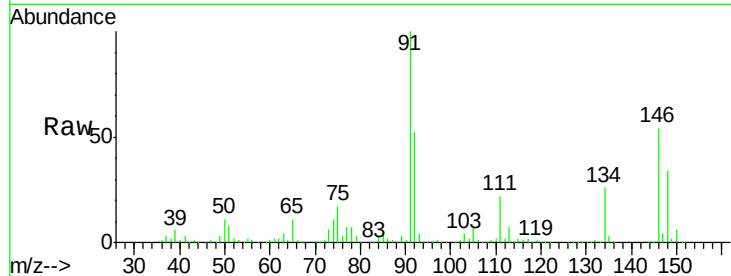
#85
n-Butylbenzene
Concen: 17.388 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampleId :
VX0712WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		244436		
92	51.7	0.0	105.2		
134	27.0	0.0	53.2		

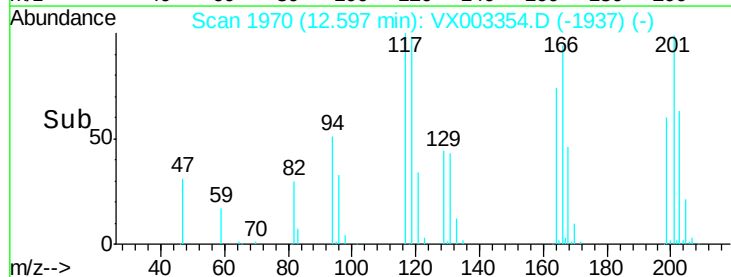
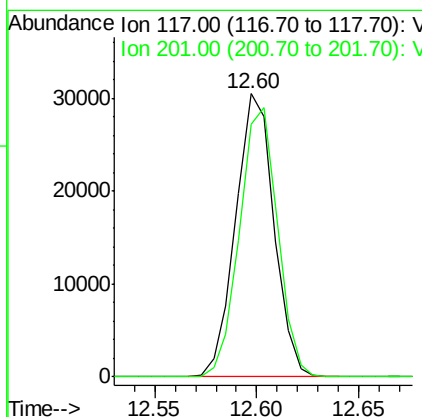
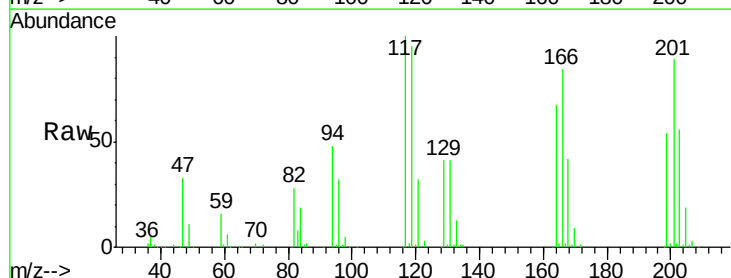
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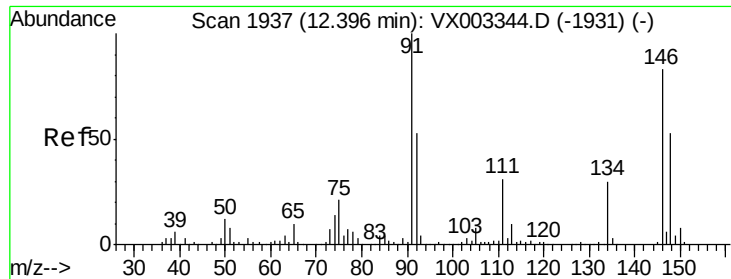
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#86
Hexachloroethane
Concen: 16.870 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		39761		
201	94.4	47.6	142.8		





