

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071218\
 Data File : VX003345.D
 Acq On : 12 Jul 2018 12:04
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:35:49 AM

Quant Time: Jul 12 13:23:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:04:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	57619	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	316742	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	292192	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	118070	26.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	89.43%
60) 4-Bromofluorobenzene	11.14	95	137733	28.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.13%
63) Toluene-d8	8.72	98	377886	29.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	226838	82.483	ug/l 99
3) Chloromethane	1.32	50	219072	73.378	ug/l 98
4) Vinyl Chloride	1.40	62	233998	70.343	ug/l 100
5) Bromomethane	1.64	94	93812	48.272	ug/l 99
6) Chloroethane	1.72	64	137078	61.272	ug/l 96
7) Trichlorofluoromethane	1.93	101	313257	52.979	ug/l 99
8) Diethyl Ether	2.19	74	129983	61.654	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	186948	55.241	ug/l 97
10) 1,1-Dichloroethene	2.37	96	174368	58.536	ug/l 93
11) Methyl Iodide	2.51	142	206619	60.230	ug/l 96
12) Methyl Acetate	2.78	43	303183	62.718	ug/l 96
13) Acrolein	2.29	56	103551	301.284	ug/l 98
14) Acrylonitrile	3.15	53	551177	303.157	ug/l 99
15) Acetone	2.45	58	139295	275.639	ug/l 79
16) Carbon Disulfide	2.57	76	494602	66.314	ug/l 100
17) Allyl chloride	2.73	41	338433	57.094	ug/l 93
18) Methylene Chloride	2.86	84	202589	59.419	ug/l 91
19) trans-1,2-Dichloroethene	3.17	96	187278	58.632	ug/l 97
20) Diisopropyl ether	3.88	45	574357	52.000	ug/l 98
21) 1,1-Dichloroethane	3.70	63	356772	60.070	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	198505	57.816	ug/l # 78
23) tert-Butyl Alcohol	3.08	59	229654m	278.214	ug/l
24) Methyl tert-Butyl Ether	3.21	73	588358	52.901	ug/l 91
25) Chloroform	5.22	83	313791	52.647	ug/l 99
26) Cyclohexane	5.57	56	281658	55.820	ug/l # 95
29) 1,1-Dichloropropene	5.80	75	238355	55.724	ug/l 98
30) 2-Butanone	4.71	43	660695	269.936	ug/l 95
31) 2,2-Dichloropropane	4.59	77	254897	55.758	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	270818	52.411	ug/l 100
33) Carbon Tetrachloride	5.79	117	245715	52.906	ug/l 93
34) Benzene	6.15	78	716281	56.544	ug/l 99
35) Methacrylonitrile	5.07	41	143429	53.823	ug/l 93
36) 1,2-Dichloroethane	6.20	62	248245	49.915	ug/l 96
37) Trichloroethene	7.21	130	196657	53.005	ug/l 94
38) Methylcyclohexane	7.46	83	275043	52.852	ug/l 96
39) 1,2-Dichloropropane	7.52	63	182773	55.314	ug/l 96
40) Dibromomethane	7.67	93	121063	52.734	ug/l 99

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

41) Bromodichloromethane	7.90	83	227353	52.720	ug/l	98
42) Vinyl Acetate	3.83	43	2437070	262.539	ug/l	97
43) Ethyl Acetate	4.87	43	252570	53.953	ug/l	96
44) Isopropyl Acetate	6.47	43	394955	50.354	ug/l	95
45) 1,4-Dioxane	7.76	88	86427	1124.775	ug/l #	85
46) Methyl methacrylate	7.78	41	209632	52.306	ug/l	90
47) n-amyl Acetate	10.90	43	347424	46.941	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	282567	55.813	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	253695	53.652	ug/l	93
50) 1,1,2-Trichloroethane	9.22	97	182652	53.939	ug/l	97
51) Ethyl methacrylate	9.18	69	271226	53.060	ug/l	86
52) 1,3-Dichloropropane	9.37	76	300880	54.399	ug/l	99
53) Dibromochloromethane	9.59	129	184720	51.384	ug/l	100
54) 1,2-Dibromoethane	9.68	107	189217	53.023	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	689647	284.059	ug/l	99
56) Bromoform	10.86	173	142432	49.631	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	1286010	259.227	ug/l	93
59) 2-Hexanone	9.50	43	988114	260.552	ug/l	93
61) Tetrachloroethene	9.34	164	213461	53.231	ug/l	99
62) Toluene	8.79	91	780147	55.391	ug/l	99
64) Chlorobenzene	10.14	112	516892	55.237	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	187919	54.787	ug/l	99
66) Ethyl Benzene	10.26	91	884166	55.741	ug/l	100
67) m/p-Xylenes	10.36	106	687749	111.572	ug/l	97
68) o-Xylene	10.70	106	334303	55.666	ug/l	95
69) Styrene	10.71	104	551681	55.062	ug/l	97
70) Isopropylbenzene	11.02	105	865518	52.265	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	266661	53.866	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	314131	73.200	ug/l	93
73) Bromobenzene	11.26	156	231634	50.297	ug/l	97
74) n-propylbenzene	11.36	91	993801	51.697	ug/l	99
75) 2-Chlorotoluene	11.42	91	588908	52.640	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	722136	51.357	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	77833	56.392	ug/l	97
78) 4-Chlorotoluene	11.51	91	686931	51.831	ug/l	98
79) tert-butylbenzene	12.07	119	762107	49.142	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	735668	51.237	ug/l	97
81) sec-Butylbenzene	11.95	105	847183	49.253	ug/l	100
82) p-Isopropyltoluene	12.07	119	762107	49.142	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	424979	50.147	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	423422	49.467	ug/l	99
85) n-Butylbenzene	12.39	91	662072	48.163	ug/l	100
86) Hexachloroethane	12.60	117	111128	47.276	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	425465	49.713	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	56406	51.006	ug/l	93
89) 1,2,4-Trichlorobenzene	13.65	180	310791	48.110	ug/l	99
90) Hexachlorobutadiene	13.79	225	145402	43.234	ug/l	100
91) Naphthalene	13.83	128	947397	55.328	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	316213	49.199	ug/l	99

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ClientSampleId :
VSTDICC050

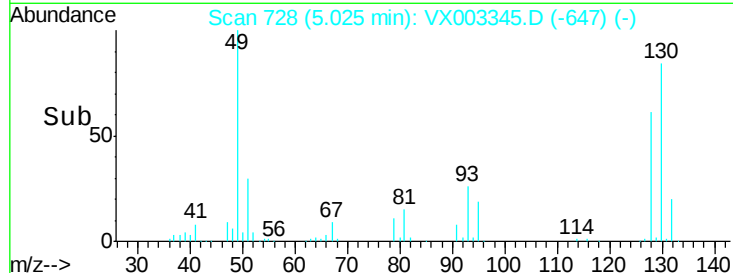
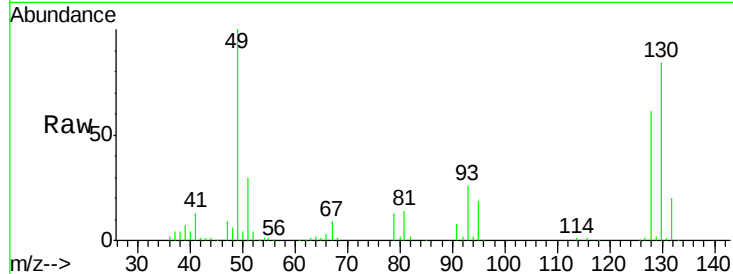
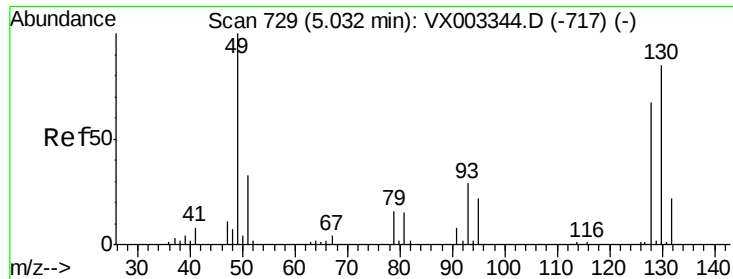
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



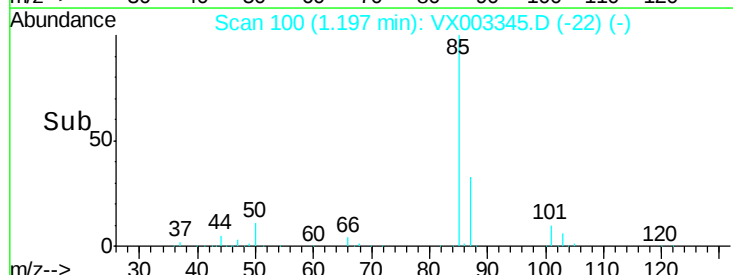
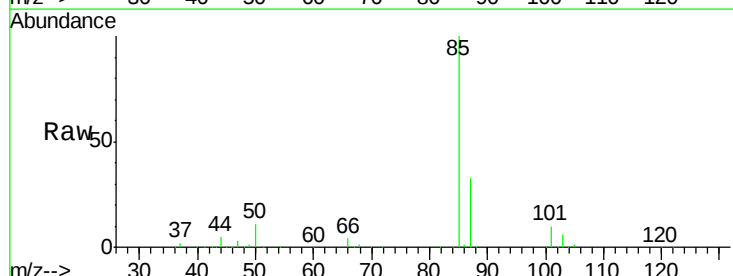
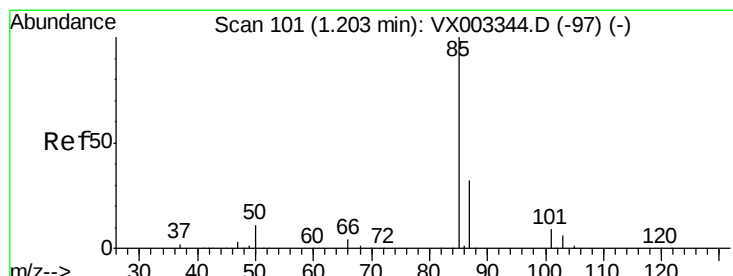
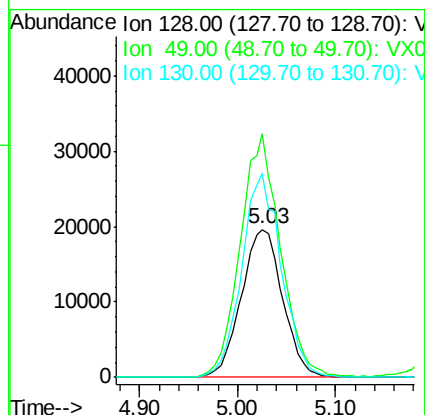
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tot Ion	Ratio	Lower	Upper
128	100		
49	159.9	0.0	423.0
130	132.0	0.0	324.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

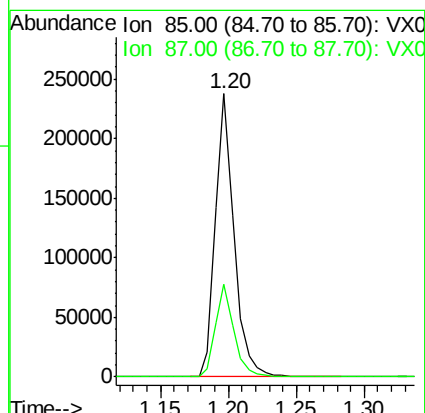
Manual Integrations
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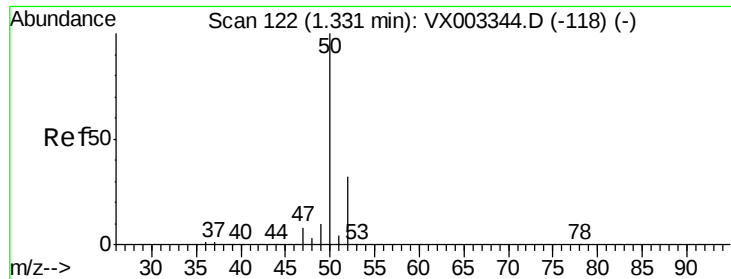
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#2
Dichlorodifluoromethane
Concen: 82.483 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.01 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.2	48.5





#3

Chloromethane

Concen: 73.378 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 219072

Ion Ratio Lower Upper

50 100

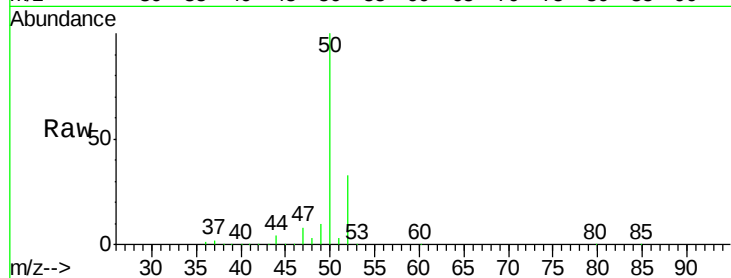
52 33.2 25.6 38.4

Manual Integrations

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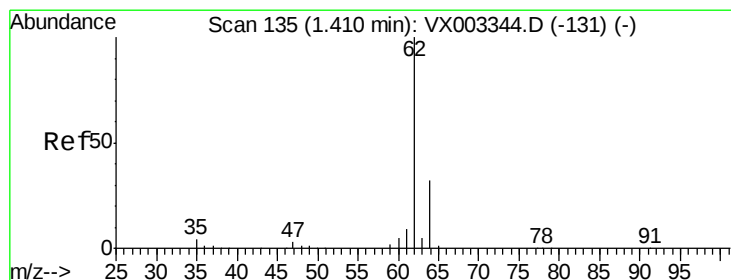
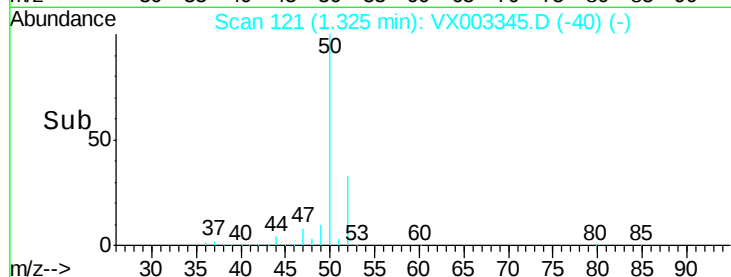
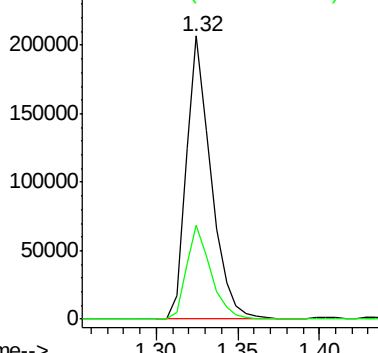
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 70.343 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003345.D

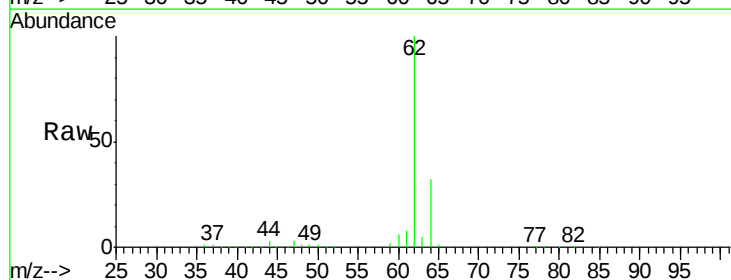
Acq: 12 Jul 2018 12:04

Tgt Ion: 62 Resp: 233998

Ion Ratio Lower Upper

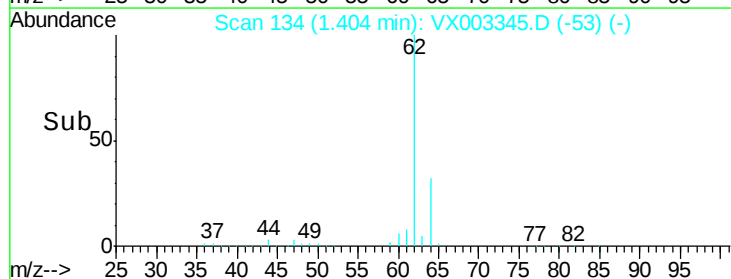
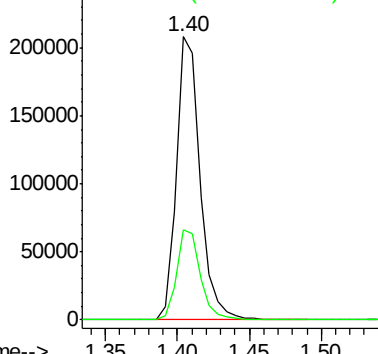
62 100

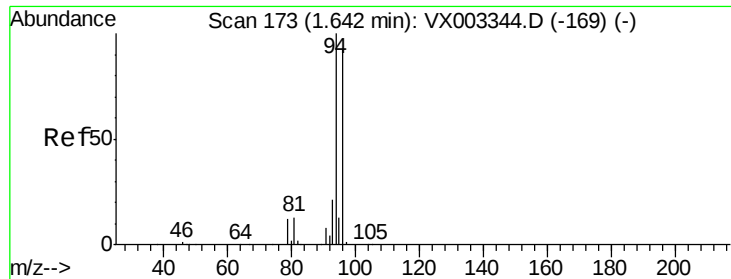
64 31.6 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 48.272 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 93812

Ion Ratio Lower Upper

94 100

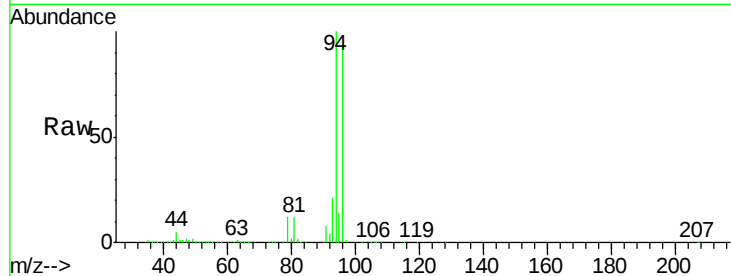
96 93.1 75.7 113.5

Manual Integrations

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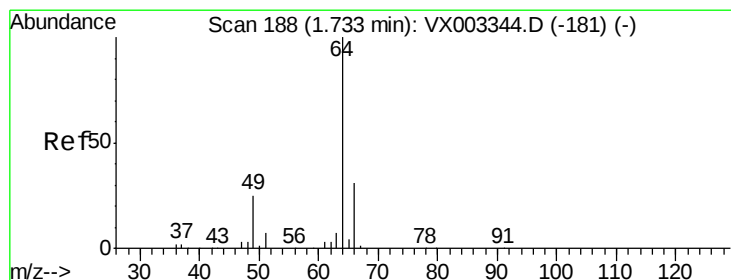
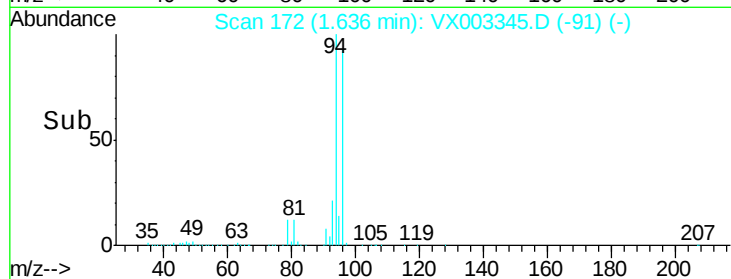
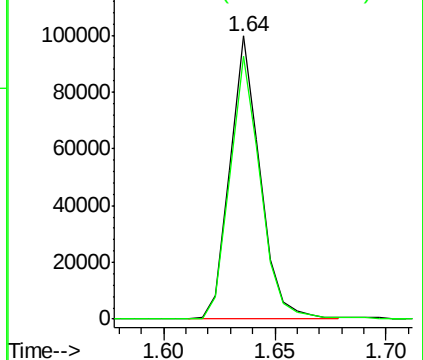
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 61.272 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX003345.D

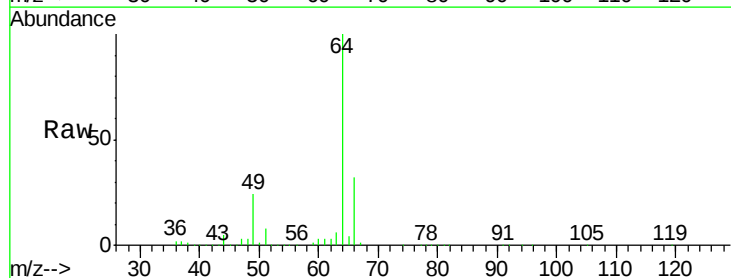
Acq: 12 Jul 2018 12:04

Tgt Ion: 64 Resp: 137078

Ion Ratio Lower Upper

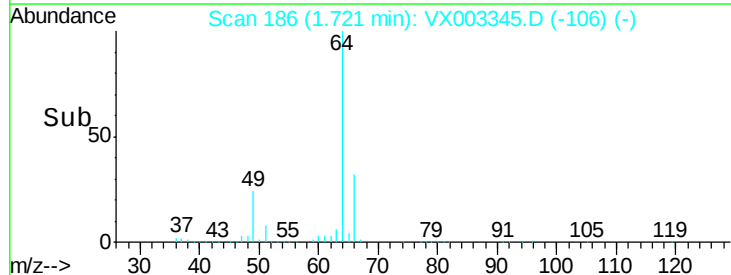
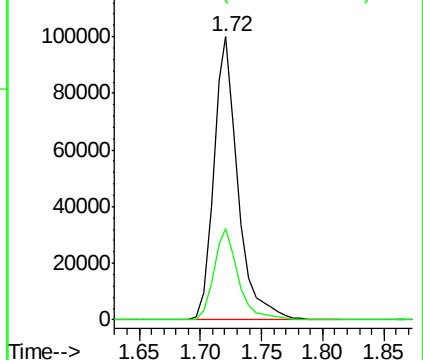
64 100

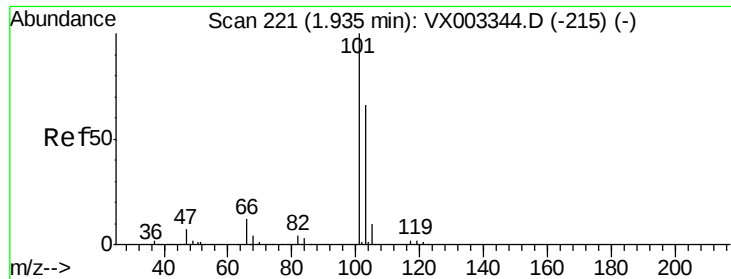
66 32.4 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

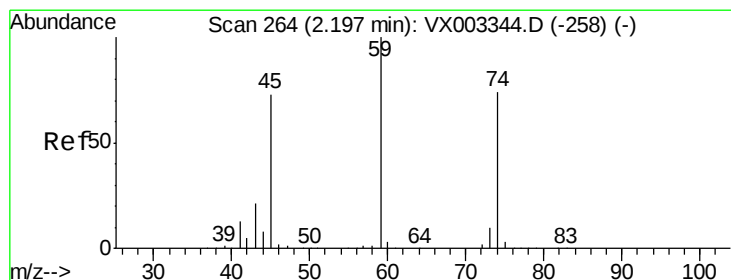
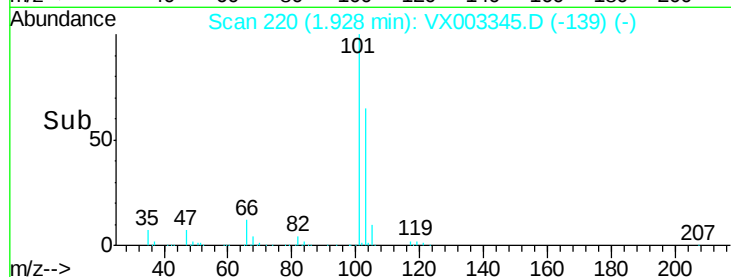
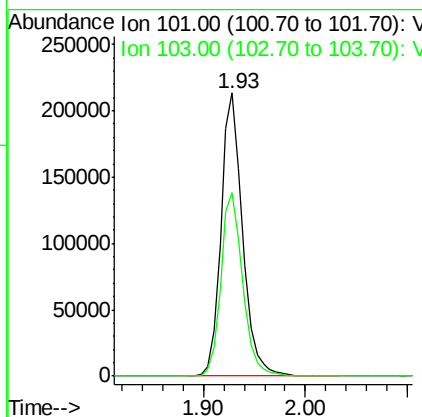
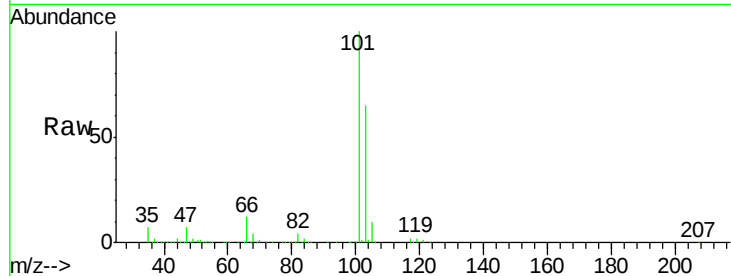
Trichlorofluoromethane
 Concen: 52.979 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.5	77.3

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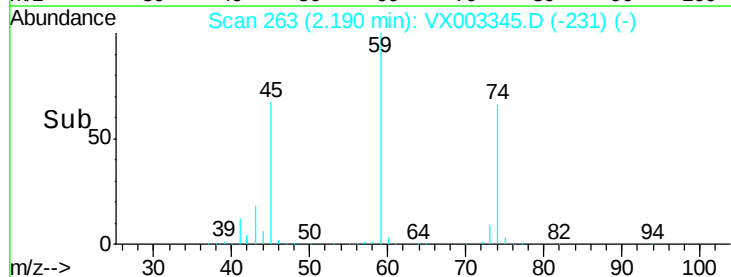
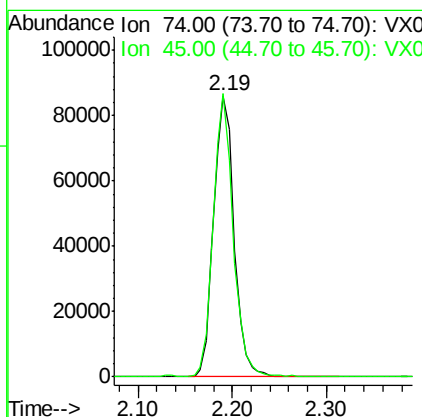
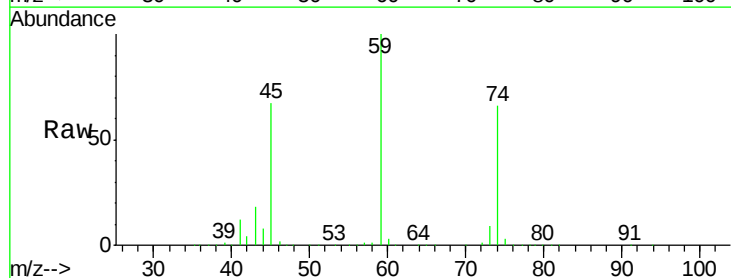
MMDadoda
 7/13/2018 11:35:49 AM