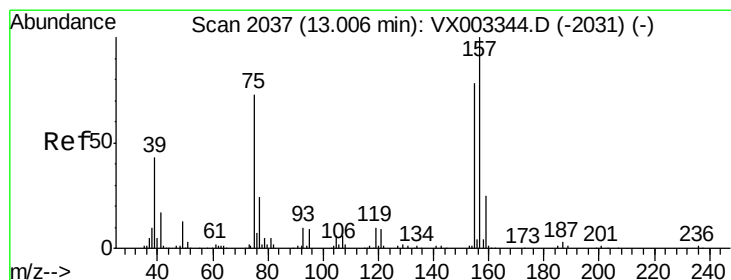
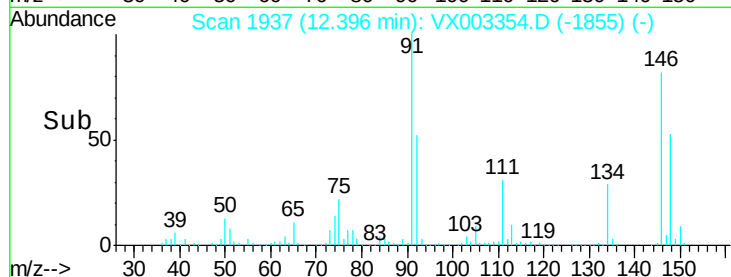
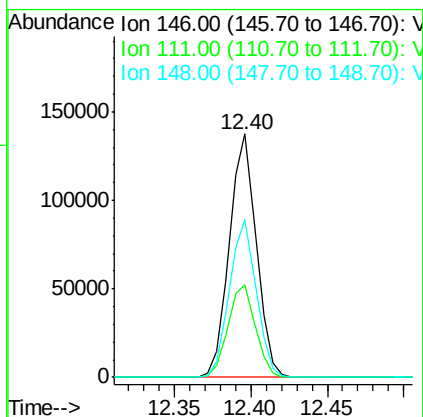
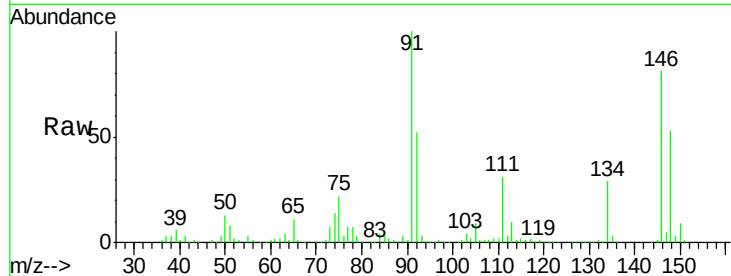
#87
 1,2-Dichlorobenzene
 Concen: 18.275 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	59.9
148	64.4	32.8	98.3

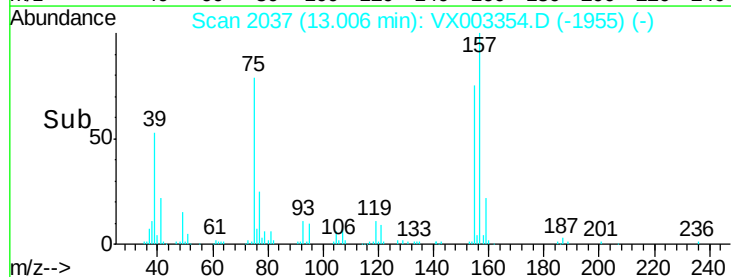
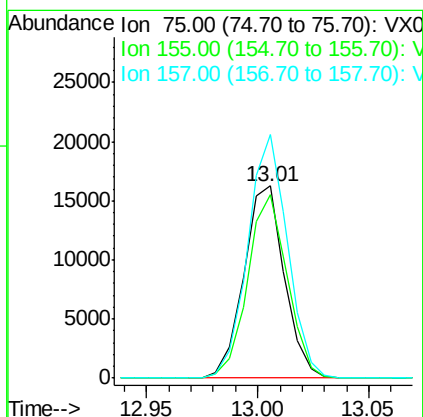
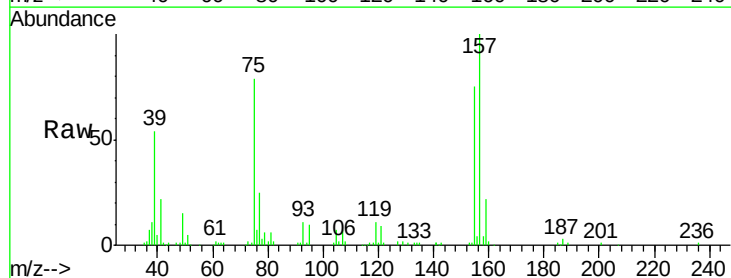
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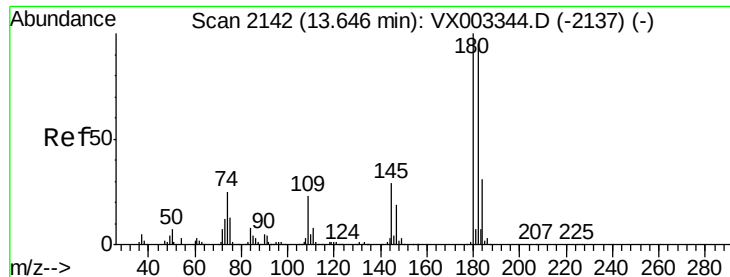
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.746 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	73.1	109.7