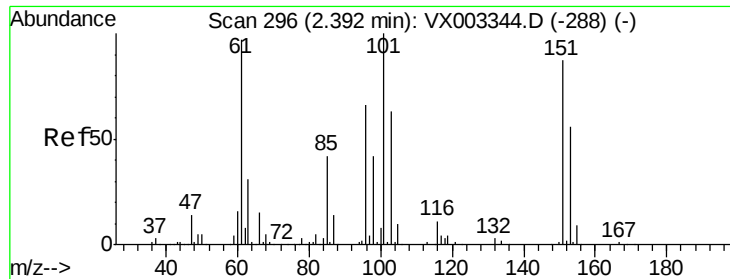


#8

Diethyl Ether
 Concen: 61.654 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	20.5	184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.241 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

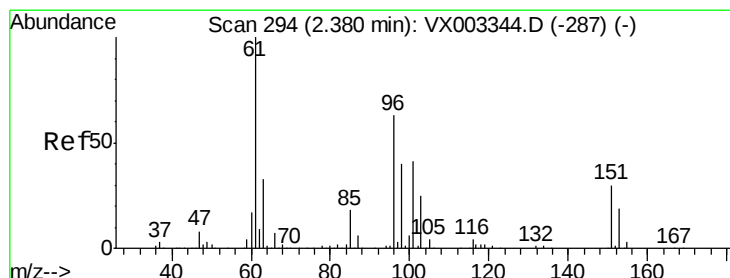
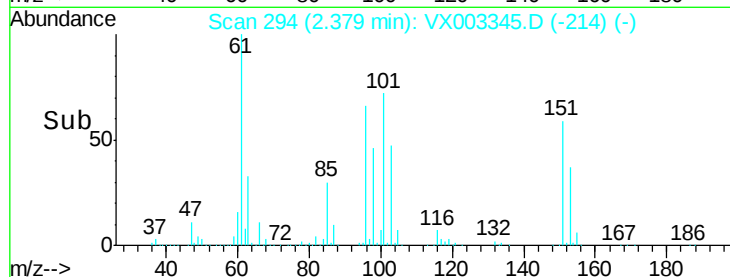
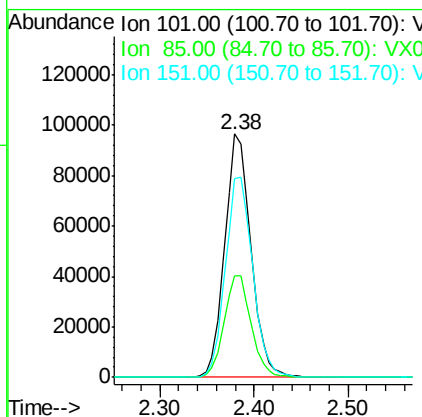
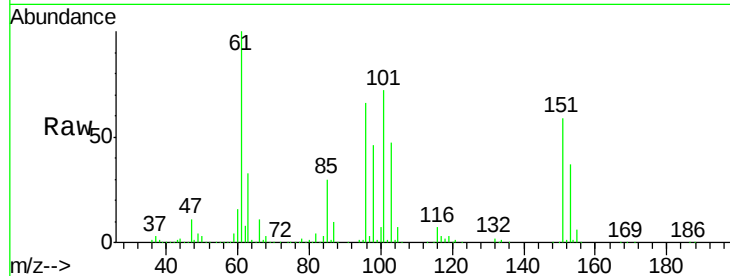
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	186948
Ion Ratio	Lower	Upper	
101	100		
85	42.8	0.0	87.0
151	85.7	0.0	177.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 58.536 ug/l

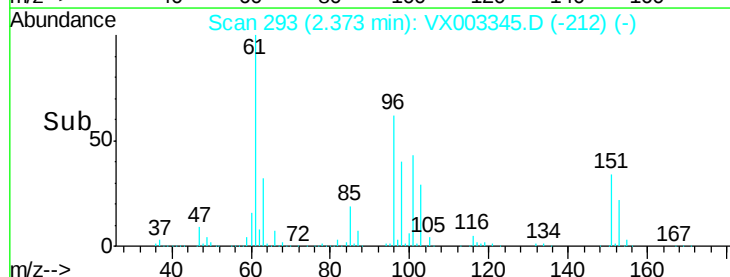
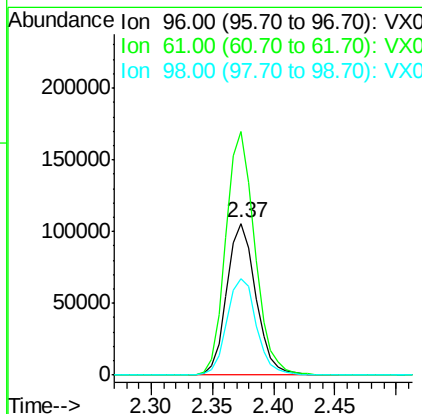
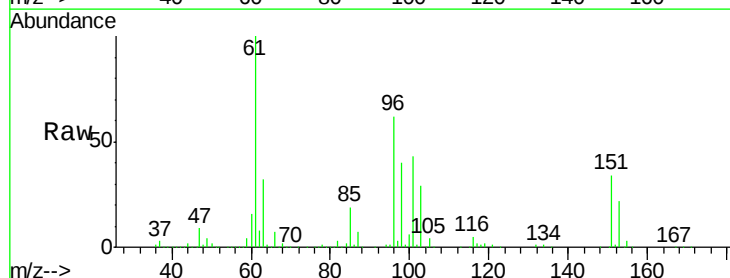
RT: 2.37 min Scan# 293

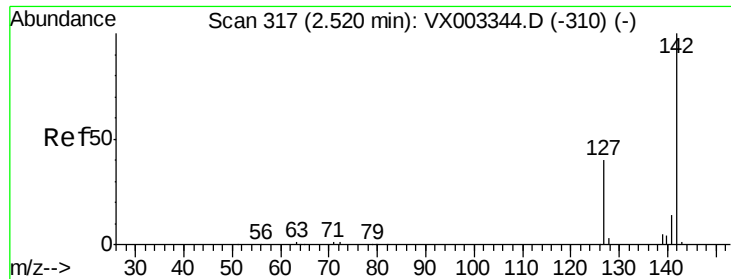
Delta R.T. -0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Tgt Ion:	96	Resp:	174368
Ion Ratio	Lower	Upper	
96	100		
61	160.0	137.5	206.3
98	63.6	51.4	77.2





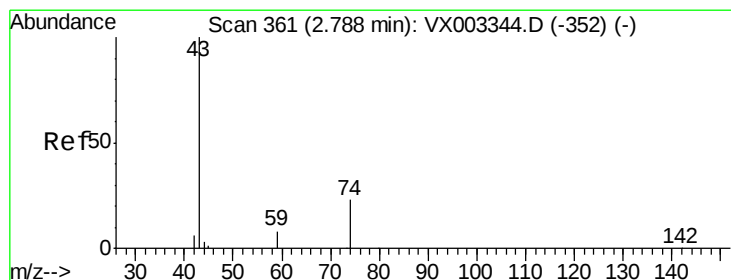
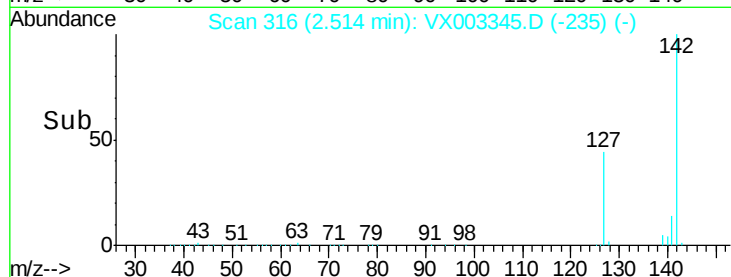
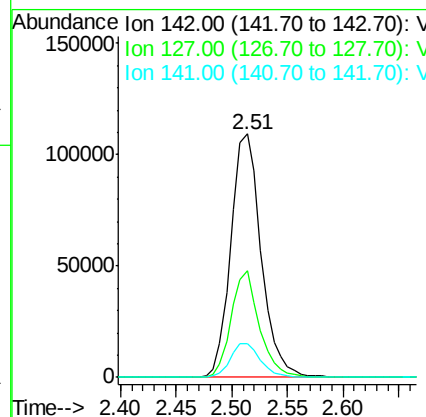
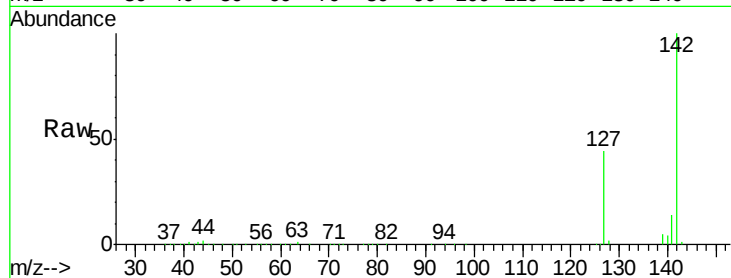
#11
Methyl Iodide
Concen: 60.230 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.6	23.2	69.6
141	14.0	7.4	22.2

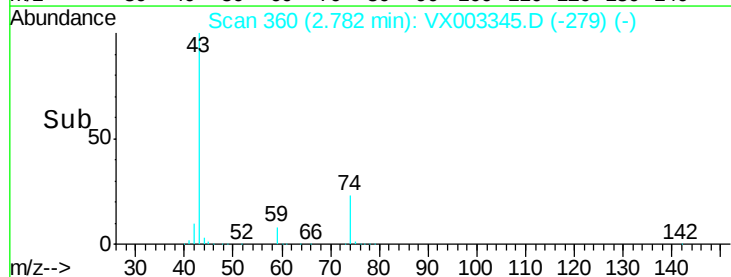
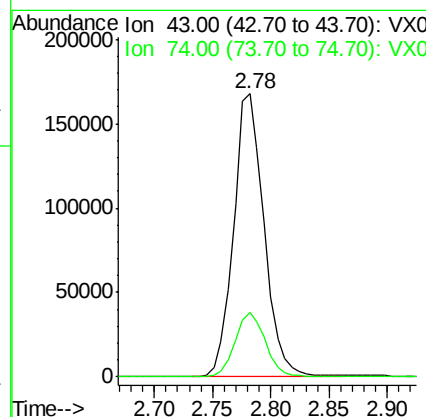
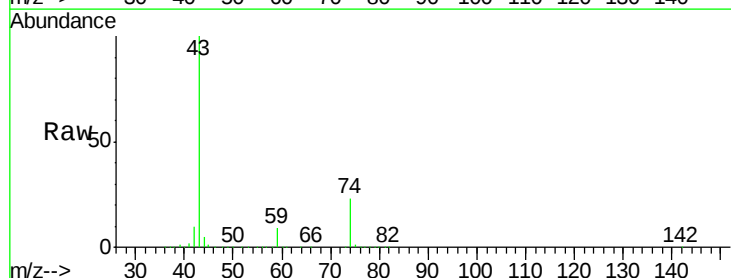
Manual Integrations
APPROVED

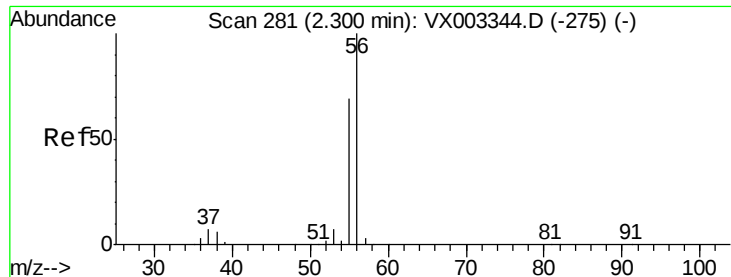
MMDadoda
7/13/2018 11:35:49 AM



#12
Methyl Acetate
Concen: 62.718 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	16.4	24.6





#13

Acrolein

Concen: 301.284 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 103551

Ion Ratio Lower Upper

56 100

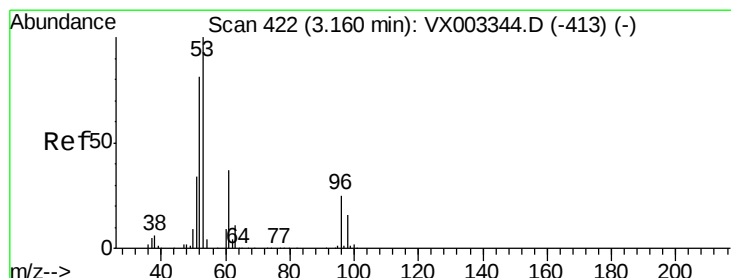
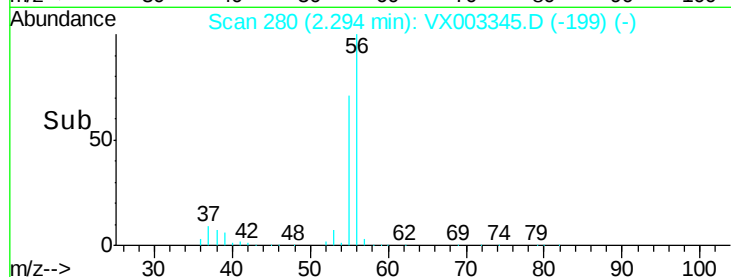
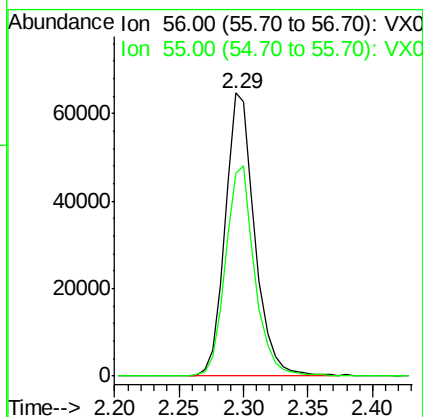
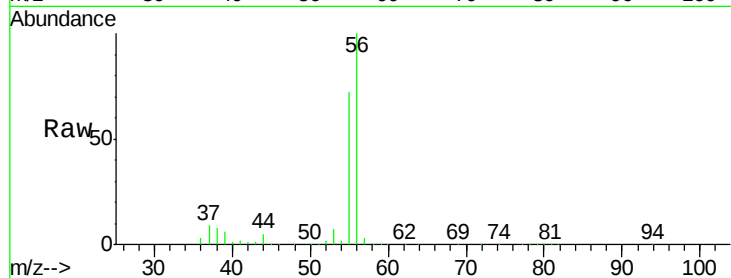
55 73.0 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

7/13/2018 11:35:49 AM



#14

Acrylonitrile

Concen: 303.157 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

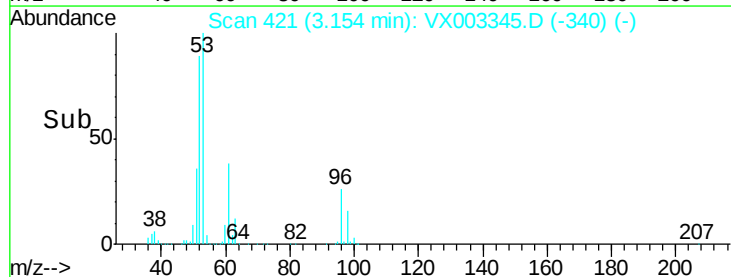
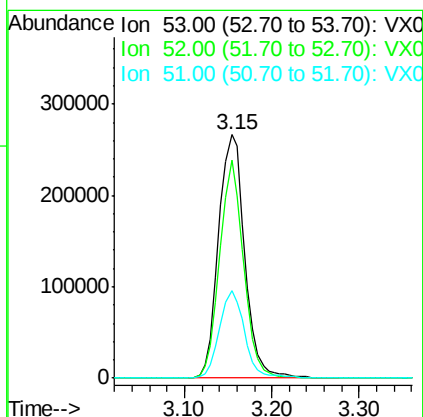
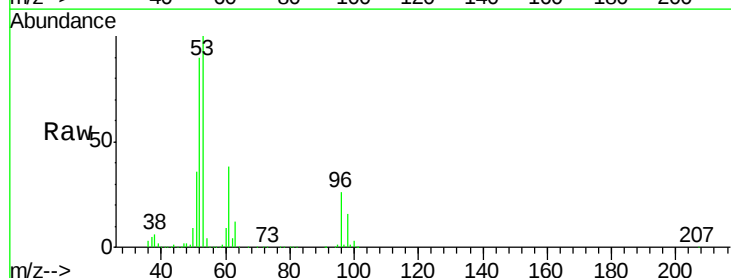
Tgt Ion: 53 Resp: 551177

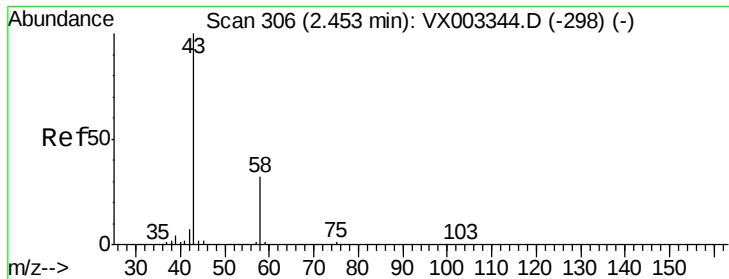
Ion Ratio Lower Upper

53 100

52 82.0 41.5 124.6

51 34.8 17.9 53.8





#15

Acetone

Concen: 275.639 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 58 Resp: 139295

Ion Ratio Lower Upper

58 100

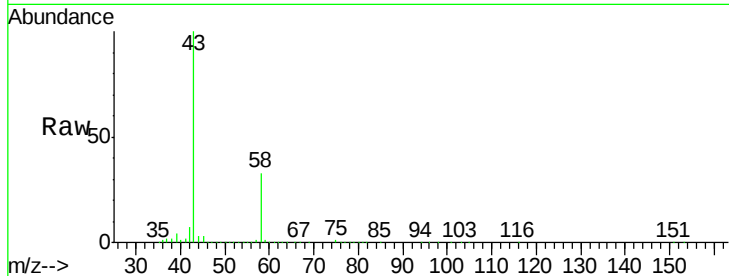
43 302.3 278.8 418.2

Manual Integrations

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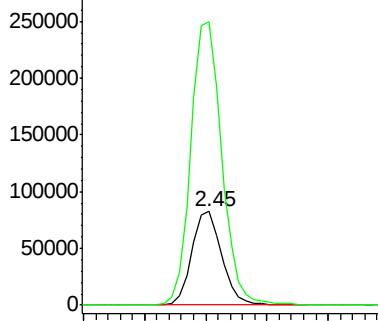
MMDadoda

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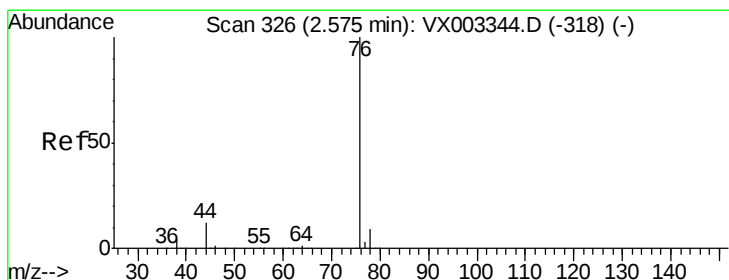
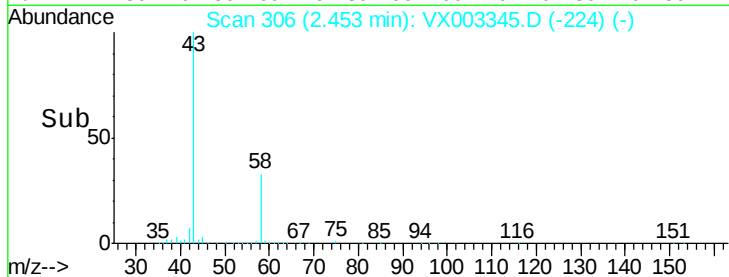


Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



Time--> 2.35 2.40 2.45 2.50 2.55



#16

Carbon Disulfide

Concen: 66.314 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX003345.D

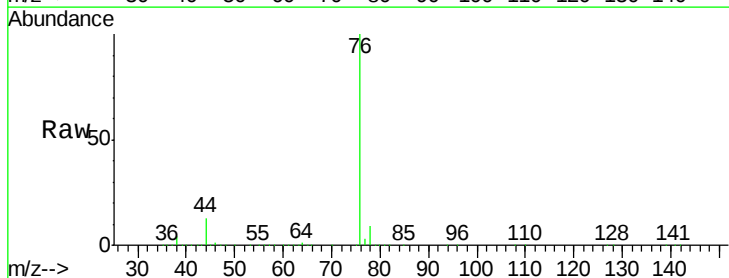
Acq: 12 Jul 2018 12:04

Tgt Ion: 76 Resp: 494602

Ion Ratio Lower Upper

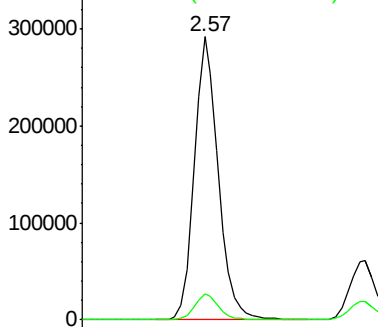
76 100

78 9.2 7.4 11.0

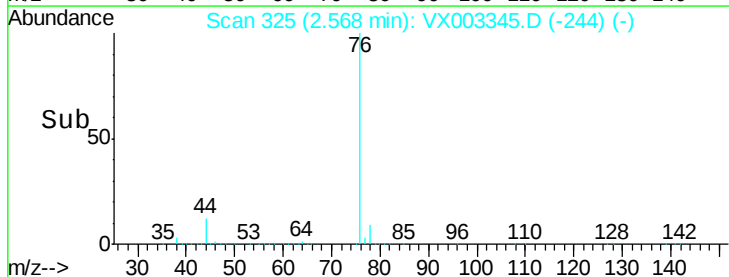


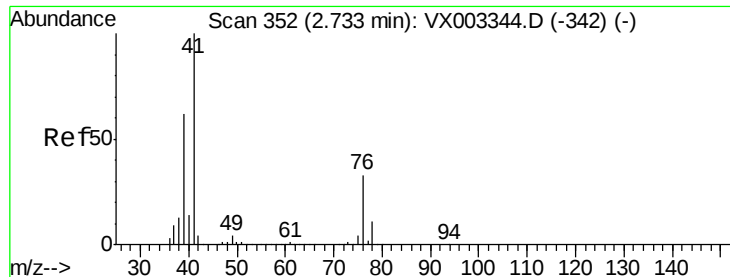
Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



Time--> 2.50 2.60 2.70





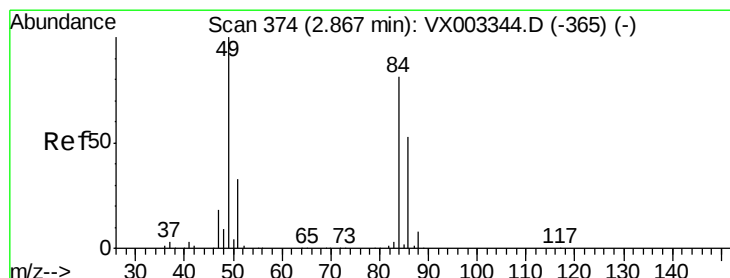
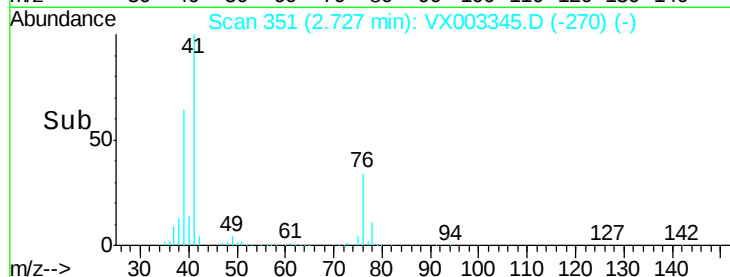
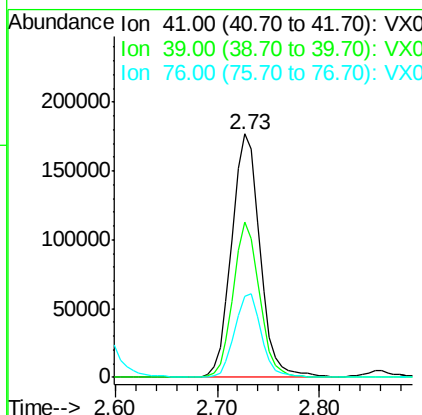
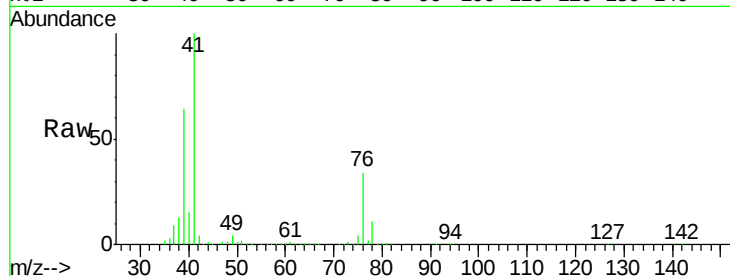
#17
Allvl chloride
Concen: 57.094 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.6	34.6	103.8
76	33.5	15.0	45.1

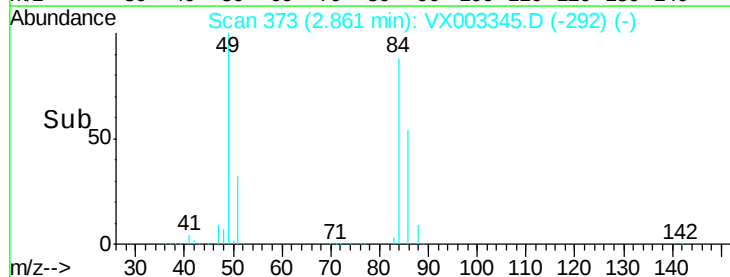
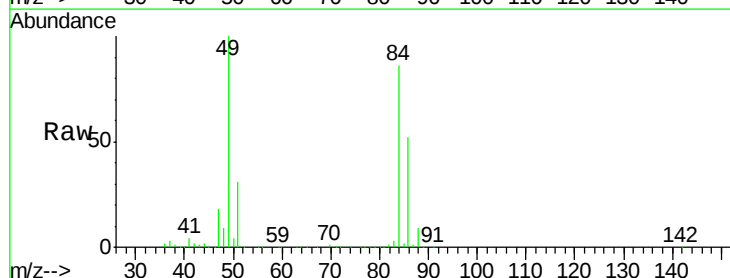
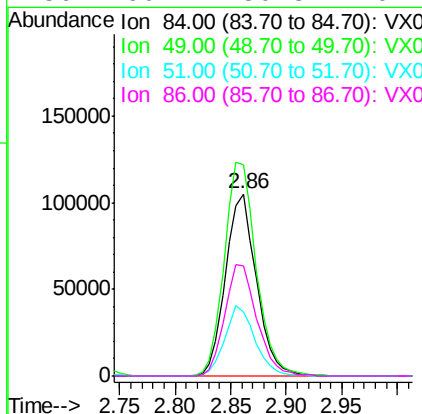
Manual Integrations
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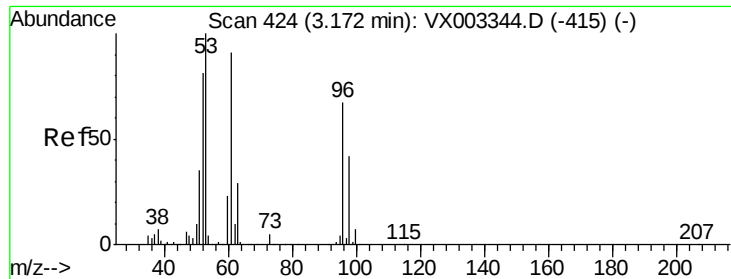
MMDadoda
7/13/2018 11:35:49 AM



#18
Methylene Chloride
Concen: 59.419 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.9	104.7	157.1
51	35.4	31.0	46.4
86	60.4	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 58.632 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 96 Resp: 187278

Ion Ratio Lower Upper

96 100

61 140.4 114.6 172.0

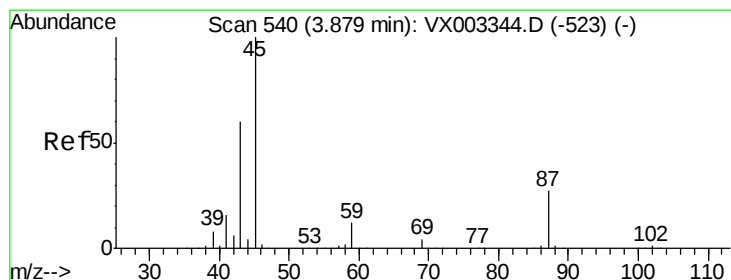
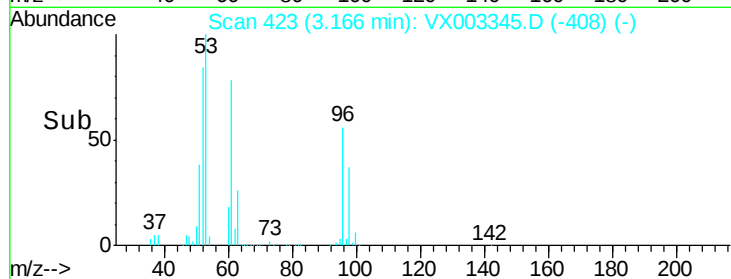
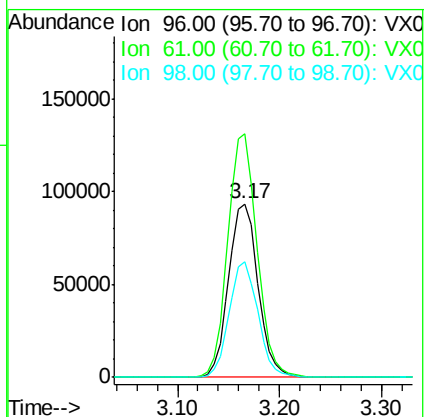
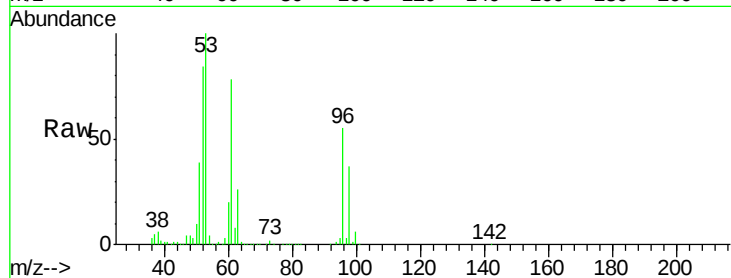
98 66.5 51.3 76.9

Manual Integrations

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MMDadoda

7/13/2018 11:35:49 AM



#20

Diisopropyl ether

Concen: 52.000 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Tgt Ion: 45 Resp: 574357

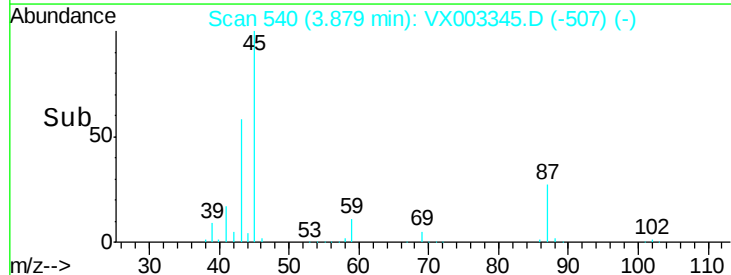
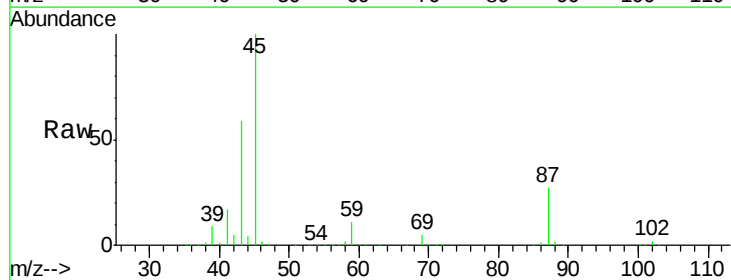
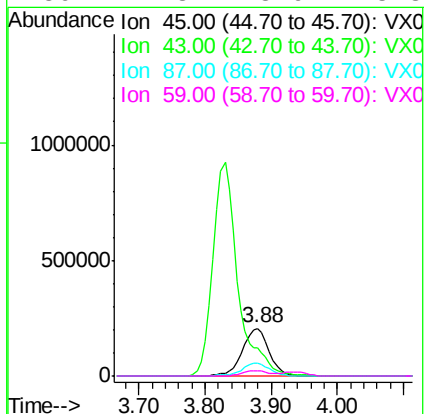
Ion Ratio Lower Upper

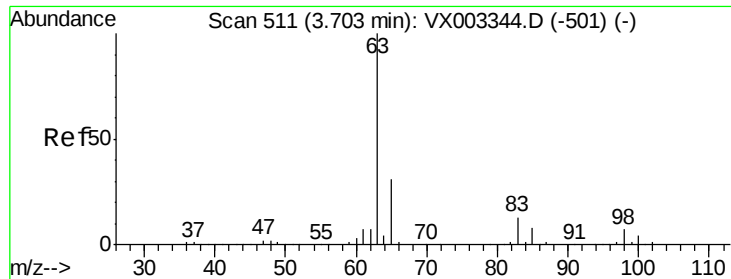
45 100

43 58.2 45.6 68.4

87 27.5 20.7 31.1

59 11.3 8.9 13.3





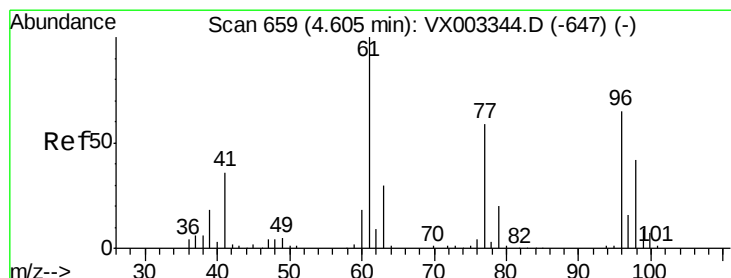
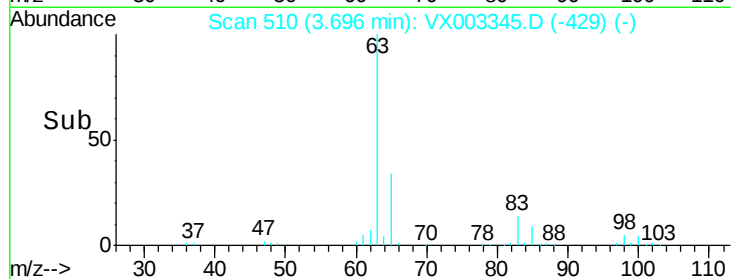
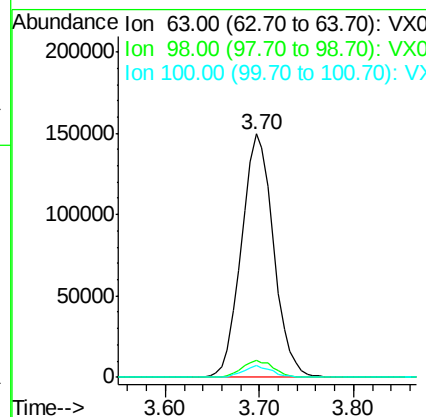
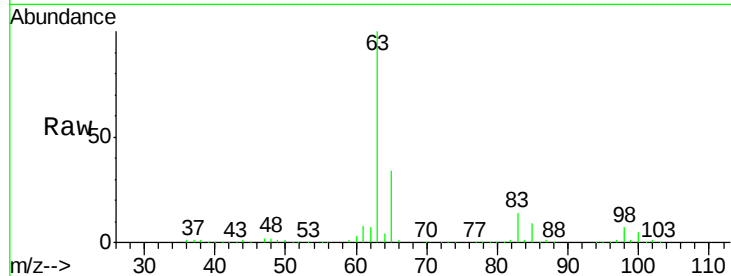
#21
 1,1-Dichloroethane
 Concen: 60.070 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.7	3.1	9.3	
100	4.6	2.2	6.6	

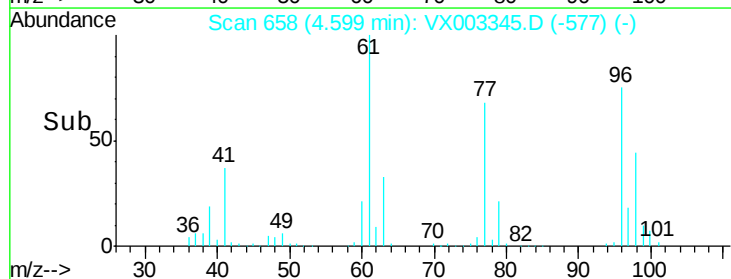
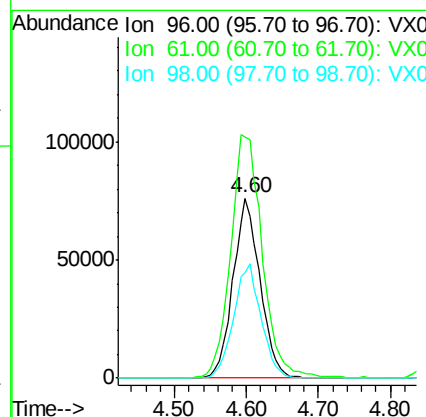
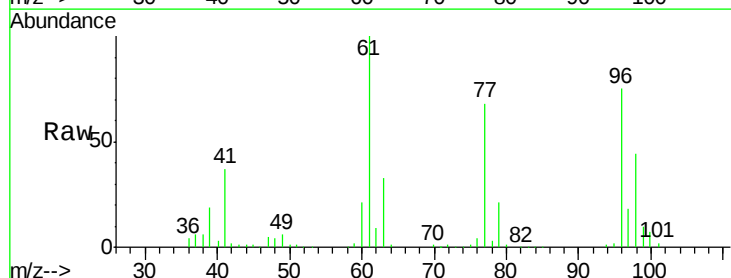
Manual Integrations
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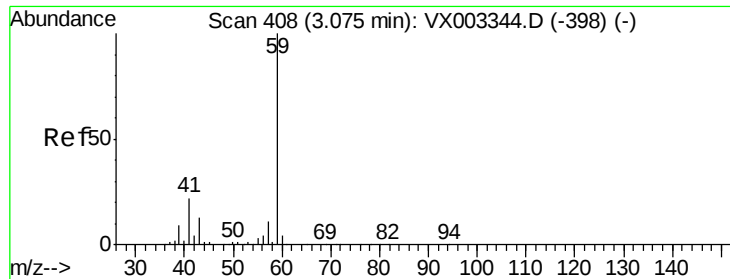
MMDadoda
 7/13/2018 11:35:49 AM



#22
 cis-1,2-Dichloroethene
 Concen: 57.816 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	158.2	160.2	240.2	#
98	64.4	54.1	81.1	





#23

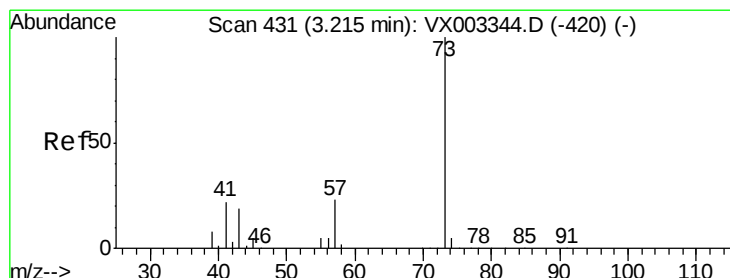
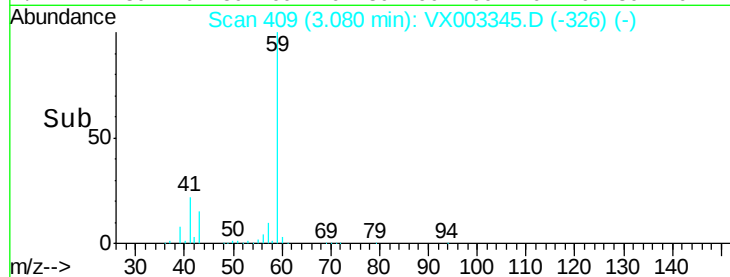
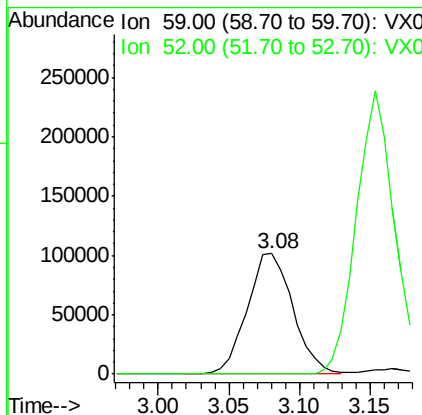
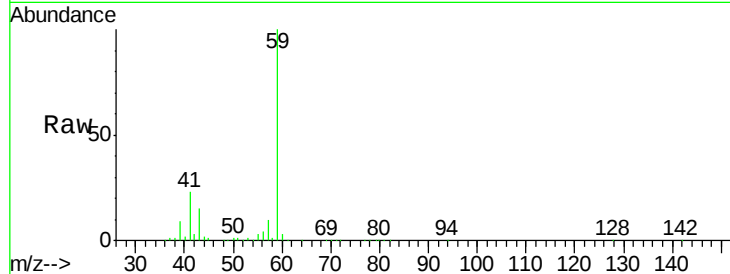
tert-Butyl Alcohol
 Concen: 278.214 ug/l m
 RT: 3.08 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	59.00	Resp	229654
Ion Ratio	100	Lower	Upper
59	100		
52	0.0	0.2	0.2#

Manual Integrations
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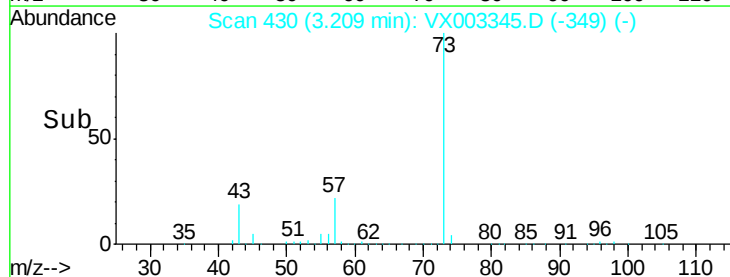
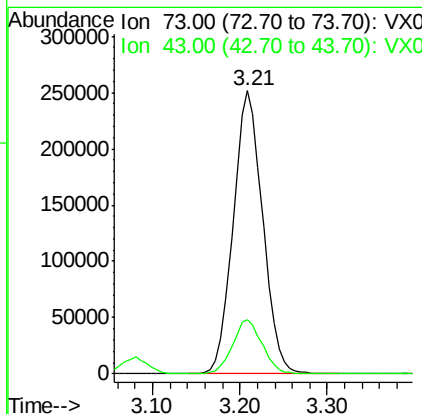
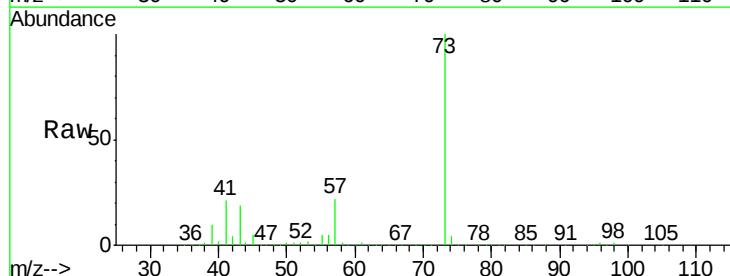
MMDadoda
 7/13/2018 11:35:49 AM

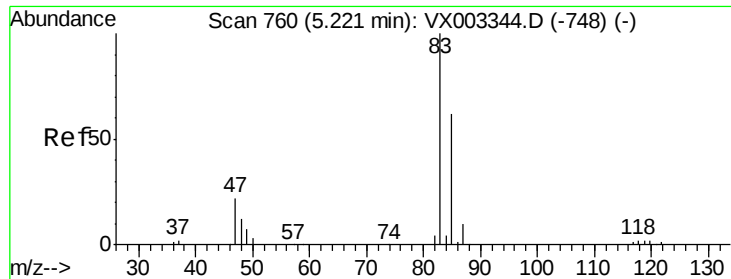


#24

Methyl tert-Butyl Ether
 Concen: 52.901 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Tgt Ion	73.00	Resp	588358
Ion Ratio	100	Lower	Upper
73	100		
43	19.1	19.0	28.4





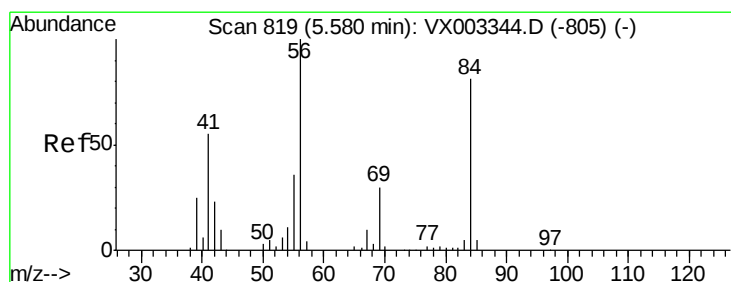
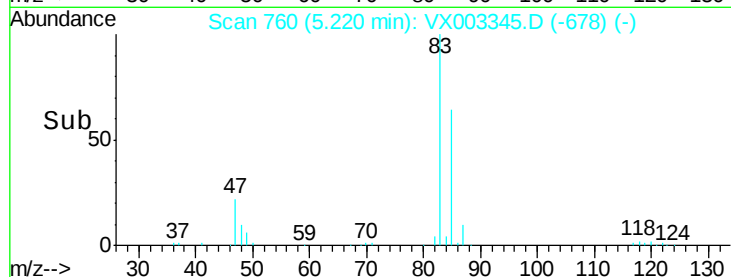
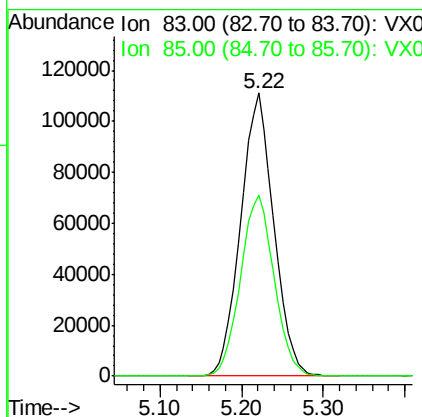
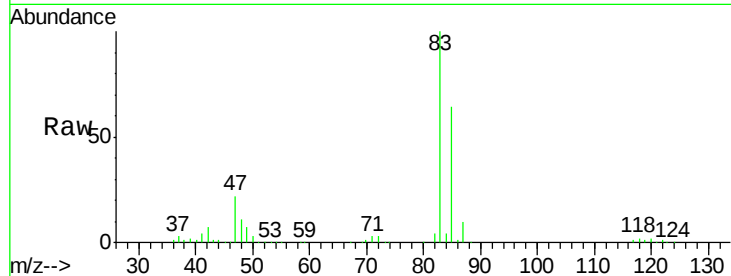
#25
Chloroform
Concen: 52.647 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	313791
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	51.9	77.9

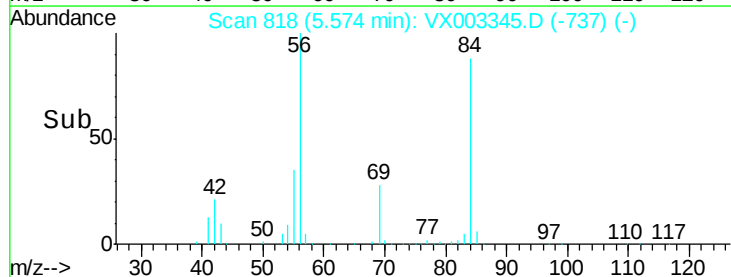
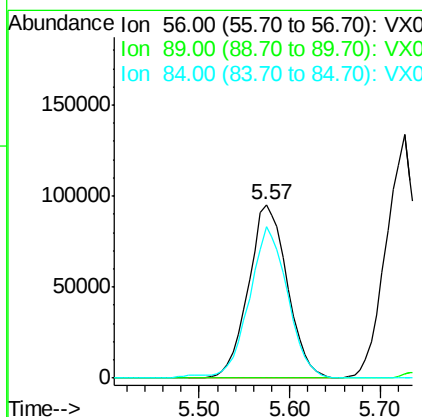
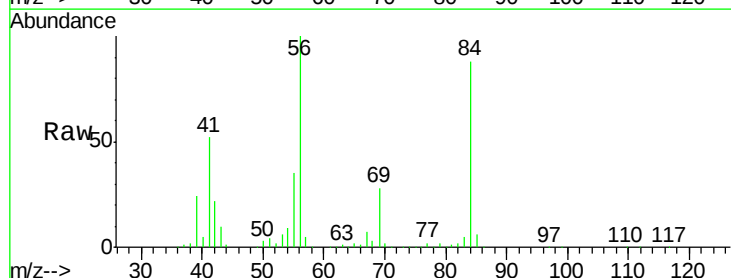
Manual Integrations
APPROVED

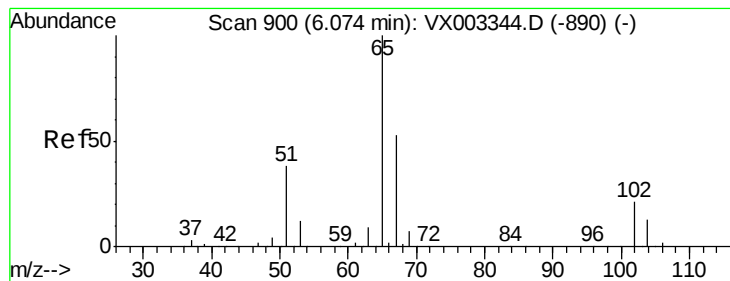
MMDadoda
7/13/2018 11:35:49 AM



#26
Cyclohexane
Concen: 55.820 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	56	Resp	281658
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	85.9	64.9	97.3





#27

1,2-Dichloroethane-d4

Concen: 26.834 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Tot Ion: 65 Resp: 118070

Ion Ratio Lower Upper

65 100

67 53.9 40.9 61.3

Instrument :

MSVOA_X

ClientSampleId :

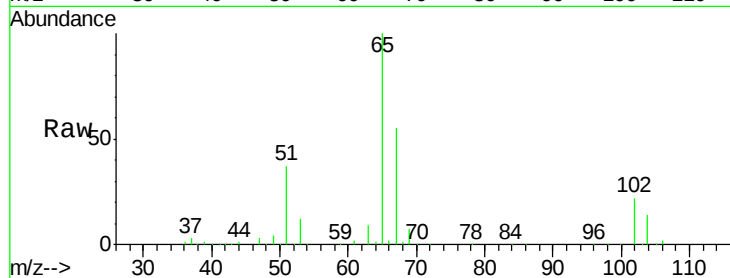
VSTDIC050

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.07

50000

40000

30000

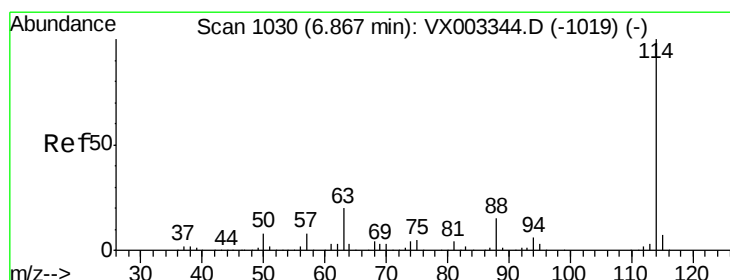
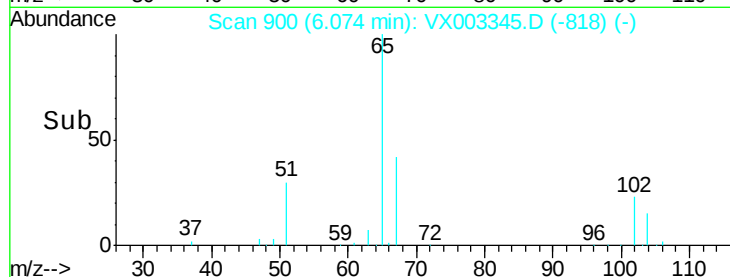
20000