157	123.6	93.1	139.7





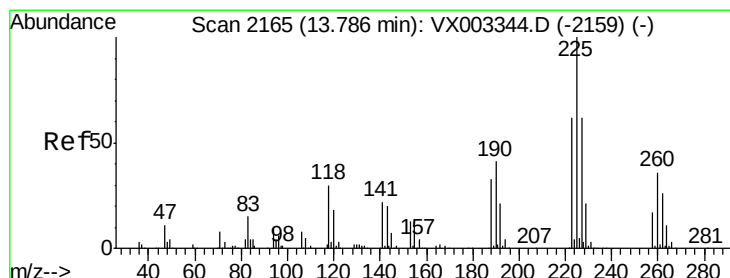
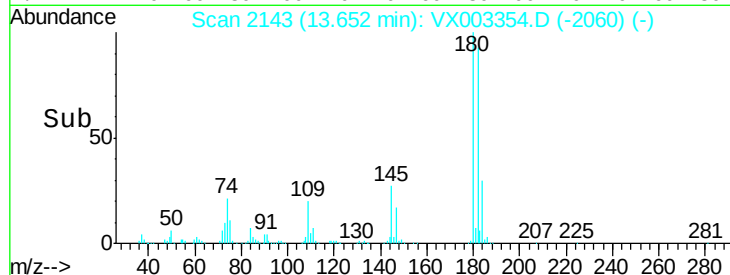
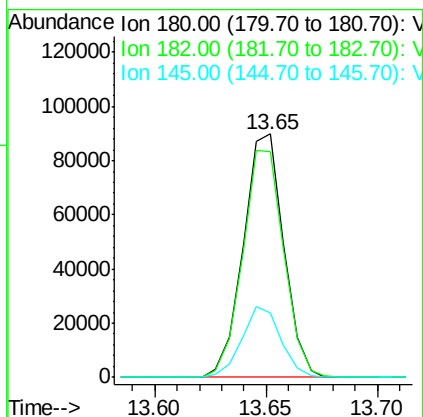
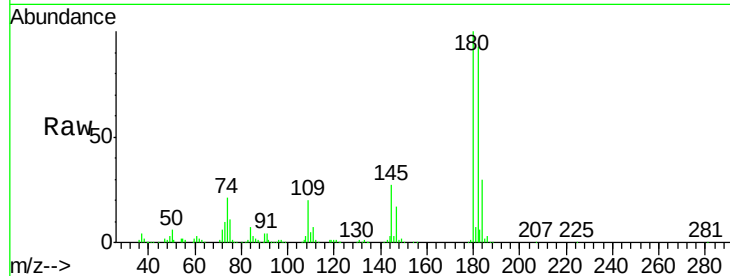
#89
 1,2,4-Trichlorobenzene
 Concen: 17.262 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	28.1	22.9	34.3

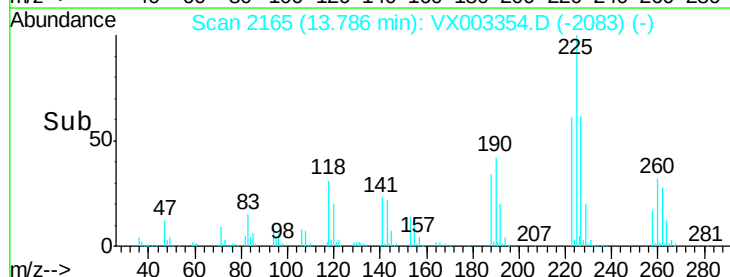
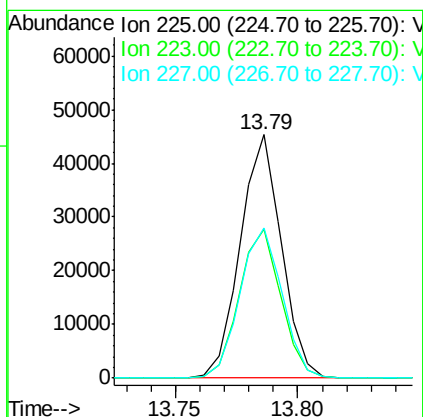
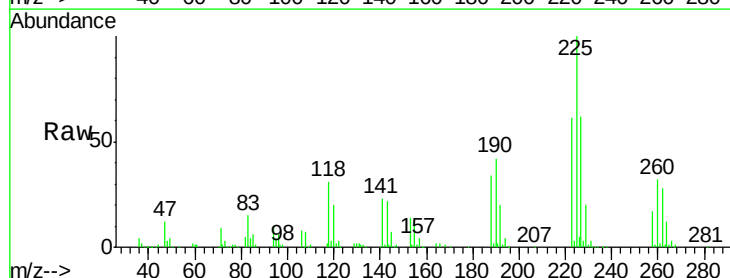
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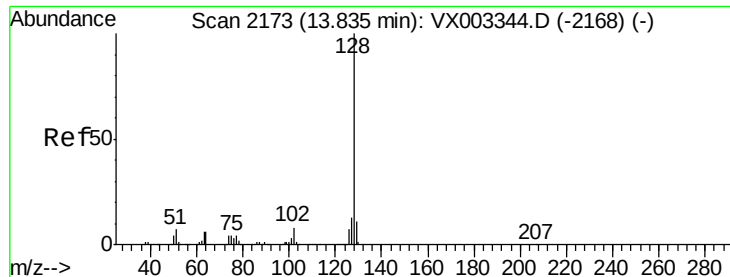
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#90
 Hexachlorobutadiene