10000

0

Time-->

5.95 6.00 6.05 6.10 6.15



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

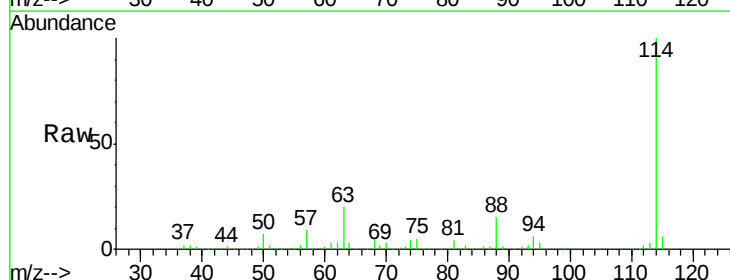
Tgt Ion: 114 Resp: 316742

Ion Ratio Lower Upper

114 100

63 19.5 17.1 25.7

88 15.0 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.87

150000

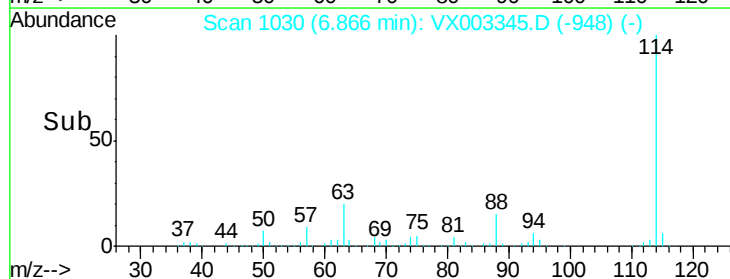
100000

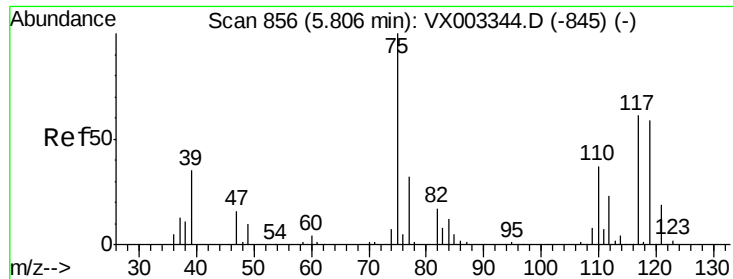
50000

0

Time-->

6.75 6.80 6.85 6.90 6.95





#29

1,1-Dichloropropene

Concen: 55.724 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

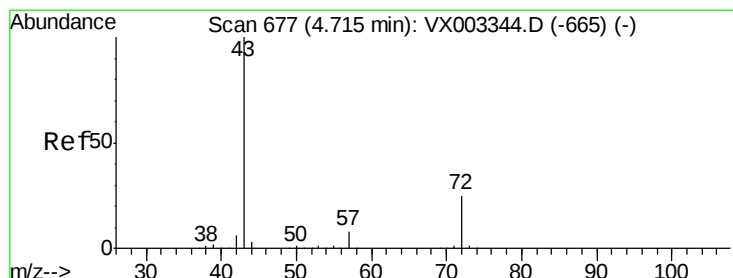
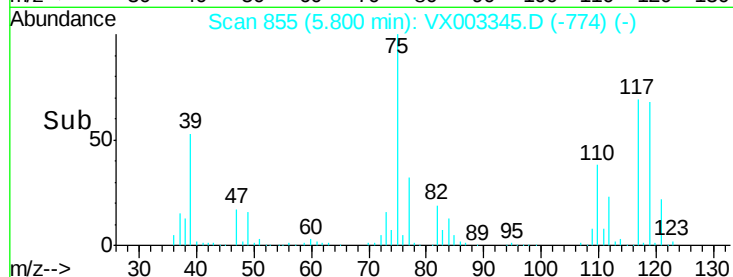
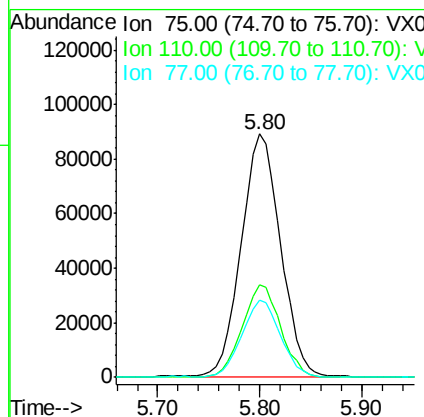
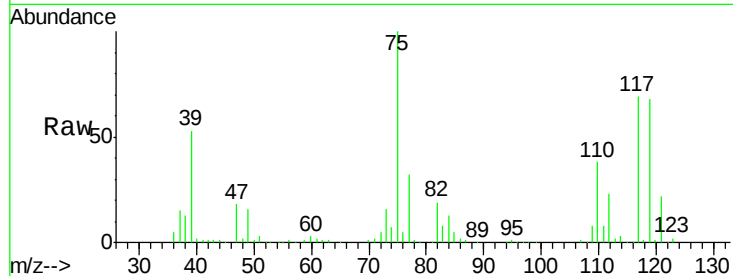
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	238355
Ion Ratio	Lower	Upper	
75	100		
110	37.2	0.0	71.4
77	31.5	0.0	60.6

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#30

2-Butanone

Concen: 269.936 ug/l

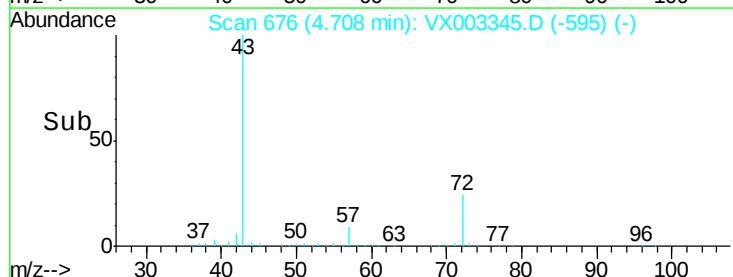
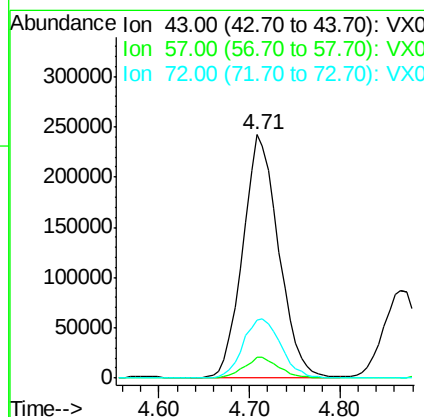
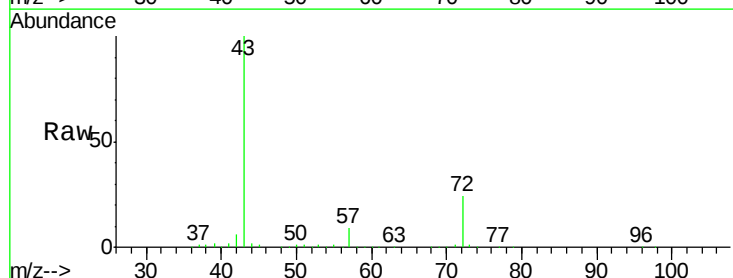
RT: 4.71 min Scan# 676

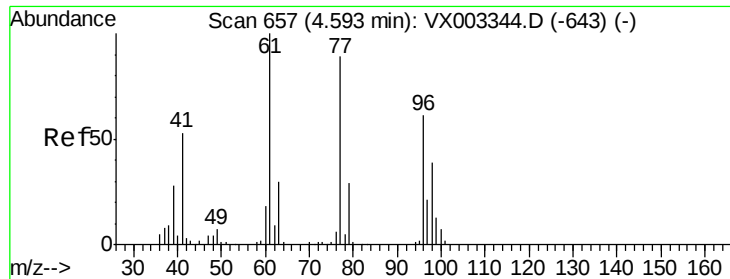
Delta R.T. -0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Tgt Ion:	43	Resp:	660695
Ion Ratio	Lower	Upper	
43	100		
57	8.4	6.1	9.1
72	25.8	18.1	27.1





#31

2,2-Dichloropropane

Concen: 55.758 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 254897

Ion Ratio Lower Upper

77 100

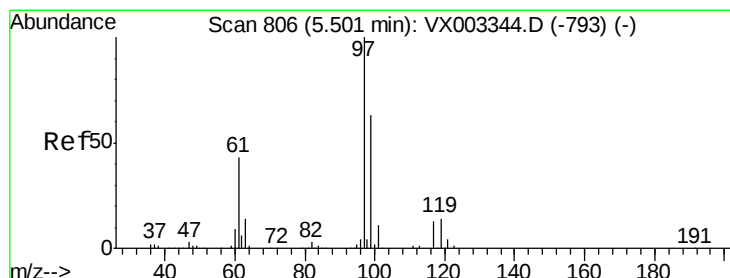
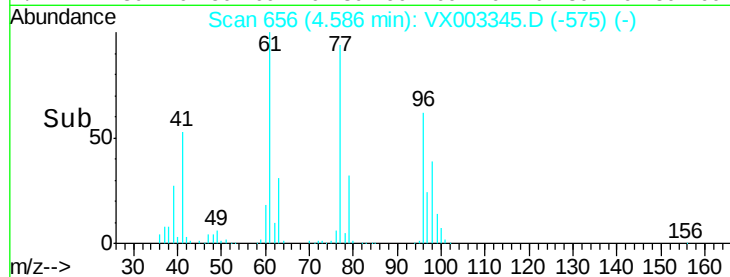
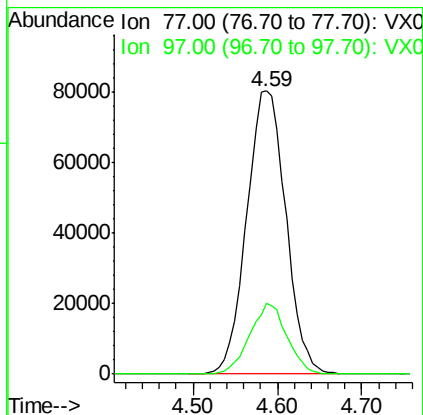
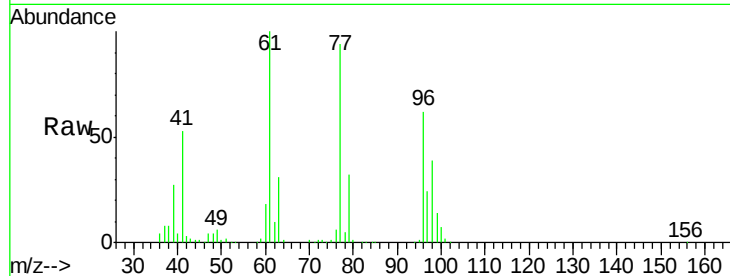
97 23.7 18.7 28.1

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 52.411 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

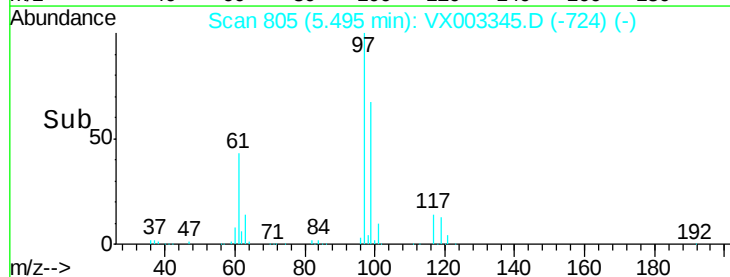
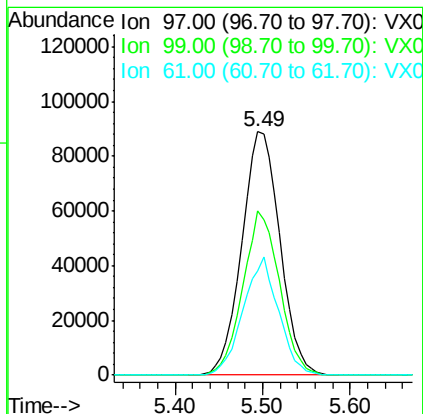
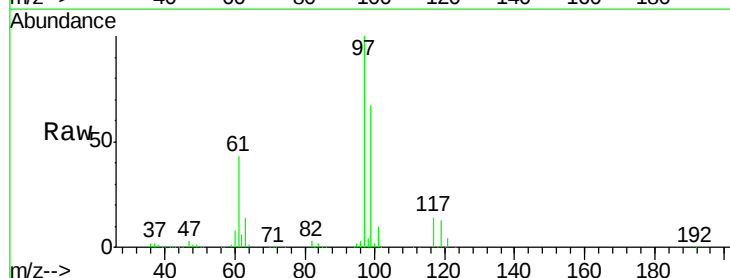
Tgt Ion: 97 Resp: 270818

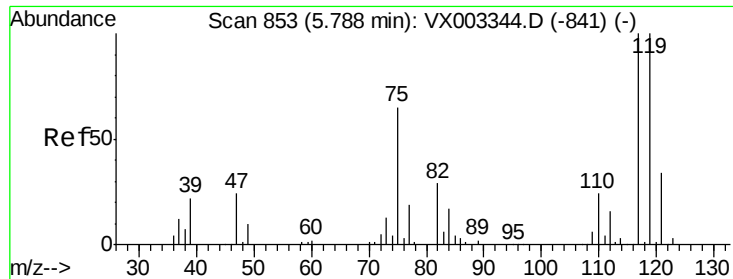
Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 45.0 36.4 54.6





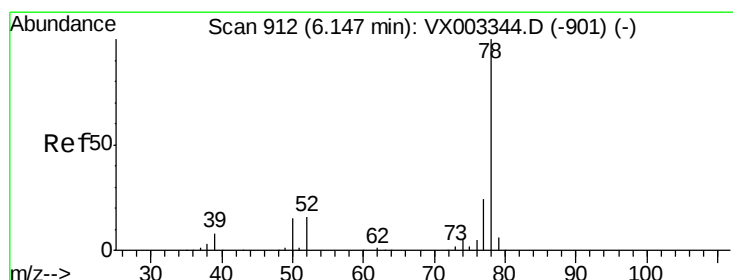
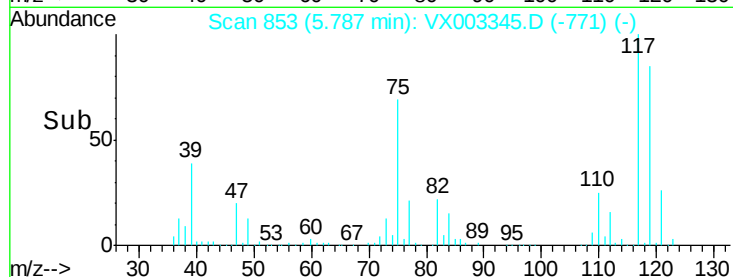
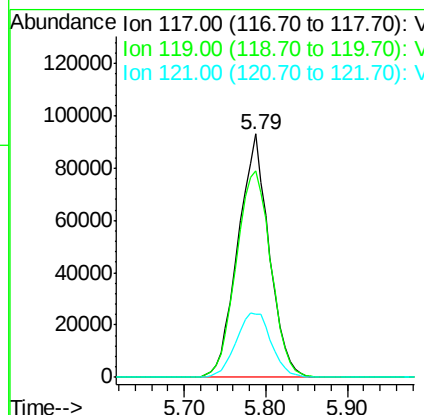
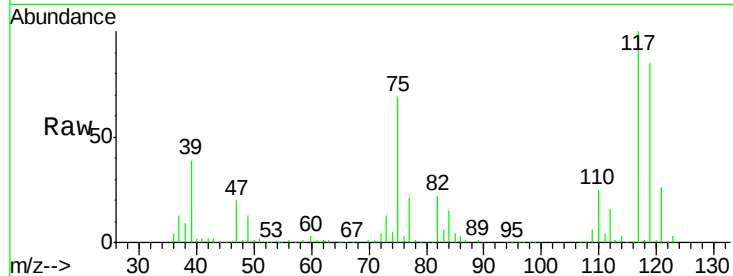
#33
Carbon Tetrachloride
Concen: 52.906 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	245715		
119	84.5	73.3	109.9	
121	26.1	23.6	35.4	

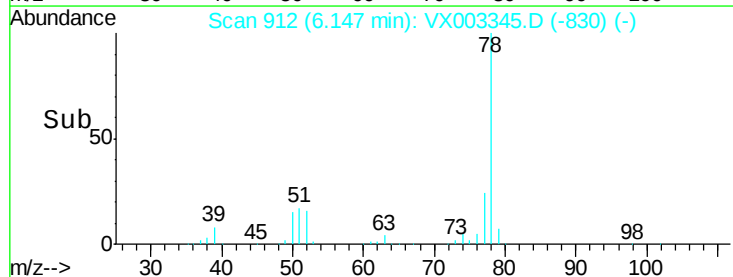
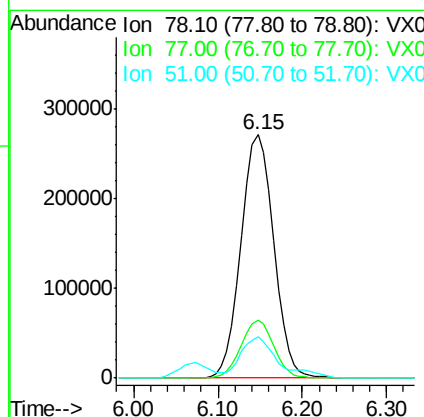
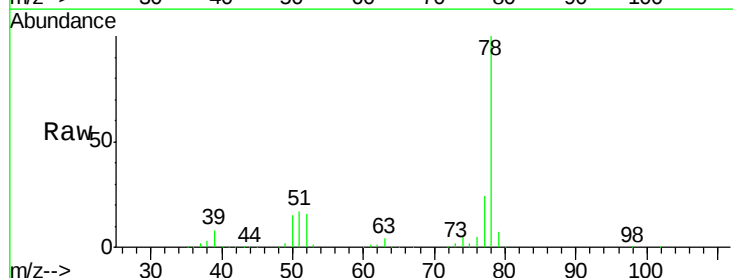
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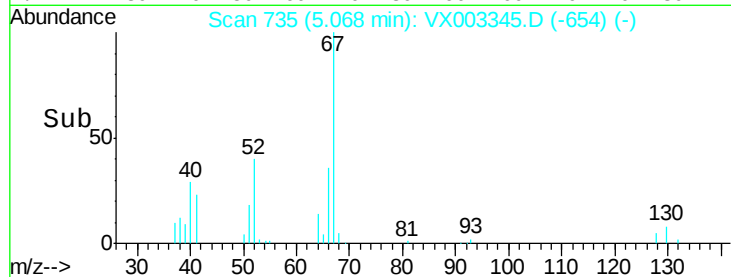
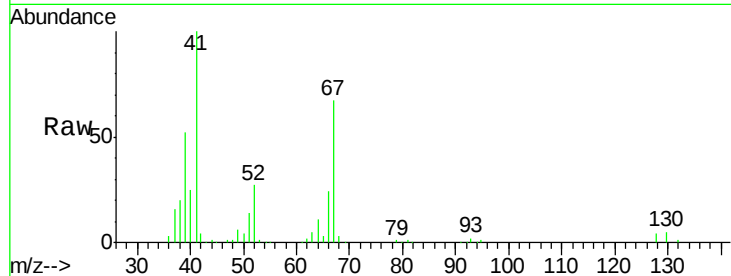
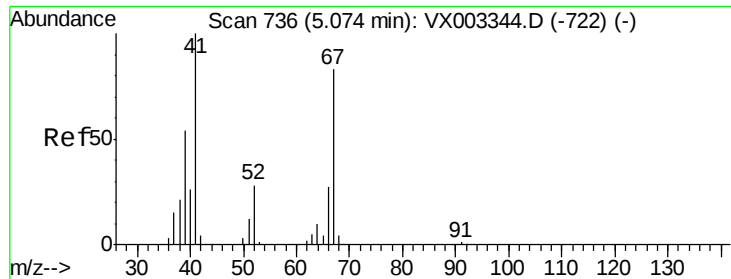
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#34
Benzene
Concen: 56.544 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

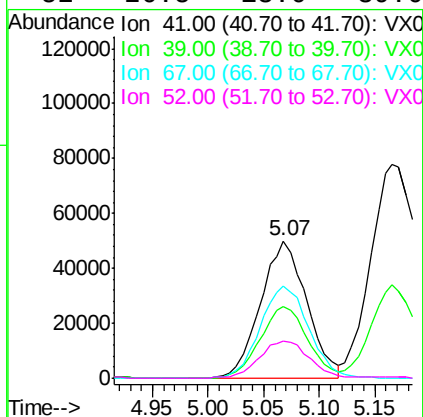
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	716281		
77	23.9	19.4	29.0	
51	16.6	13.8	20.6	





#35
Methacrylonitrile
Concen: 53.823 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

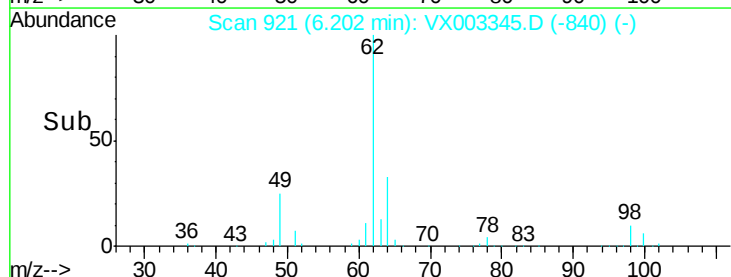
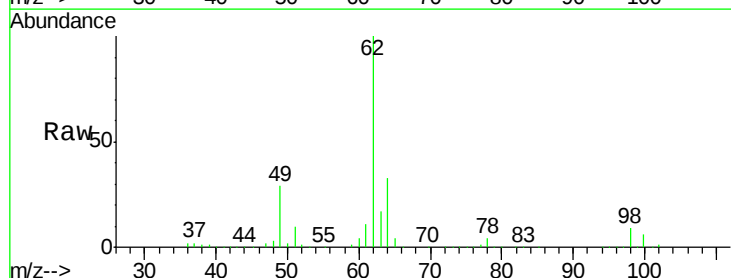
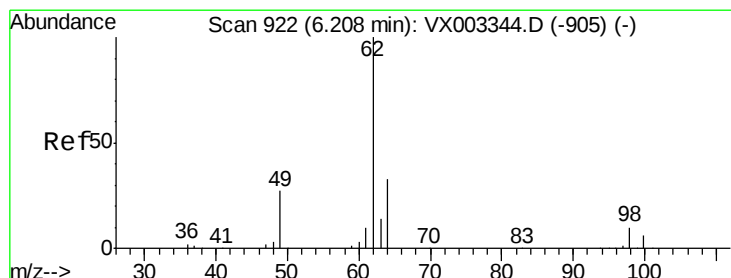
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	51.9	28.8	86.5		
67	67.2	30.4	91.2		
52	26.5	13.0	39.0		



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

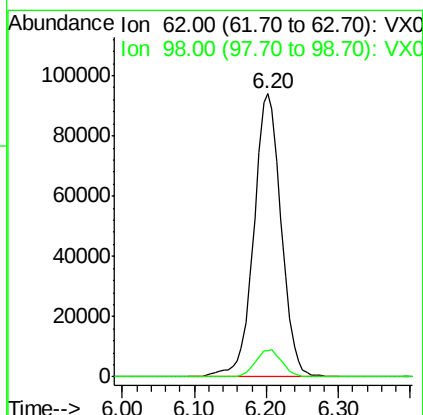
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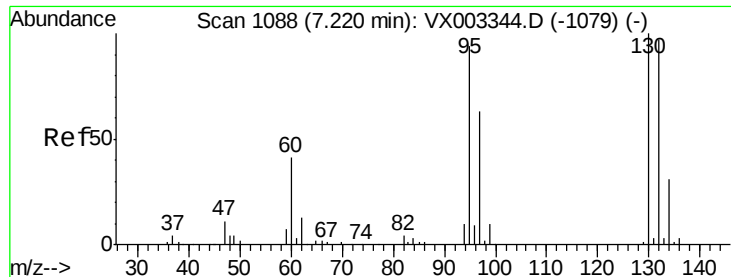
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#36
1,2-Dichloroethane
Concen: 49.915 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.4	6.5	9.7		





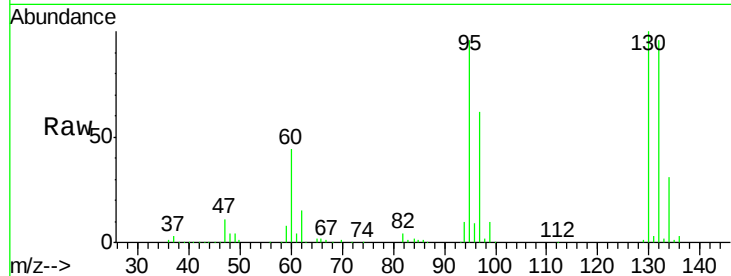
#37
 Trichloroethene
 Concen: 53.005 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

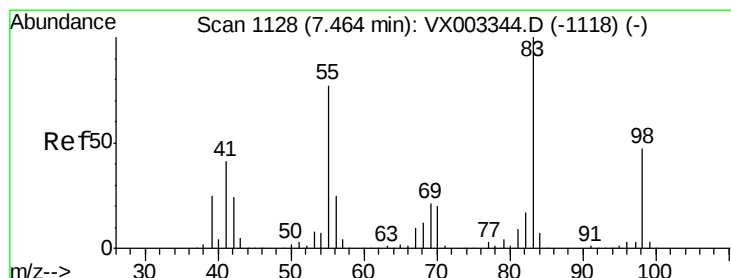
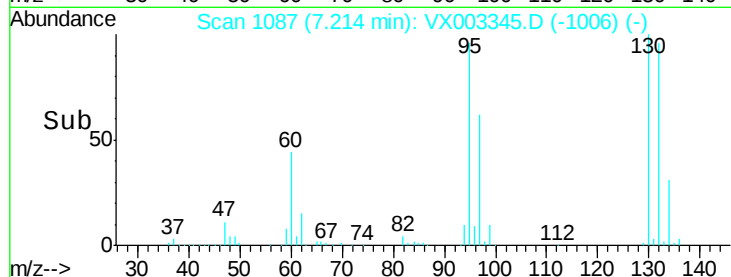
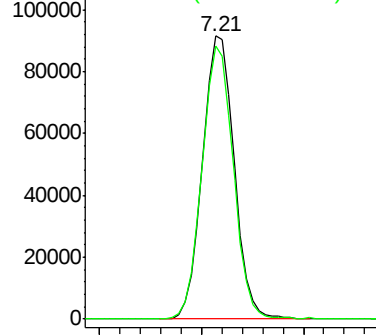
Tot Ion:130 Resp: 196657
 Ion Ratio Lower Upper
 130 100
 95 96.3 81.5 122.3

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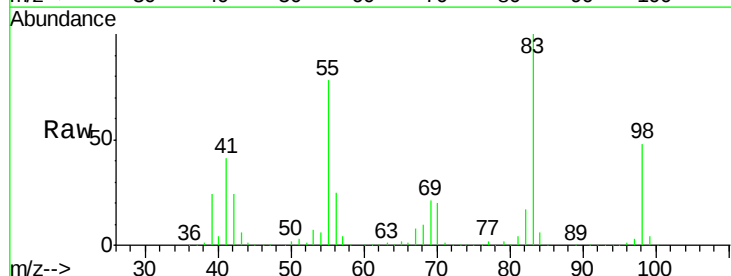


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

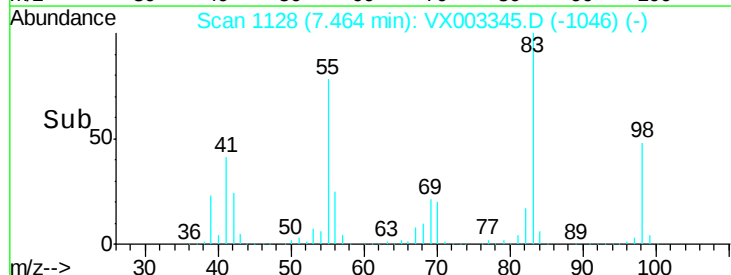
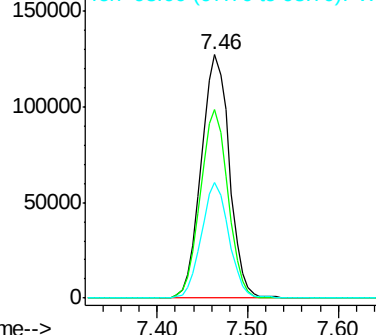


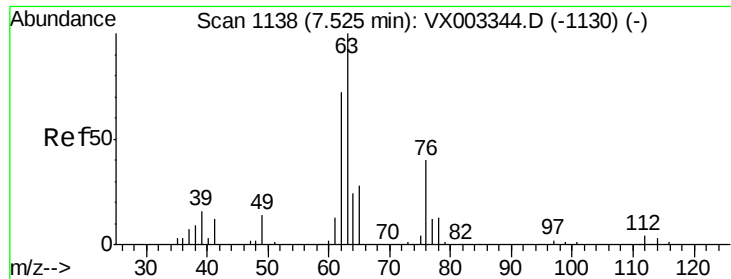
#38
 Methylcyclohexane
 Concen: 52.852 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Tgt Ion: 83 Resp: 275043
 Ion Ratio Lower Upper
 83 100
 55 76.0 40.6 121.8
 98 46.3 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





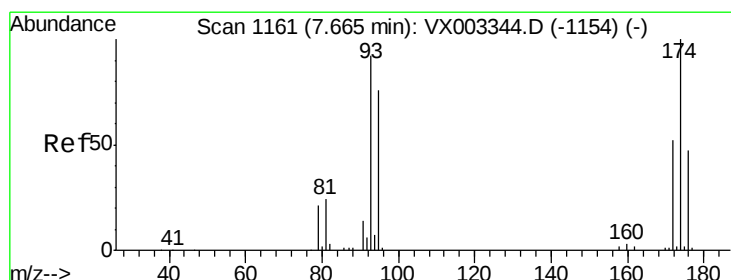
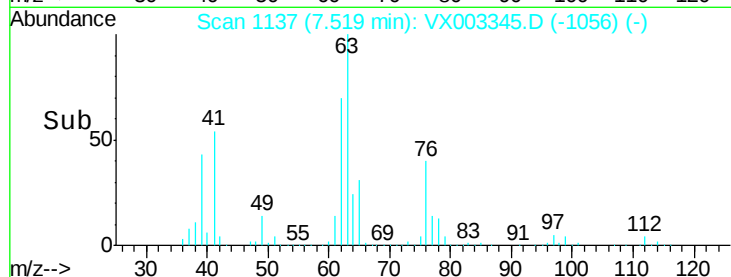
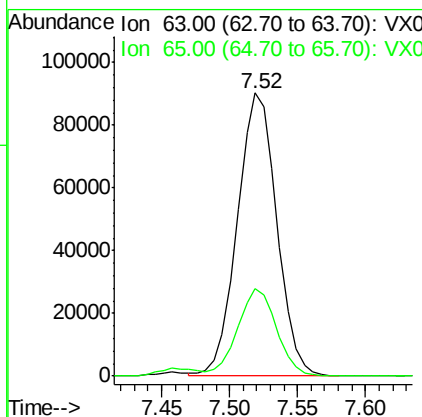
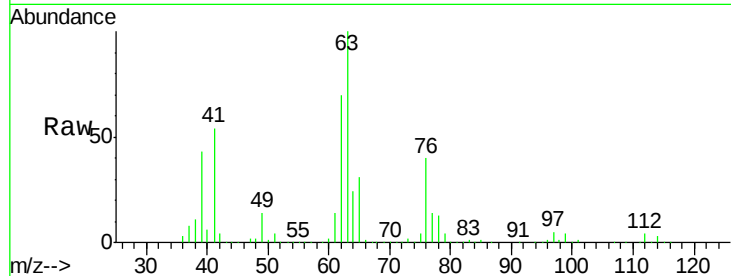
#39
 1,2-Dichloropropane
 Concen: 55.314 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	23.3	34.9

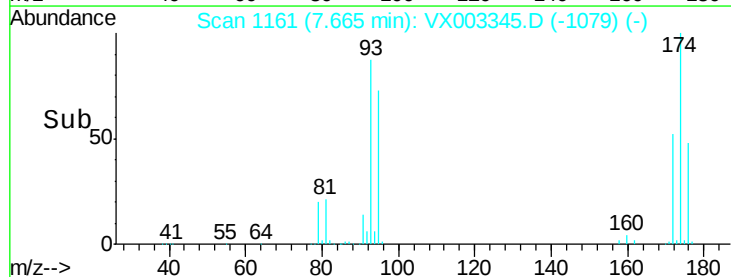
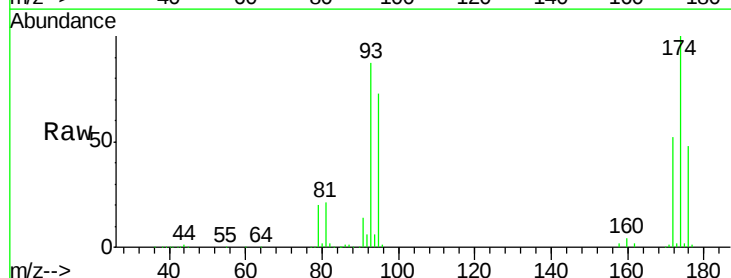
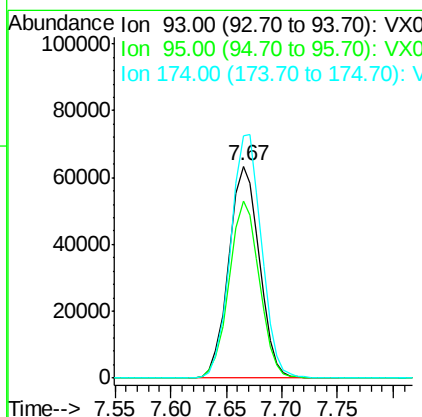
Manual Integrations
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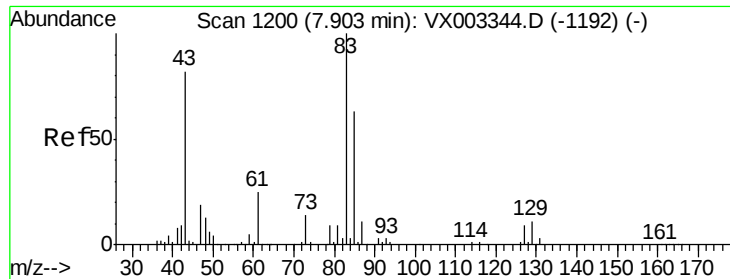
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#40
 Dibromomethane
 Concen: 52.734 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	0.0	162.6
174	115.8	0.0	229.4





#41

Bromodichloromethane

Concen: 52.720 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Tot Ion:	83	Resp:	227353
Ion Ratio	Lower	Upper	
83	100		
85	63.9	49.8	74.8
127	9.1	7.3	10.9

Instrument :

MSVOA_X

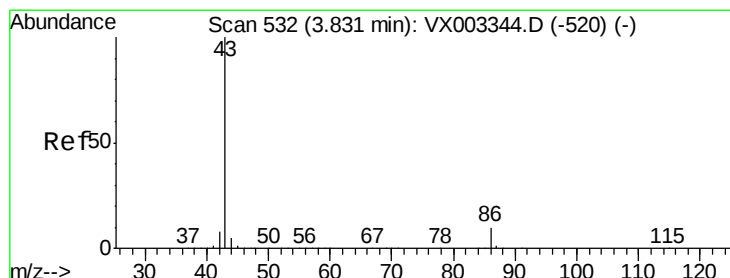
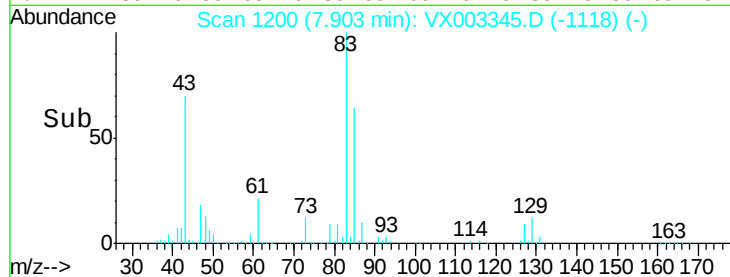
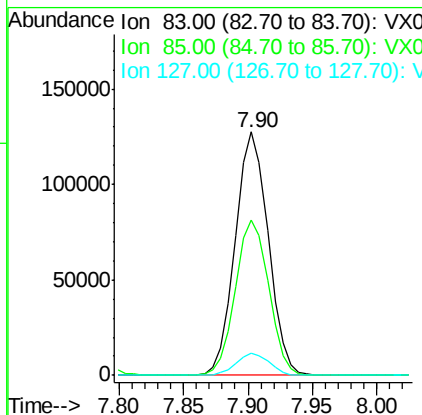
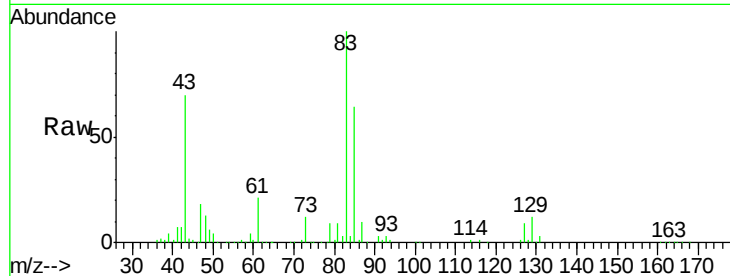
ClientSampleId :

VSTDIC050

Manual Integrations
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7/13/2018 11:35:49 AM



#42

Vinyl Acetate

Concen: 262.539 ug/l

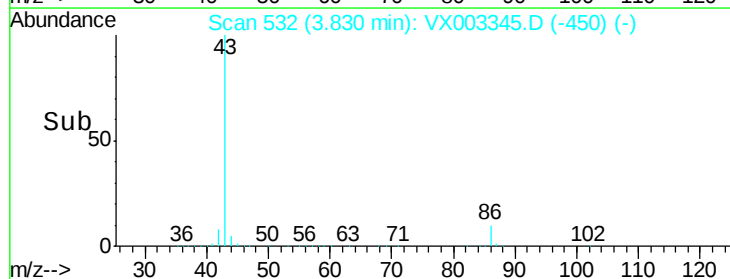
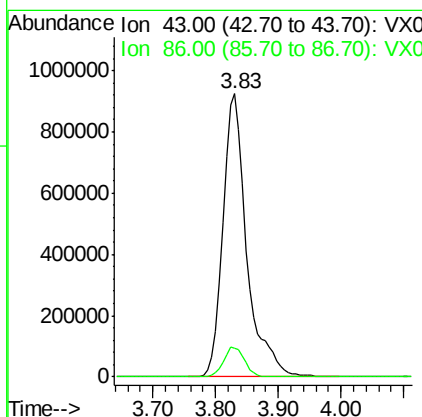
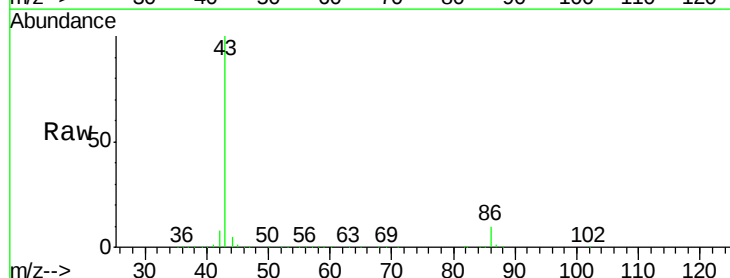
RT: 3.83 min Scan# 532

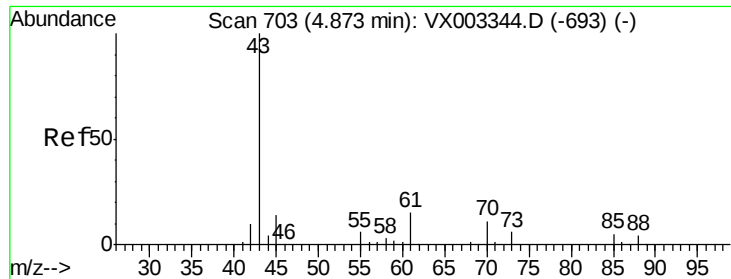
Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Tgt Ion:	43	Resp:	2437070
Ion Ratio	Lower	Upper	
43	100		
86	9.4	6.7	10.1





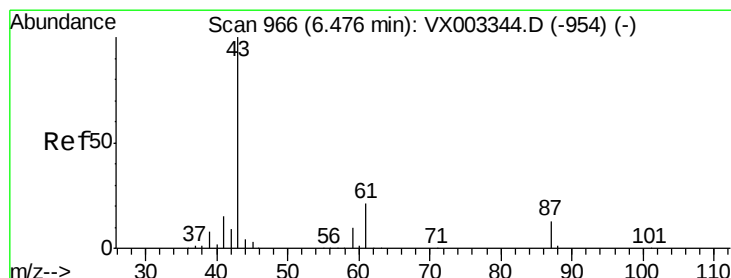
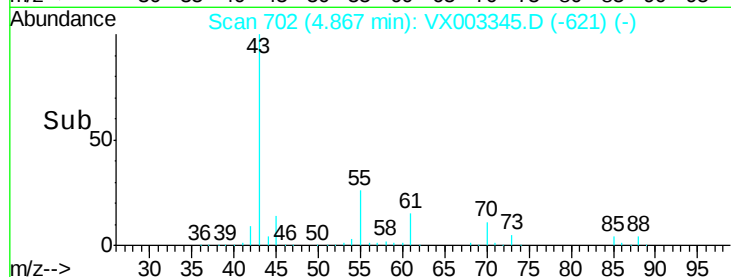
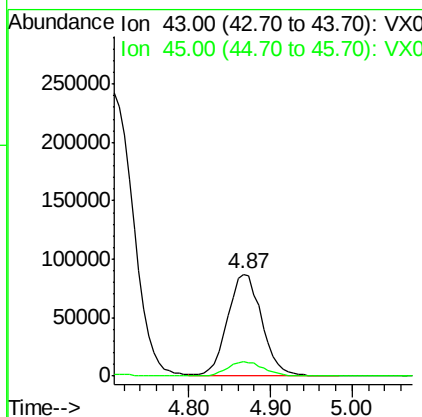
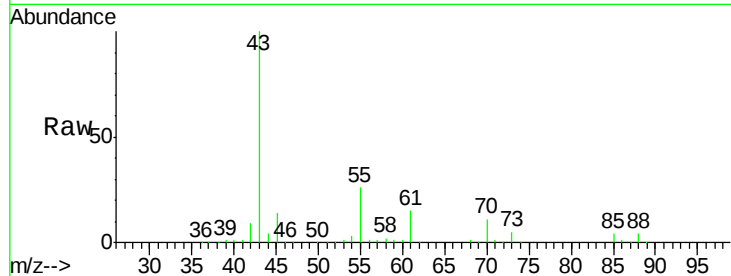
#43
Ethyl Acetate
Concen: 53.953 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 252570
Ion Ratio Lower Upper
43 100
45 15.1 11.0 16.4

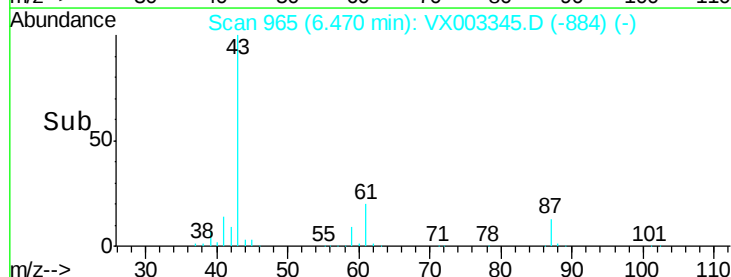
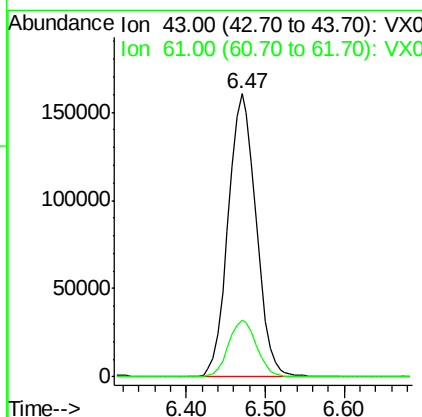
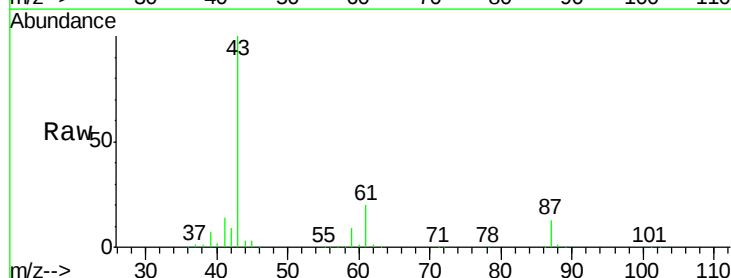
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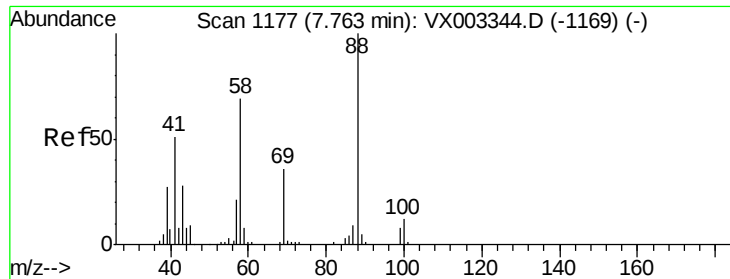
MMDadoda
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#44
Isopropyl Acetate
Concen: 50.354 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion: 43 Resp: 394955
Ion Ratio Lower Upper
43 100
61 20.3 14.5 21.7





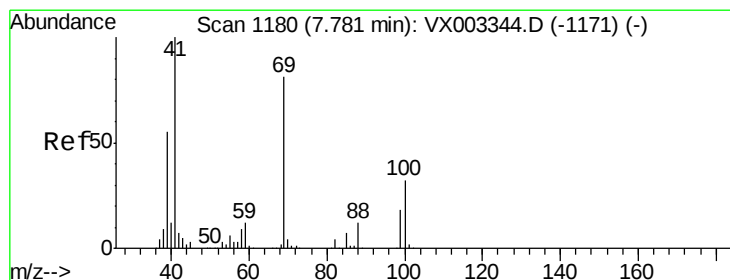
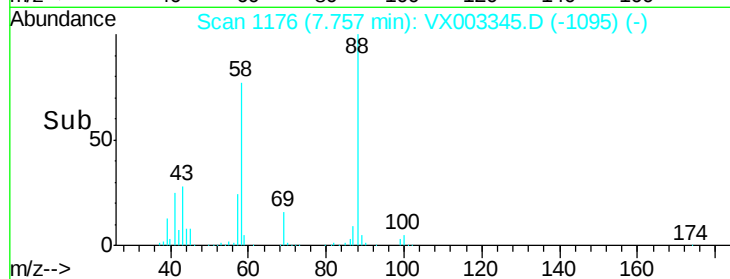
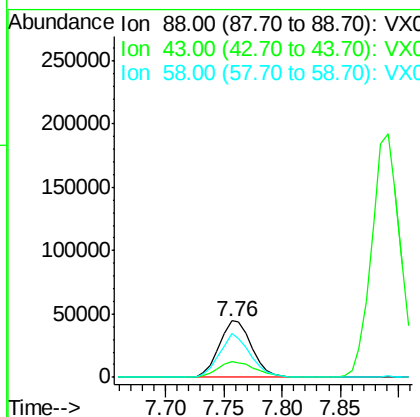
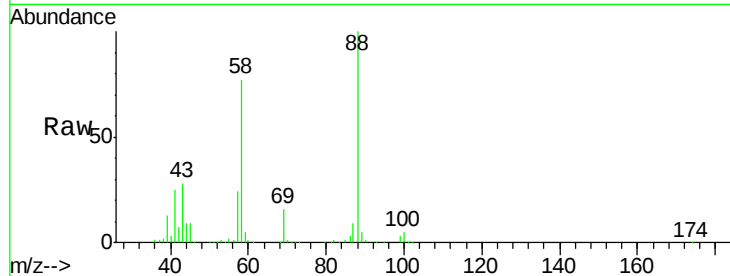
#45
 1,4-Dioxane
 Concen: 1124.775 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	43.2	64.8#
58	72.0	60.2	90.2

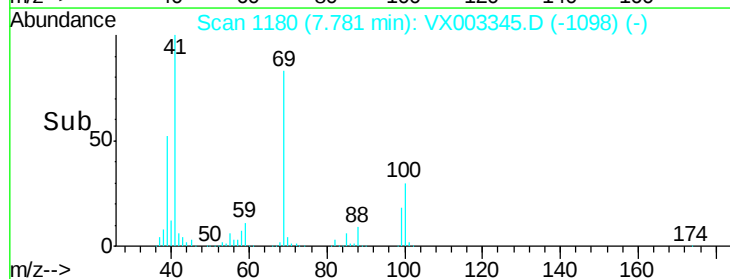
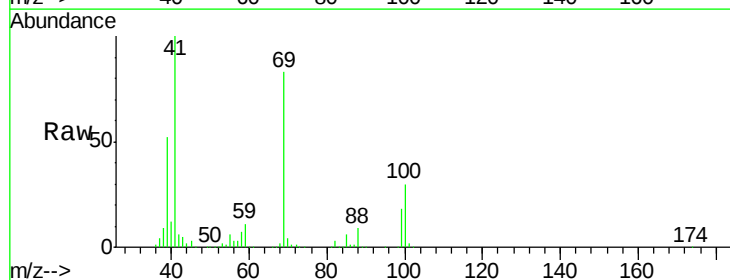
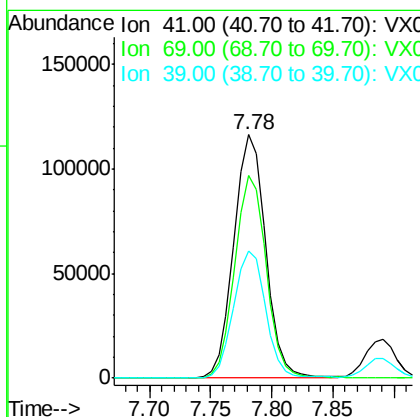
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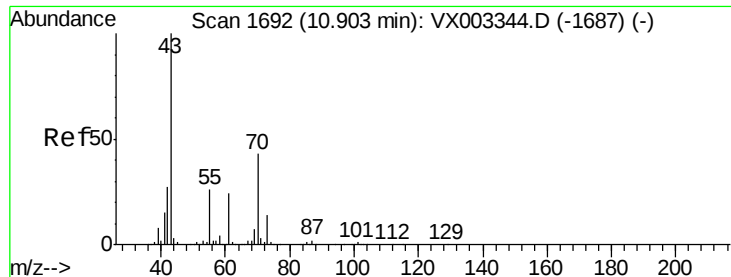
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#46
 Methyl methacrylate
 Concen: 52.306 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.2	37.0	110.9
39	52.3	29.6	88.9





#47

n-amvl Acetate

Concen: 46.941 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 347424

Ion Ratio Lower Upper

43 100

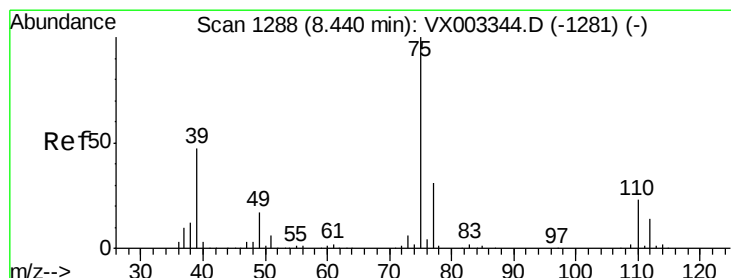
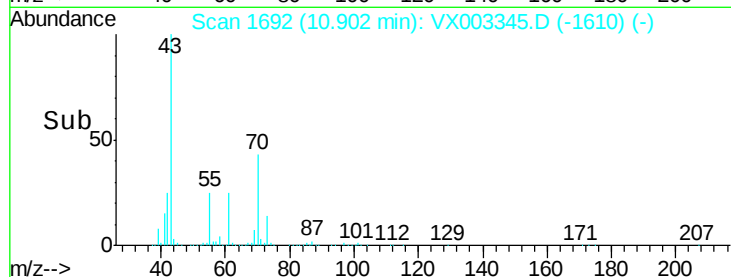
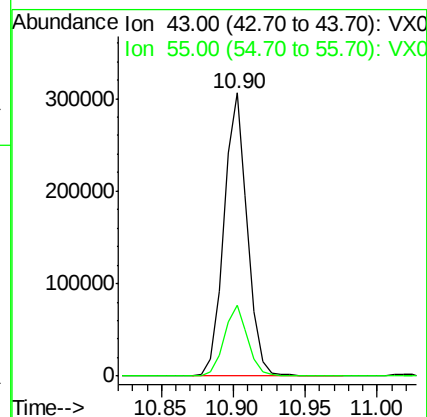
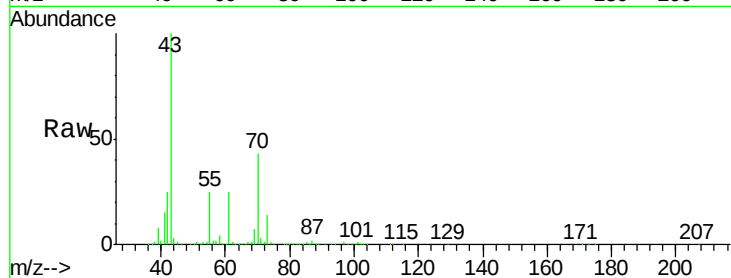
55 25.5 0.1 0.1#