 Concen: 16.392 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003354.D
 Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	122.4
227	63.4	0.0	128.0





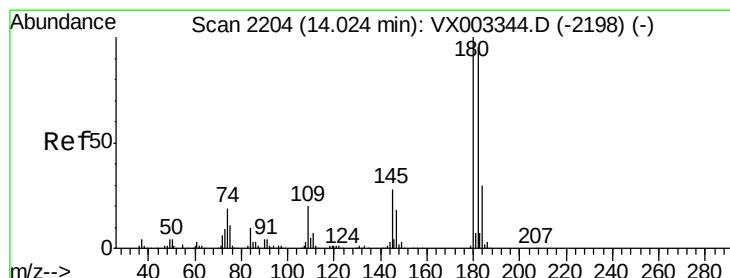
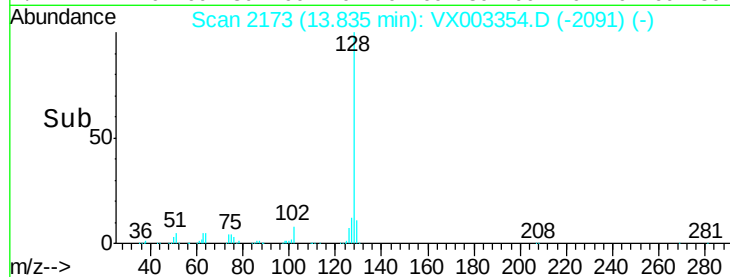
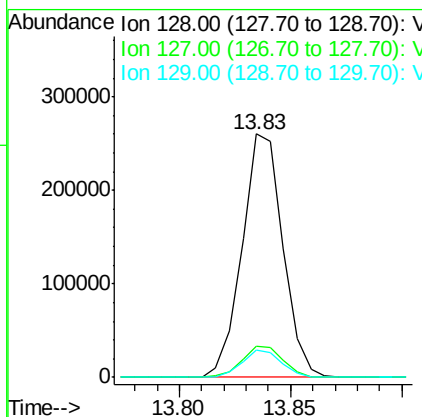
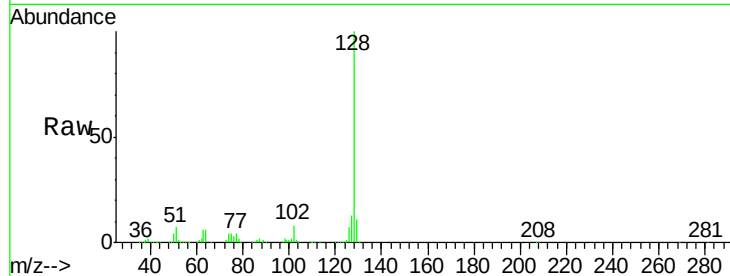
#91
Naphthalene
Concen: 17.464 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Instrument :
MSVOA_X
ClientSampled :
VX0712WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.549 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003354.D
Acq: 12 Jul 2018 16:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	191.0
145	29.5	0.0	60.6