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#48

t-1,3-Dichloropropene

Concen: 55.813 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003345.D

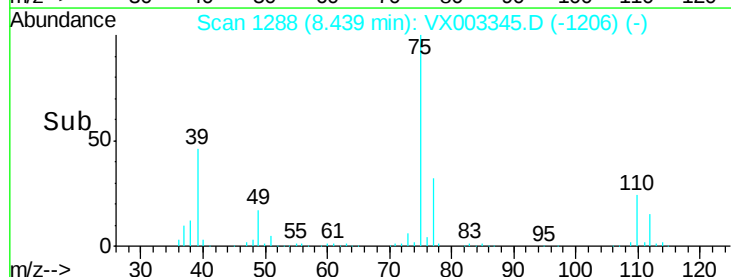
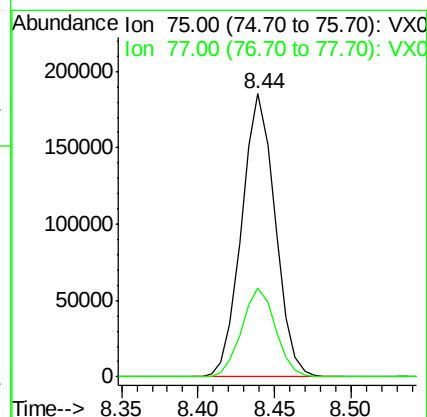
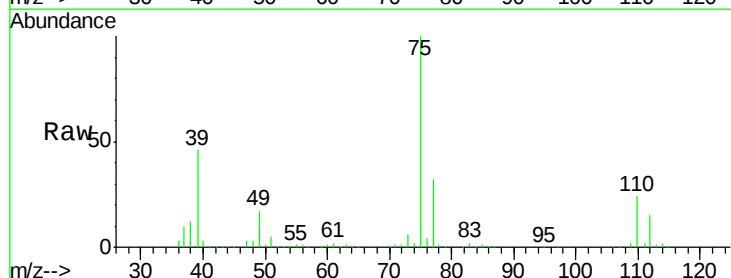
Acq: 12 Jul 2018 12:04

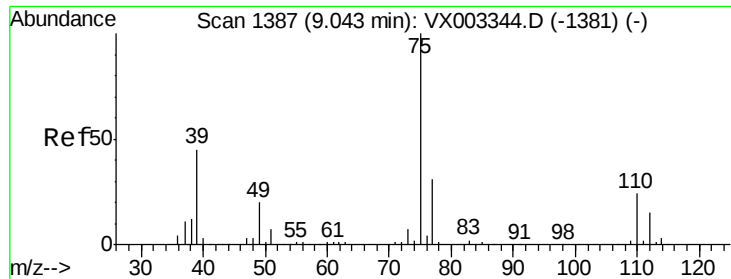
Tgt Ion: 75 Resp: 282567

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4





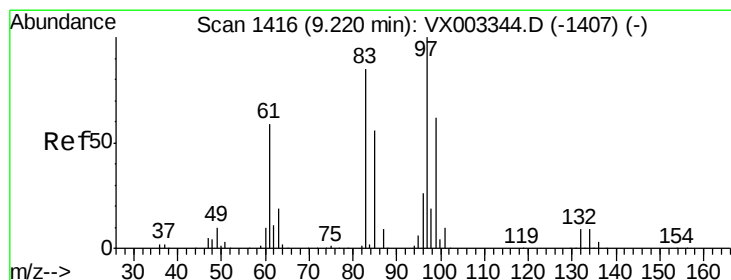
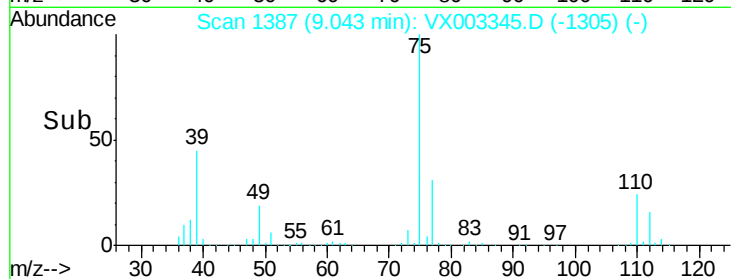
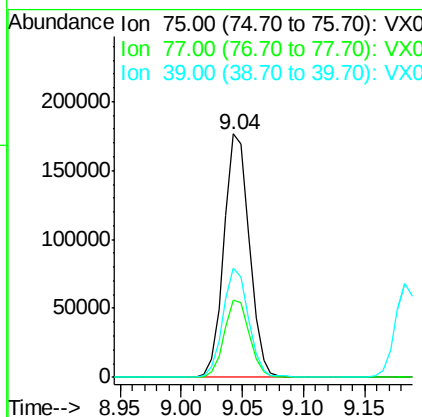
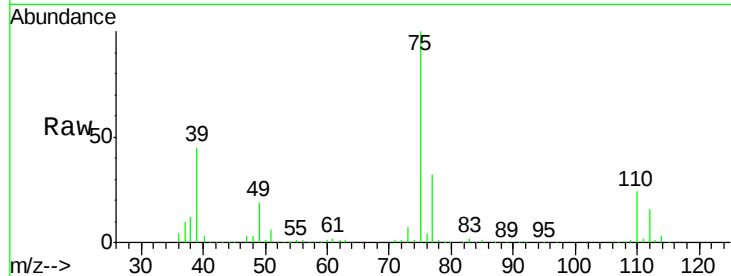
#49
 cis-1,3-Dichloropropene
 Concen: 53.652 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2
39	44.8	42.3	63.5

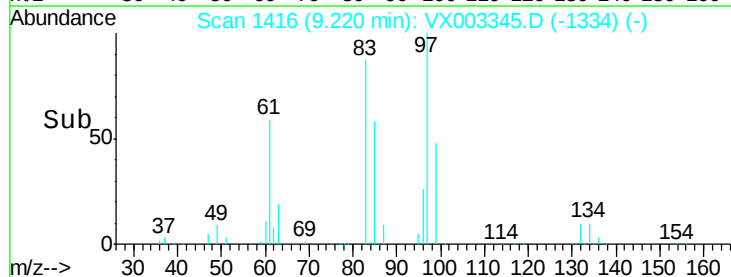
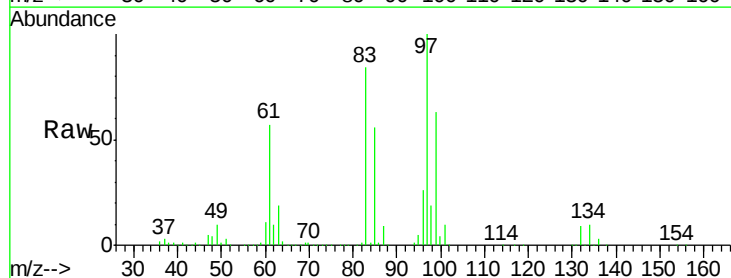
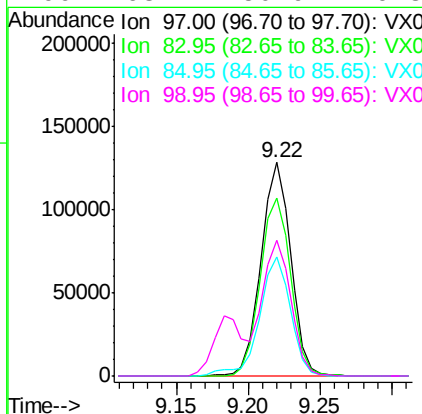
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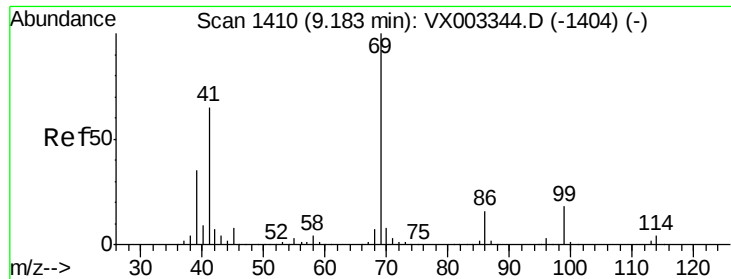
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#50
 1,1,2-Trichloroethane
 Concen: 53.939 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.5	70.8	106.2
85	55.8	43.5	65.3
99	63.1	50.9	76.3





#51

Ethyl methacrylate

Concen: 53.060 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

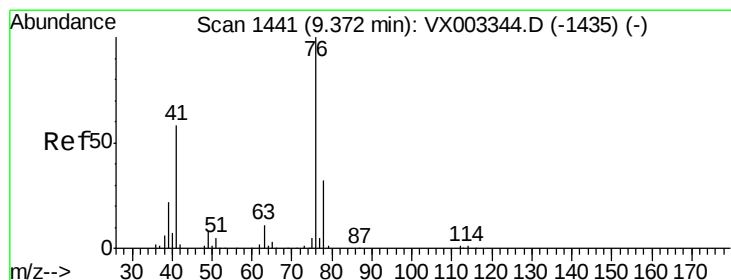
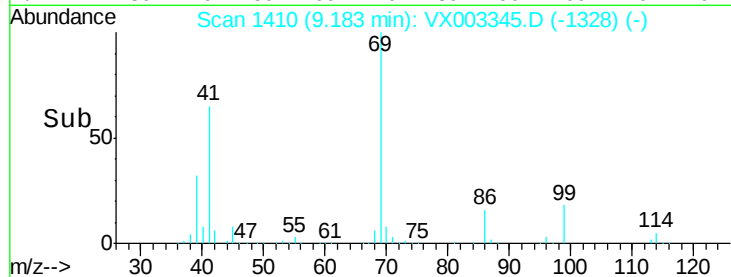
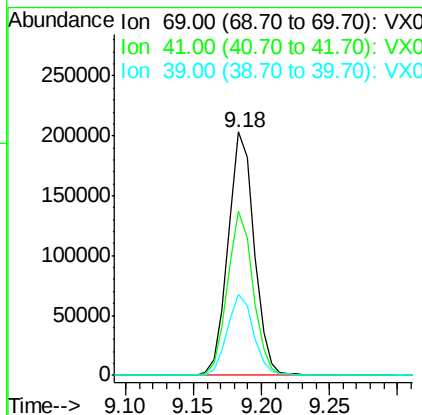
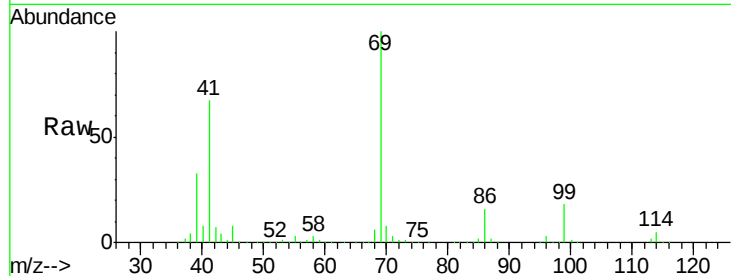
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	271226
Ion	Ratio	Lower	Upper
69	100		
41	67.4	39.1	117.3
39	33.4	21.7	65.1

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#52

1,3-Dichloropropane

Concen: 54.399 ug/l

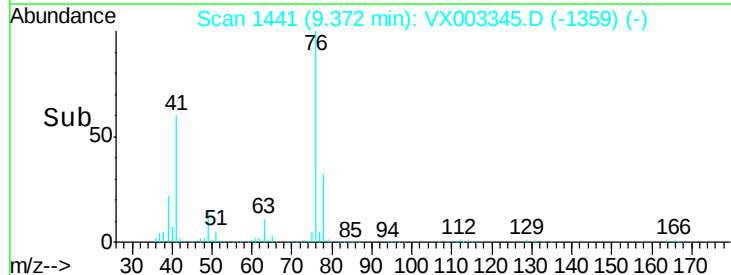
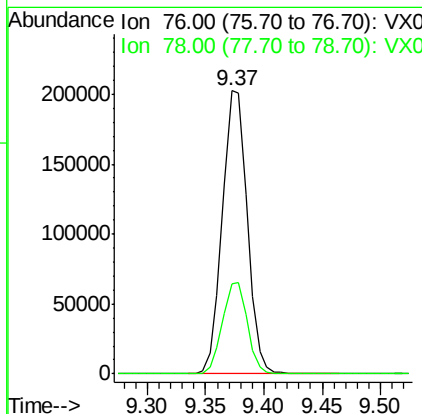
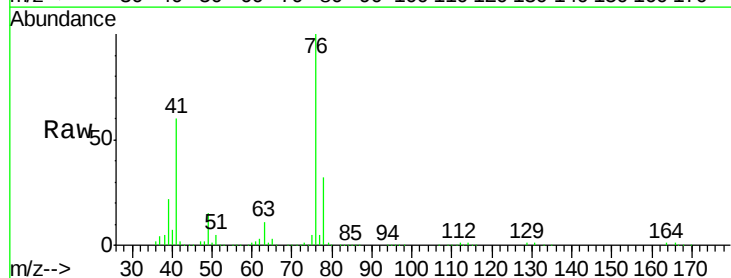
RT: 9.37 min Scan# 1441

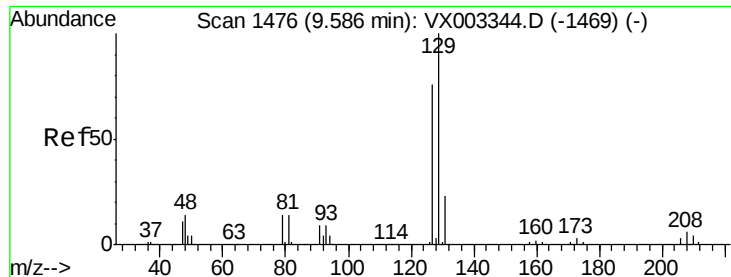
Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Tgt Ion:	76	Resp:	300880
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.4





#53

Dibromochloromethane

Concen: 51.384 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 184720

Ion Ratio Lower Upper

129 100

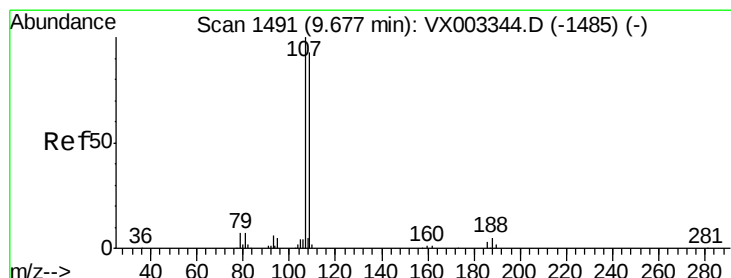
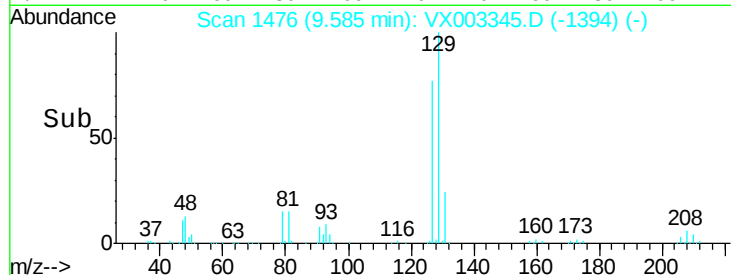
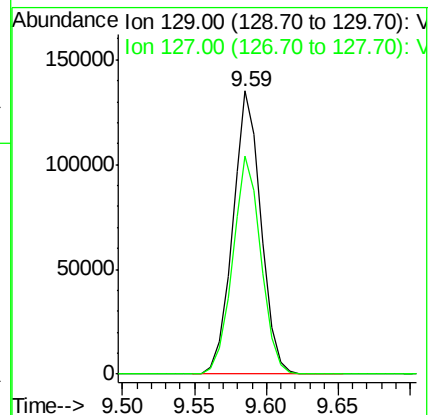
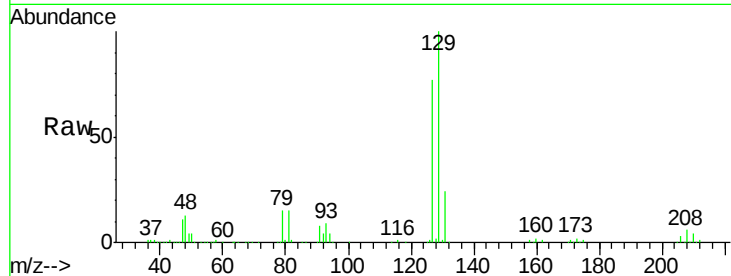
127 77.2 38.5 115.3

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#54

1,2-Dibromoethane

Concen: 53.023 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003345.D

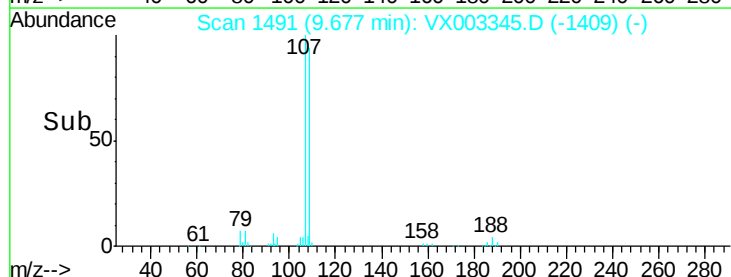
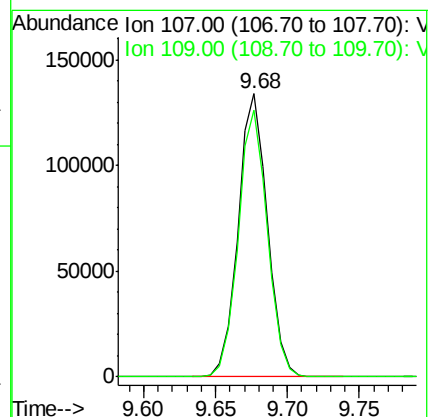
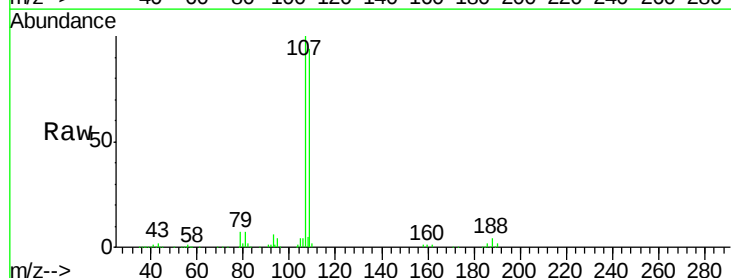
Acq: 12 Jul 2018 12:04

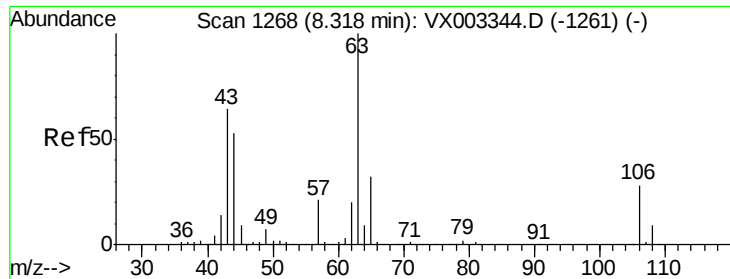
Tgt Ion:107 Resp: 189217

Ion Ratio Lower Upper

107 100

109 94.0 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 284.059 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

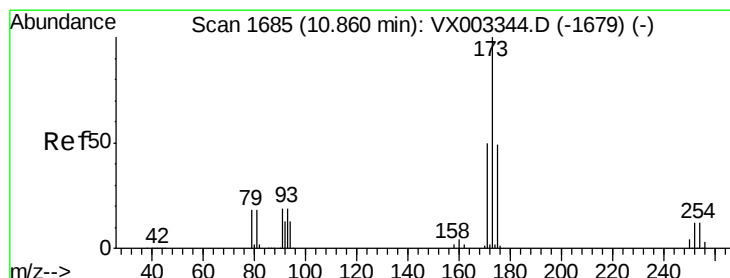
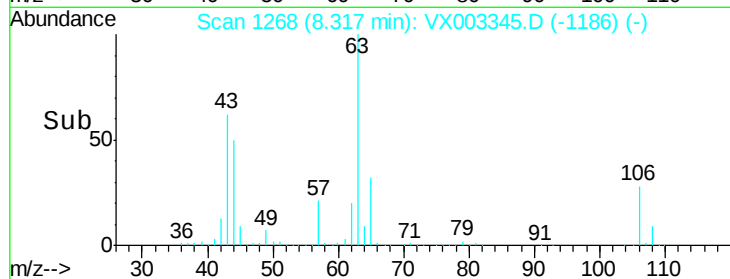
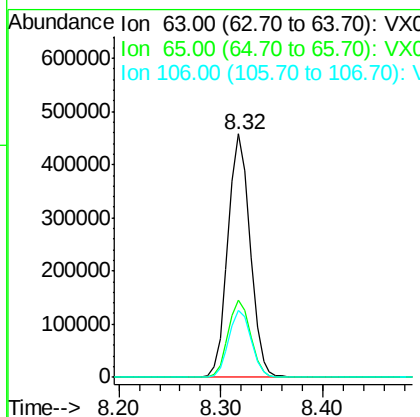
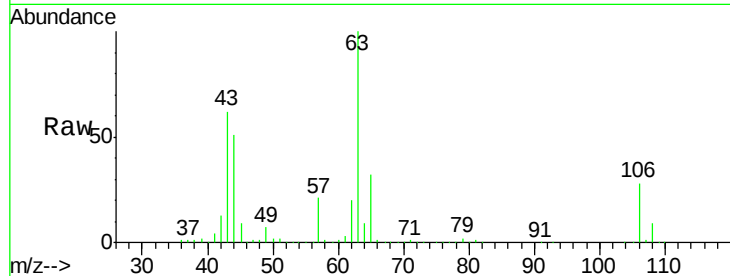
VSTDIC050

Tot Ion: 63 Resp: 689647

Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.6	38.4
106	27.9	21.6	32.4

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#56

Bromoform

Concen: 49.631 ug/l

RT: 10.86 min Scan# 1685

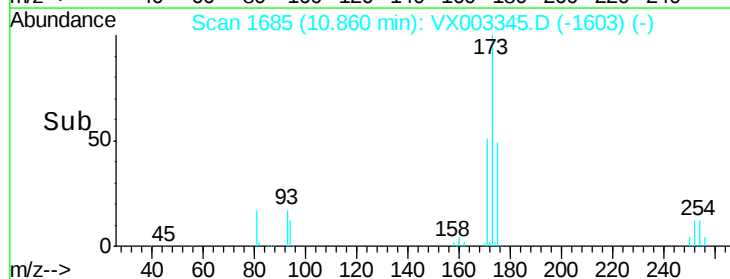
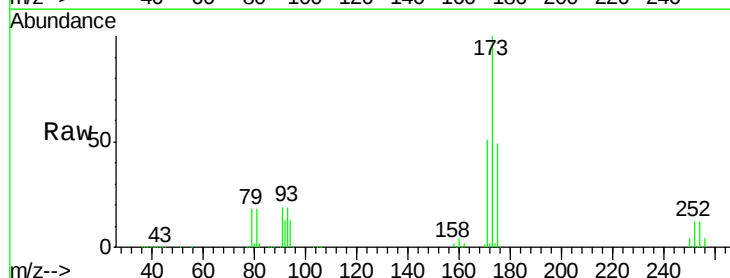
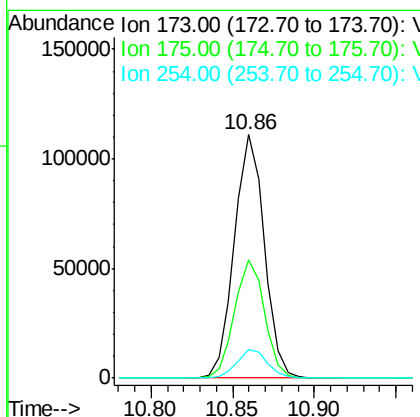
Delta R.T. -0.00 min

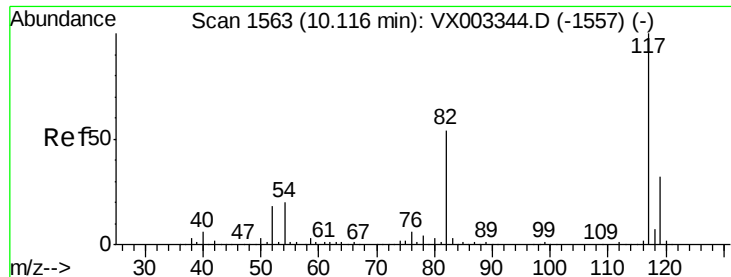
Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Tgt Ion: 173 Resp: 142432

Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.0	58.4
254	11.9	9.6	14.4





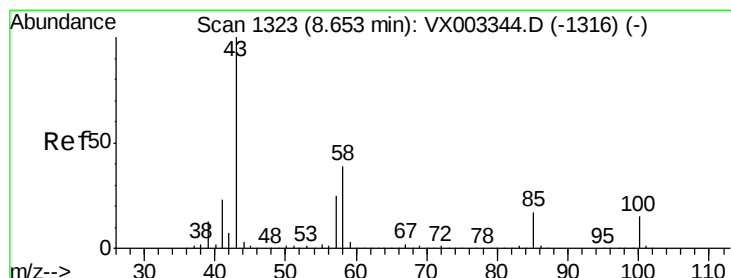
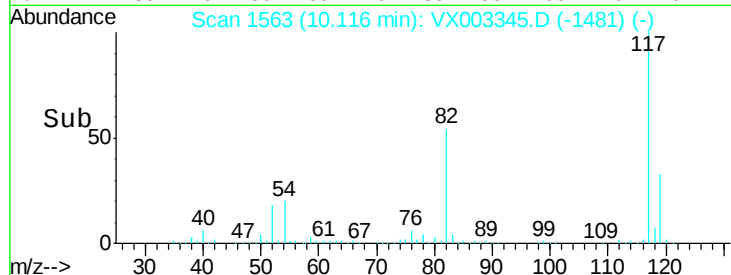
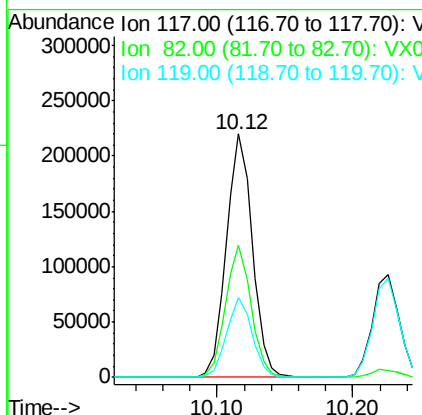
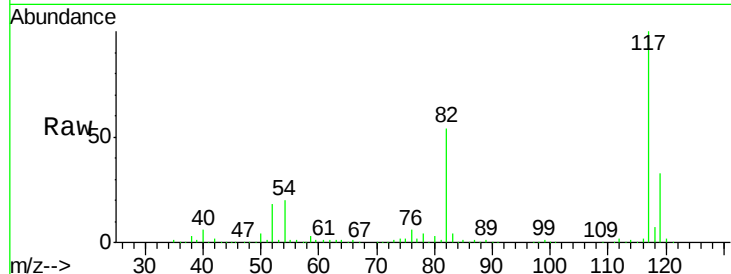
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.3	66.5
119	32.4	25.7	38.5

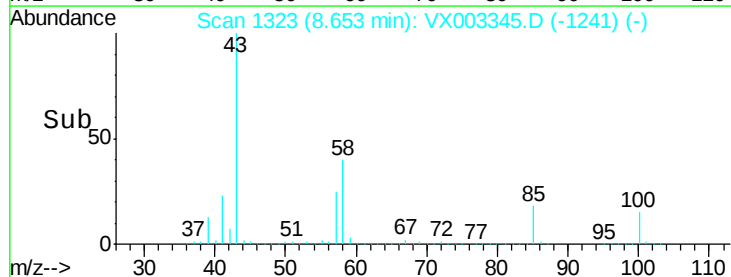
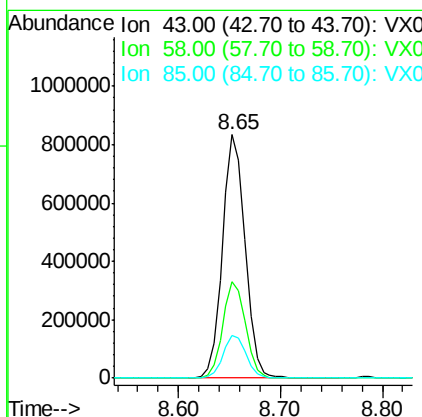
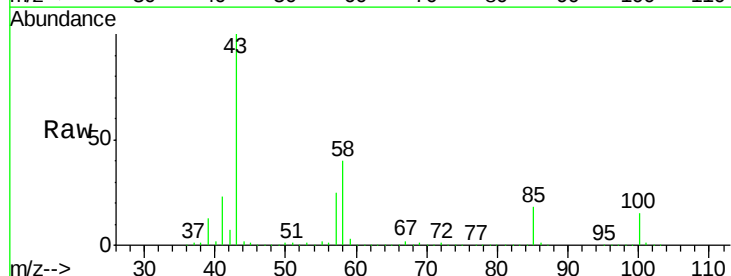
Manual Integrations
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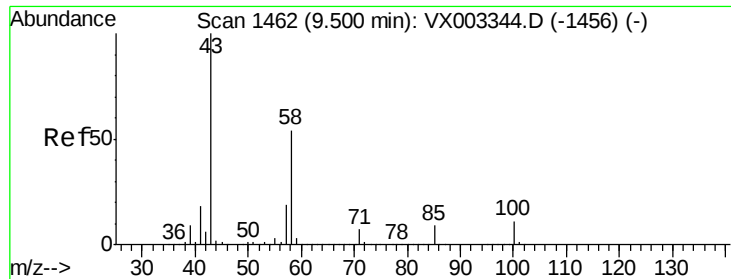
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 259.227 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	28.2	42.4
85	18.0	12.4	18.6





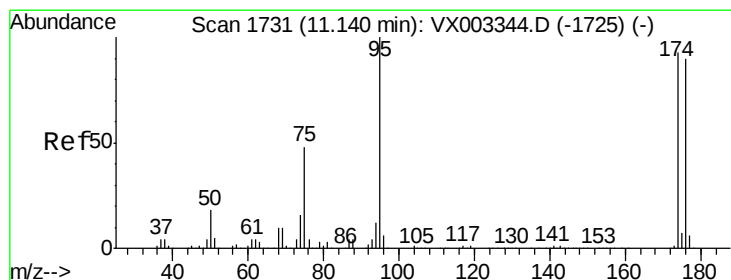
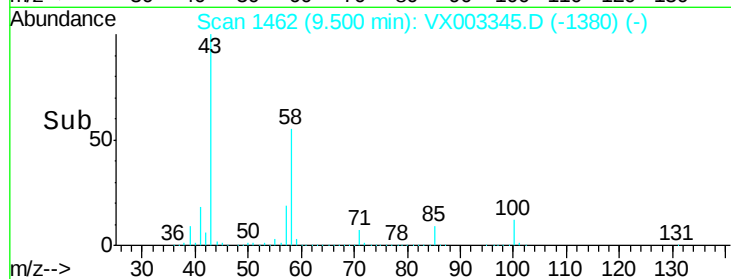
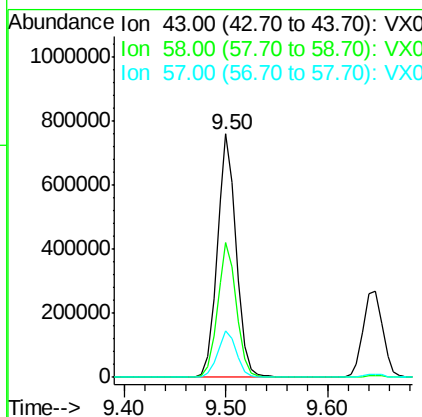
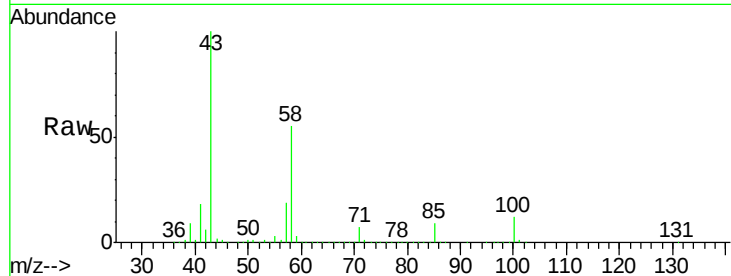
#59
2-Hexanone
Concen: 260.552 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	39.6	59.4
57	19.0	14.1	21.1

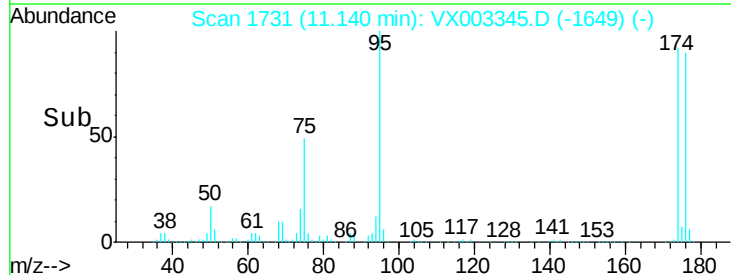
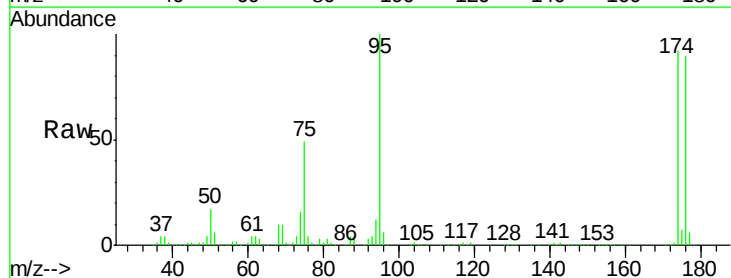
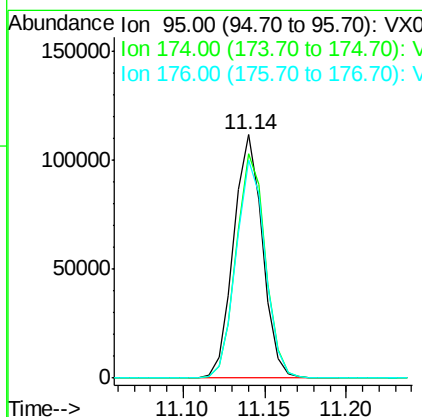
Manual Integrations
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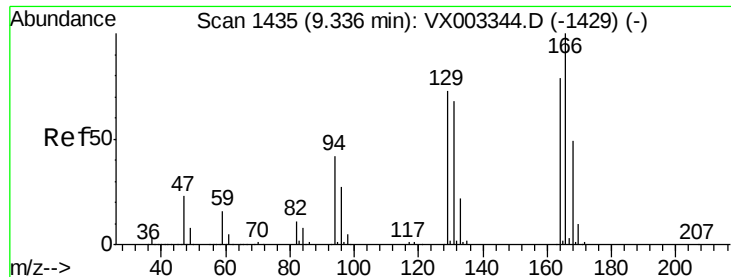
MMDadoda
7/13/2018 11:35:49 AM



#60
4-Bromofluorobenzene
Concen: 28.541 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	71.8	107.6
176	90.4	70.1	105.1





#61

Tetrachloroethene

Concen: 53.231 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 213461

Ion Ratio Lower Upper

164 100

166 127.9 102.4 153.6

129 86.4 70.1 105.1

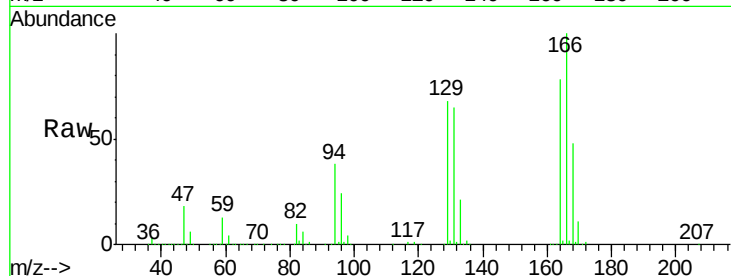
131 83.7 69.1 103.7

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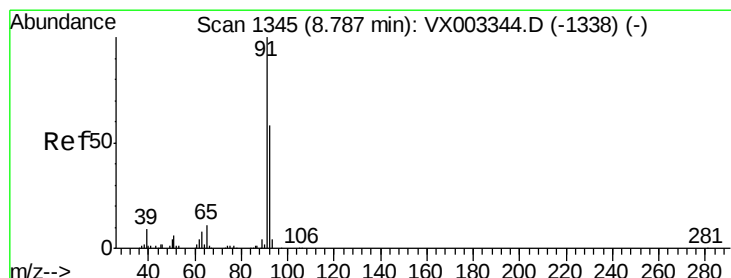
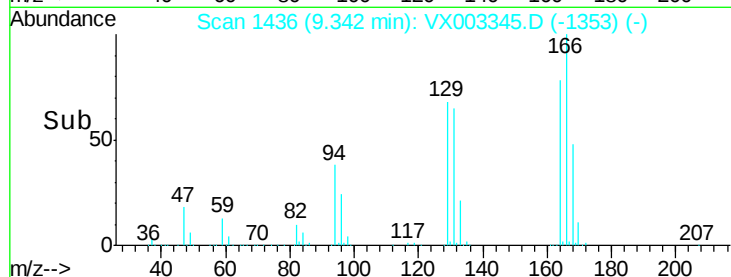
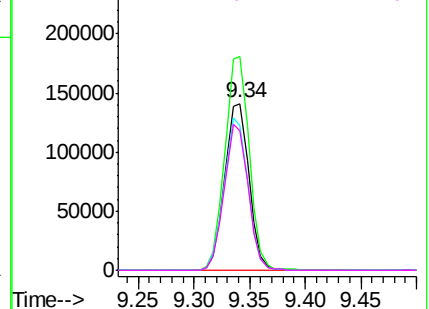


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 55.391 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003345.D

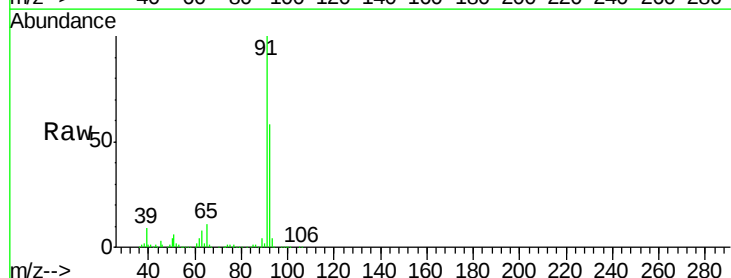
Acq: 12 Jul 2018 12:04

Tgt Ion: 91 Resp: 780147

Ion Ratio Lower Upper

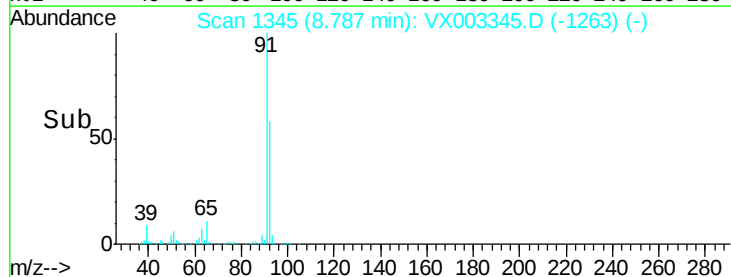
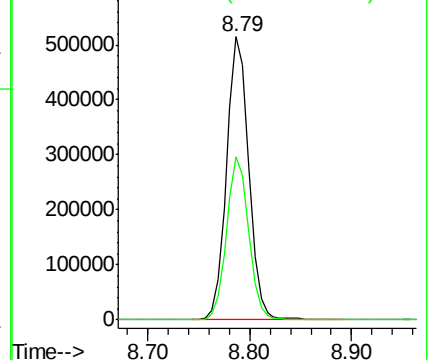
91 100

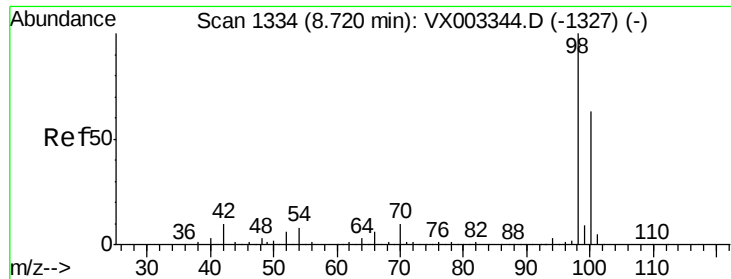
92 57.6 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.606 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 377886

Ion Ratio Lower Upper

98 100

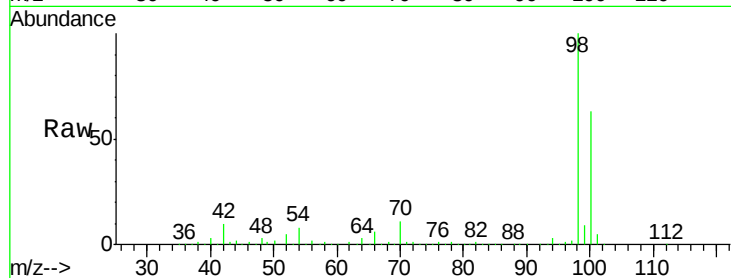
100 63.7 50.8 76.2

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

250000

200000

150000

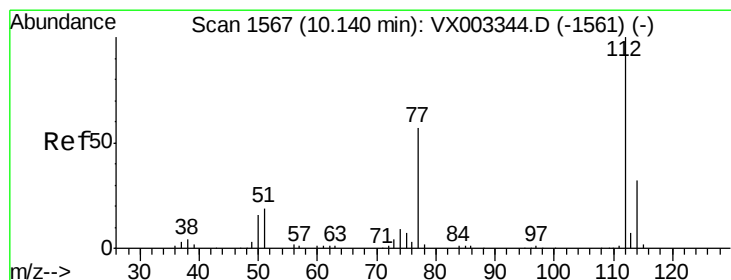
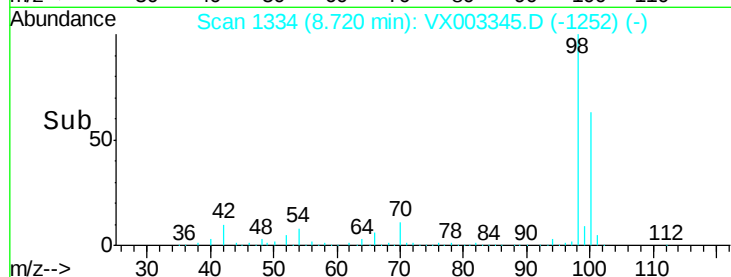
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 55.237 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003345.D

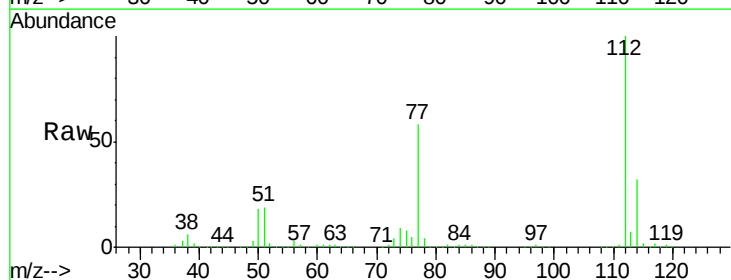
Acq: 12 Jul 2018 12:04

Tgt Ion: 112 Resp: 516892

Ion Ratio Lower Upper

112 100

114 32.3 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

400000

300000

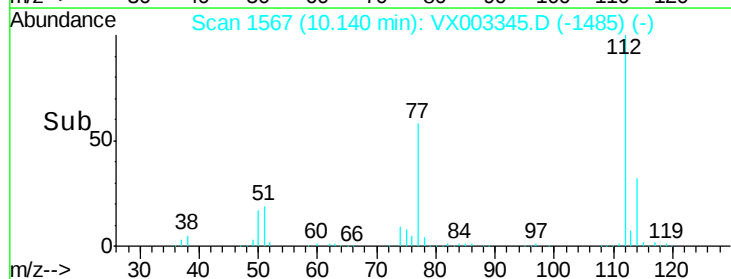
200000

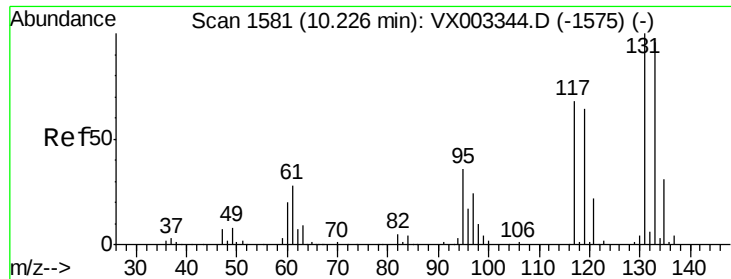
100000

0

10.10 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 54.787 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:131 Resp: 187919

Ion Ratio Lower Upper

131 100

133 94.9 0.0 191.2

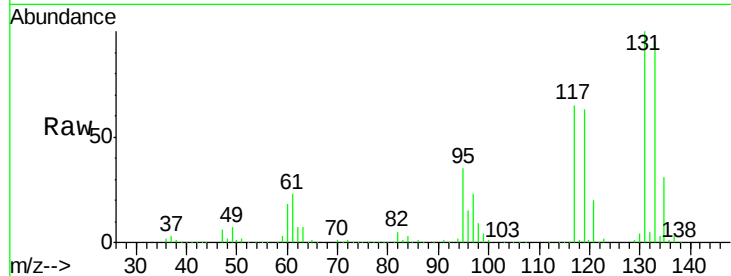
119 64.6 0.0 125.4

Manual Integrations

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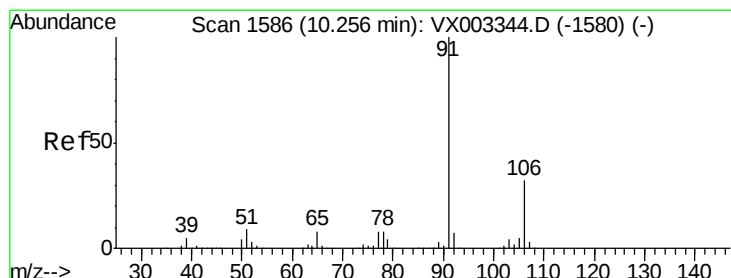
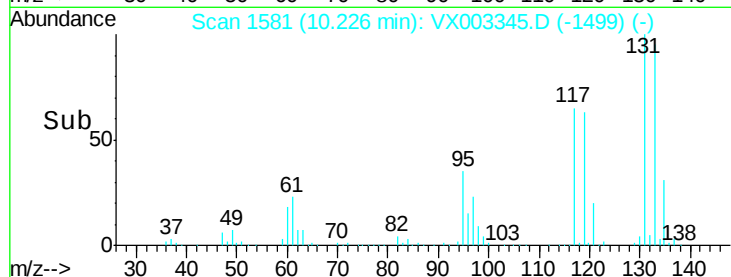
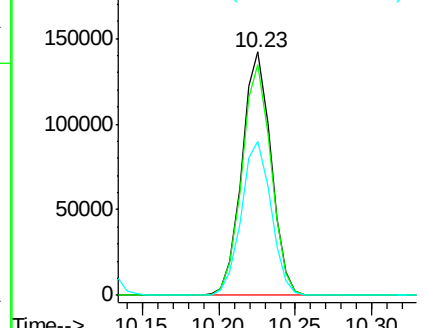
7/13/2018 11:35:49 AM



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: 55.741 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003345.D

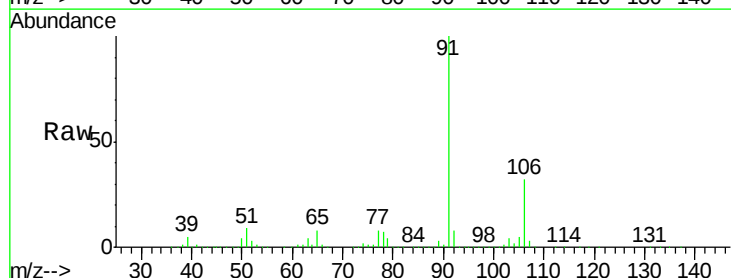
Acq: 12 Jul 2018 12:04

Tgt Ion: 91 Resp: 884166

Ion Ratio Lower Upper

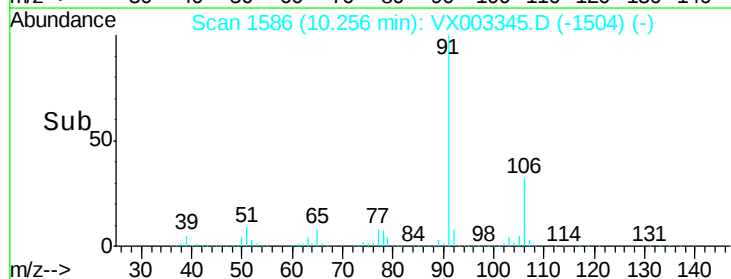
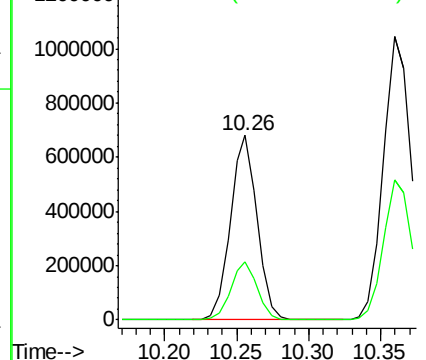
91 100

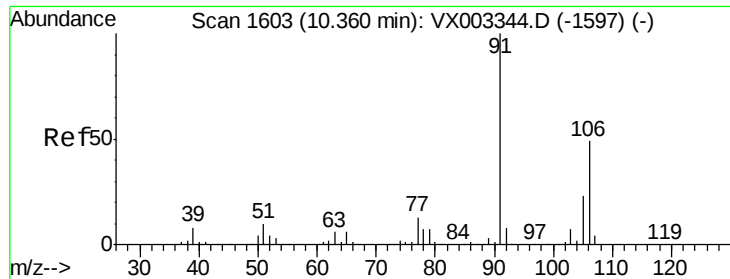
106 31.7 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





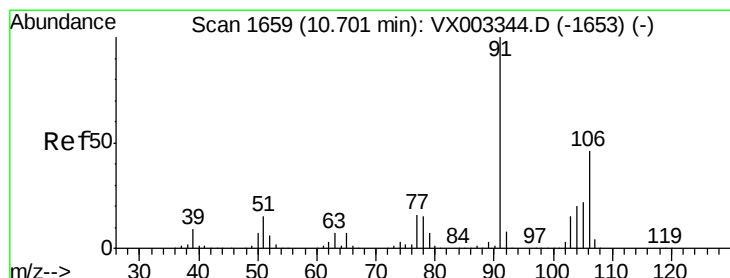
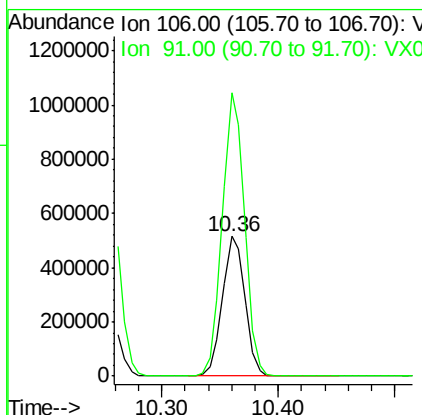
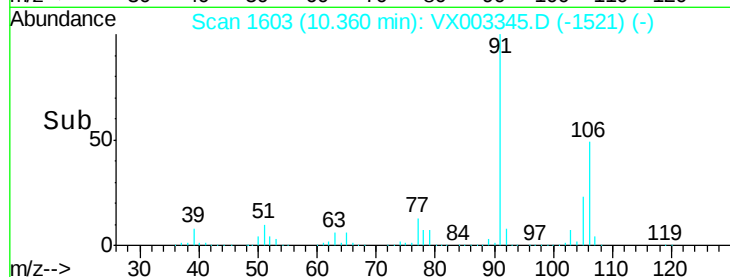
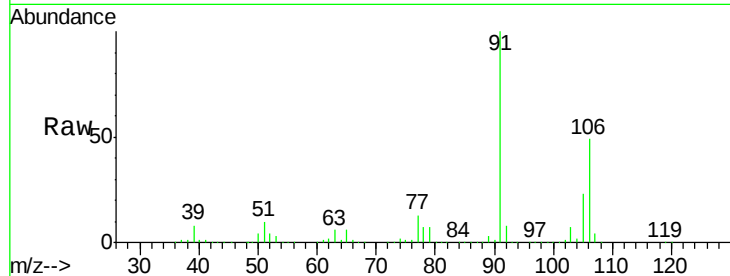
#67
m/p-Xvlenes
Concen: 111.572 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 687749
Ion Ratio Lower Upper
106 100
91 200.3 164.1 246.1

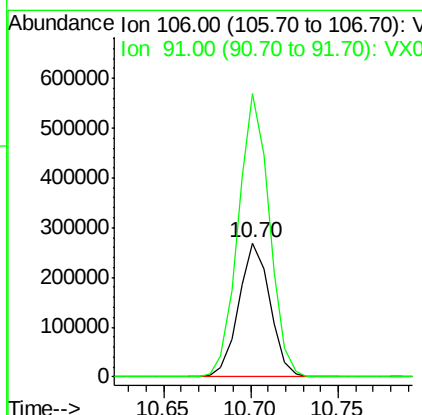
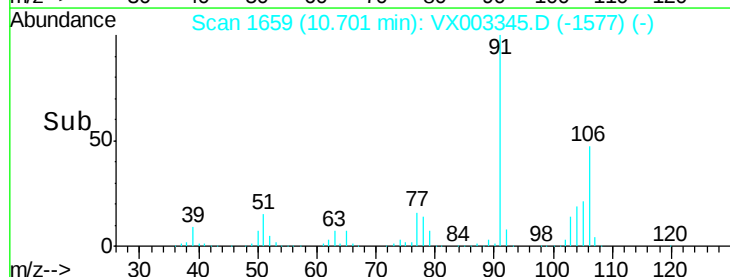
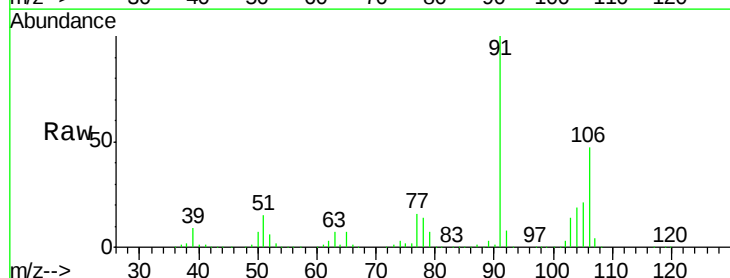
Manual Integrations
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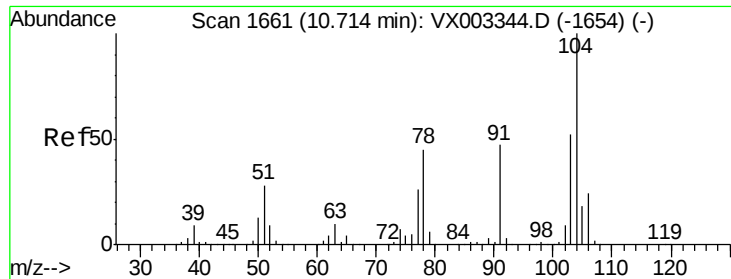
MMDadoda
7/13/2018 11:35:49 AM



#68
o-Xylene
Concen: 55.666 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion:106 Resp: 334303
Ion Ratio Lower Upper
106 100
91 210.0 109.1 327.3





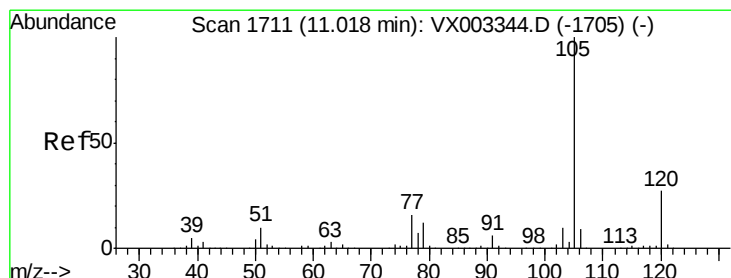
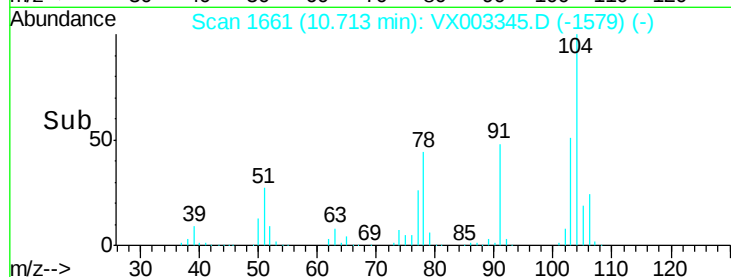
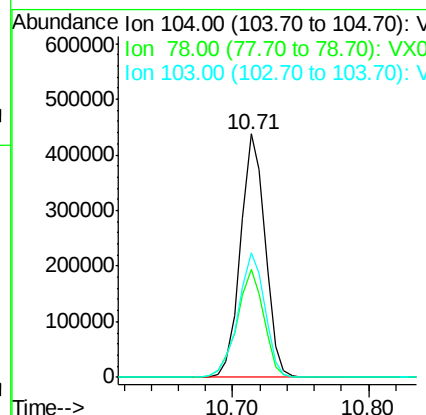
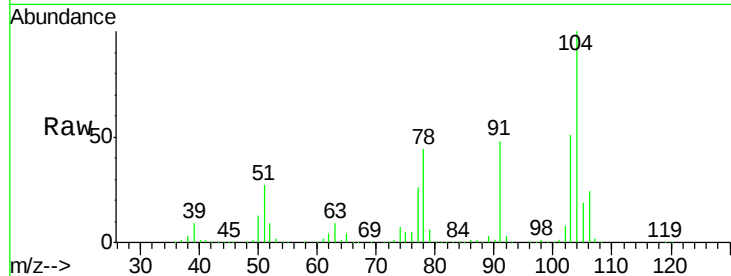
#69
Stvrene
Concen: 55.062 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	41.8	62.8
103	55.7	44.9	67.3

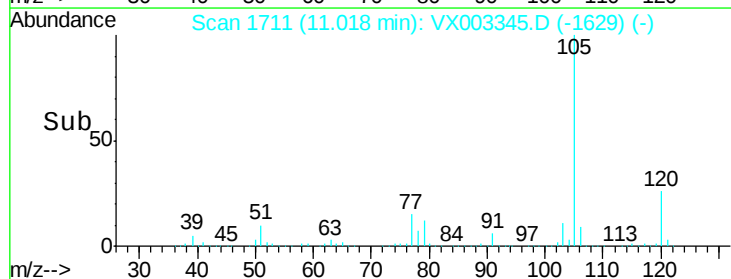
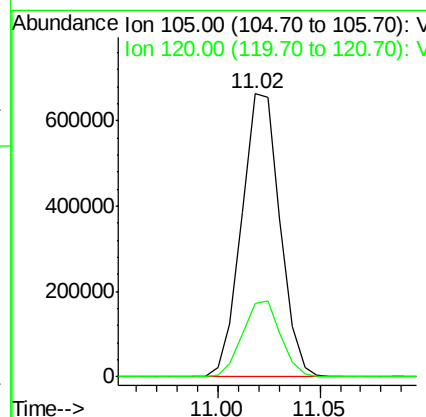
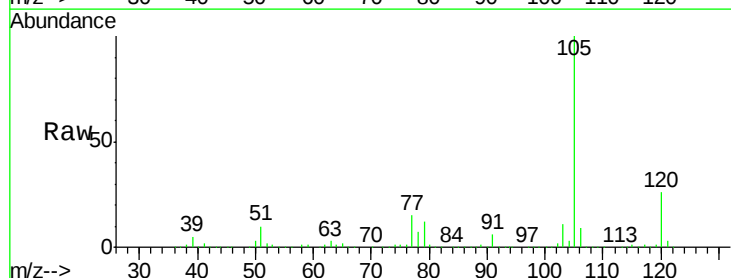
Manual Integrations
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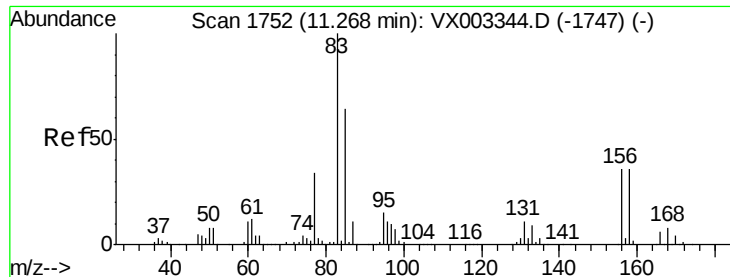
MMDadoda
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#70
Isopropylbenzene
Concen: 52.265 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.0	35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 53.866 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

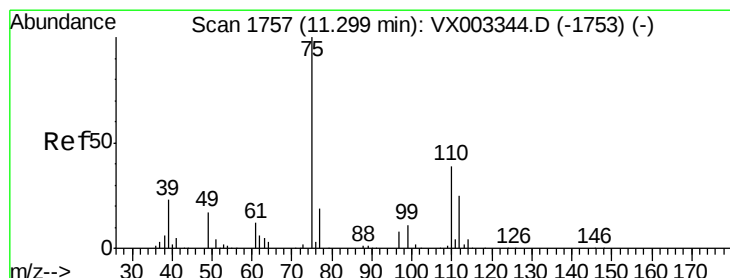
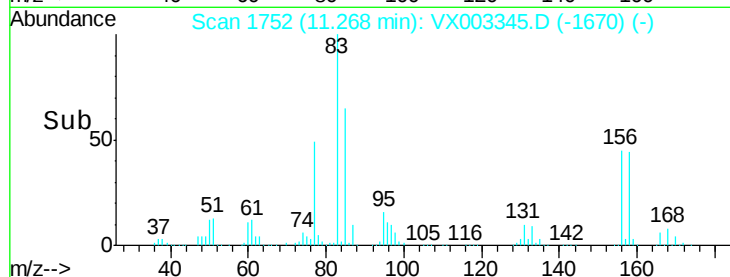
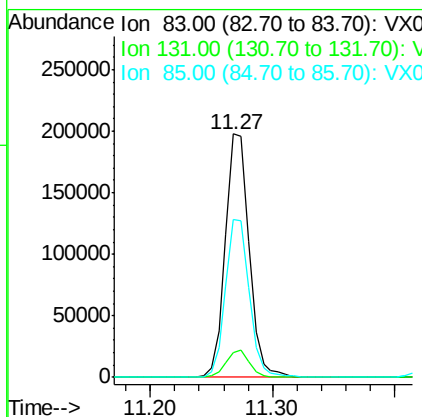
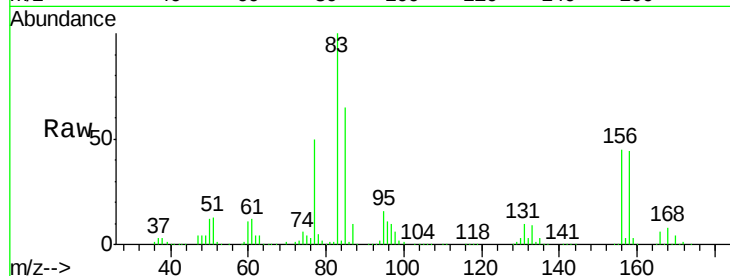
ClientSampled :

VSTDIC050

Tot Ion:	83	Resp:	266661
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	65.0	32.4	97.2

Manual Integrations
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7/13/2018 11:35:49 AM



#72

1,2,3-Trichloropropane

Concen: 73.200 ug/l

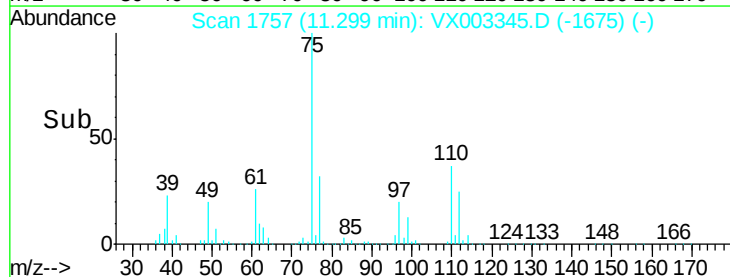
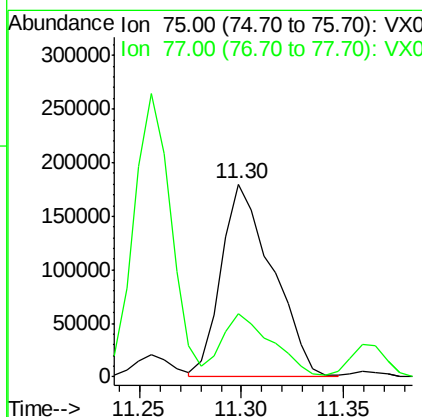
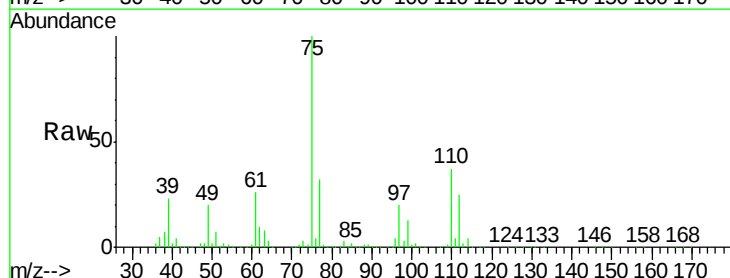
RT: 11.30 min Scan# 1757

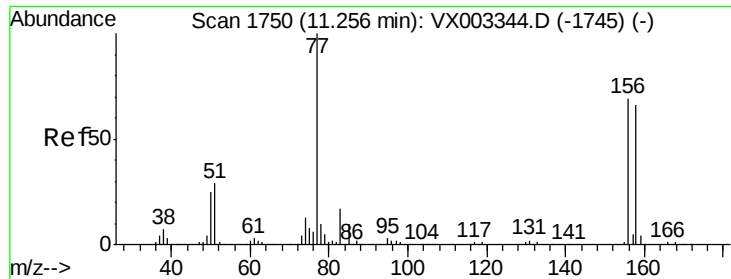
Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Tgt Ion:	75	Resp:	314131
Ion Ratio	Lower	Upper	
75	100		
77	31.8	0.0	71.8





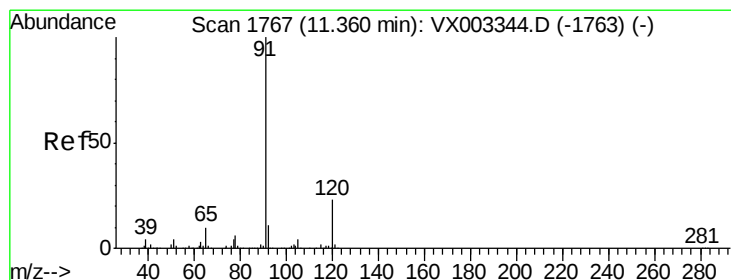
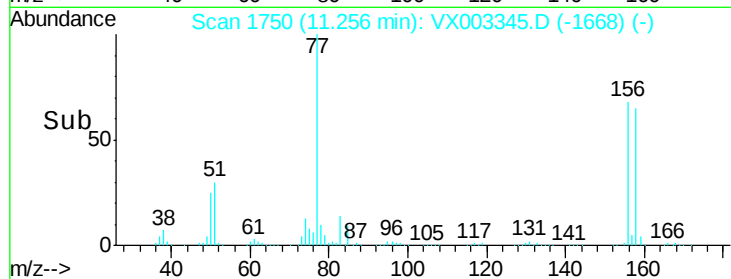
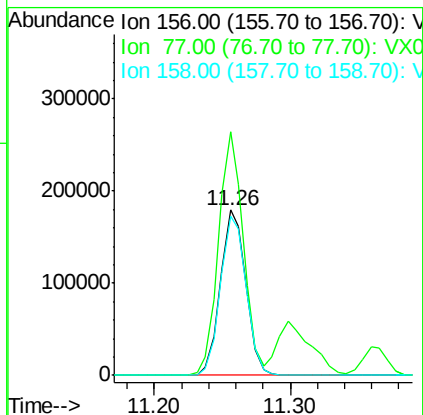
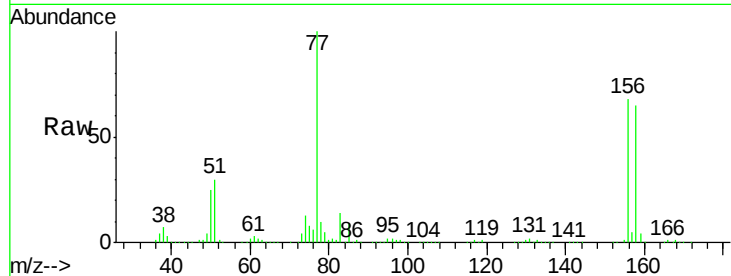
#73
Bromobenzene
Concen: 50.297 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.1	0.0	301.0
158	97.6	0.0	196.2

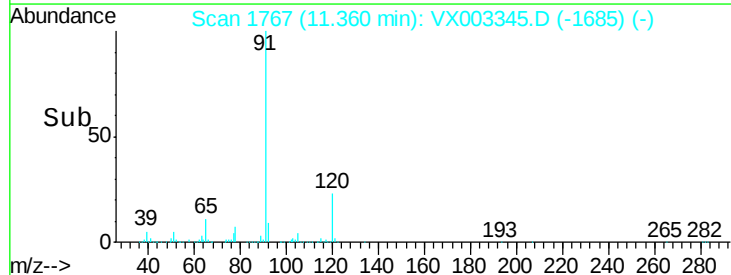
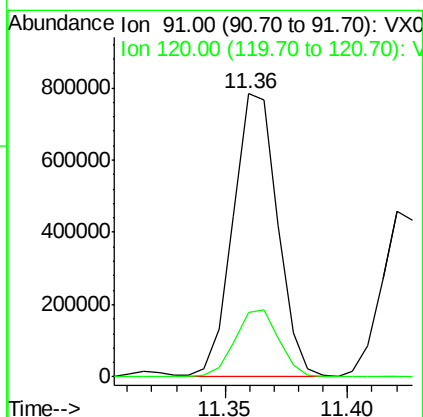
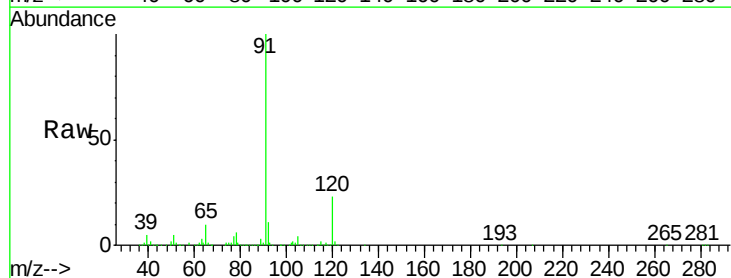
Manual Integrations
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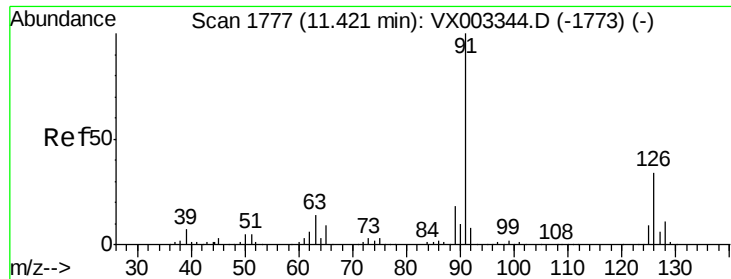
MMDadoda
7/13/2018 11:35:49 AM



#74
n-propylbenzene
Concen: 51.697 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	0.0	46.2





#75

2-Chlorotoluene

Concen: 52.640 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 588908

Ion Ratio Lower Upper

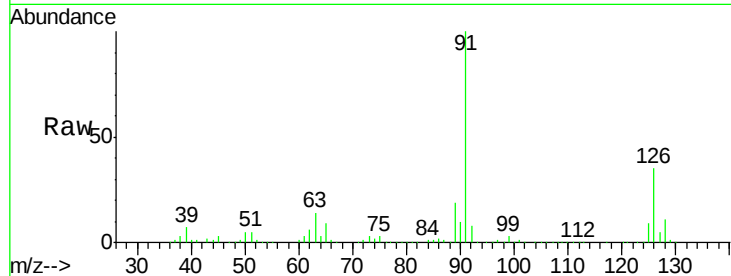
91 100

126 35.3 0.0 69.4

Manual Integrations
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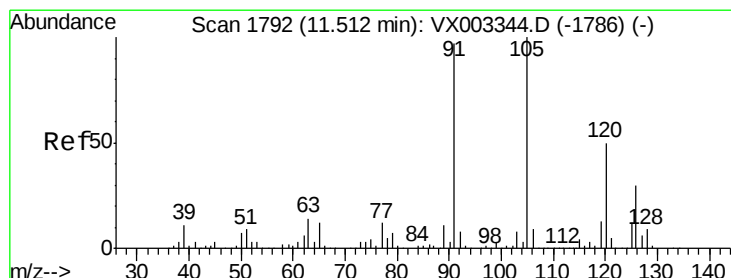
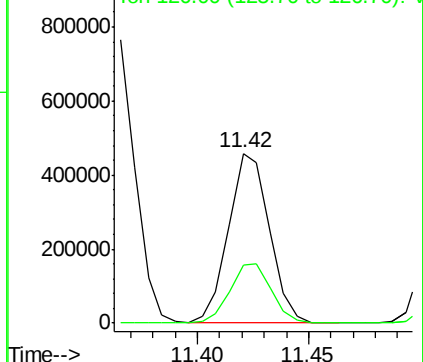
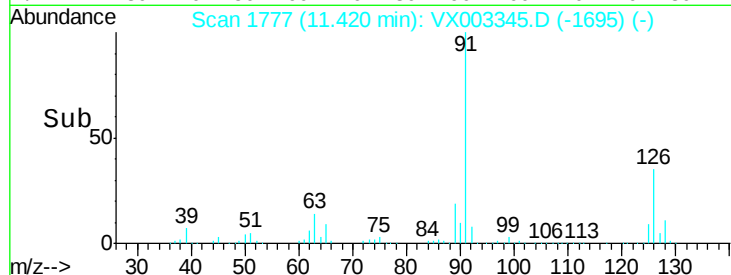
MMDadoda

7/13/2018 11:35:49 AM



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: 51.357 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003345.D

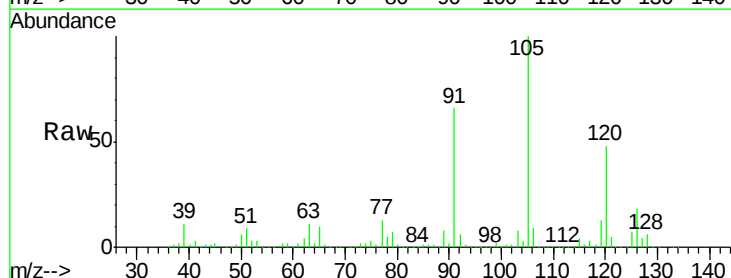
Acq: 12 Jul 2018 12:04

Tgt Ion: 105 Resp: 722136

Ion Ratio Lower Upper

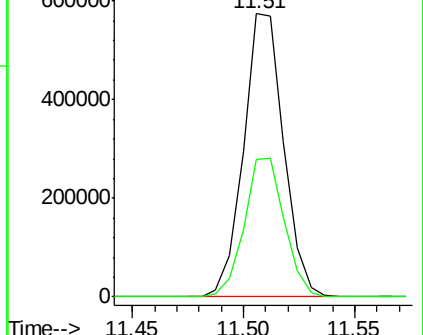
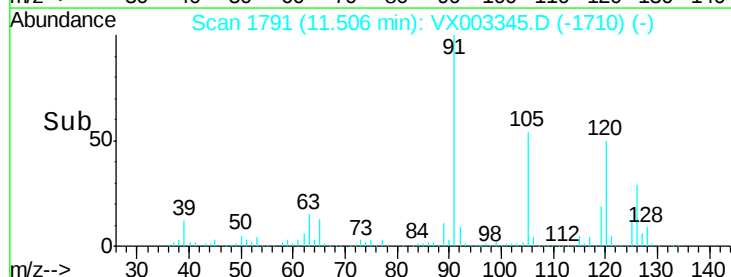
105 100

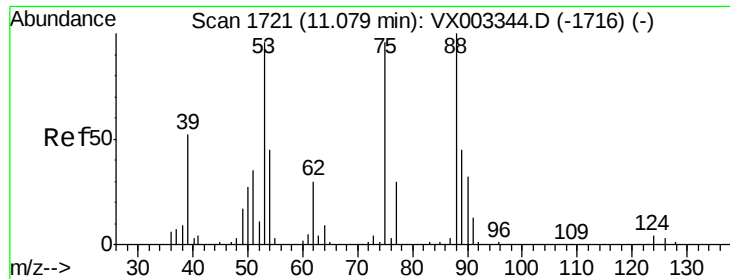
120 49.0 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





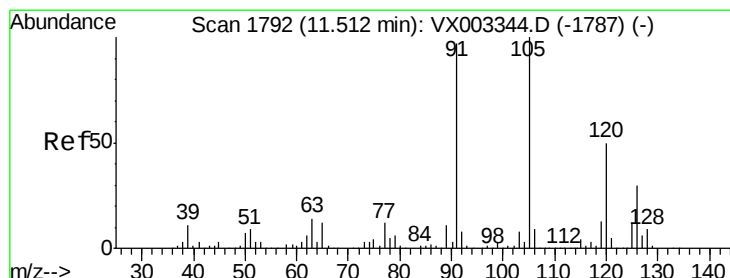
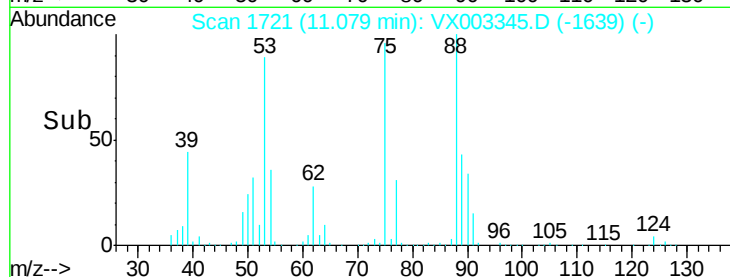
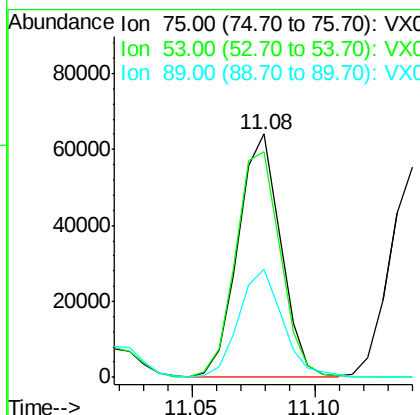
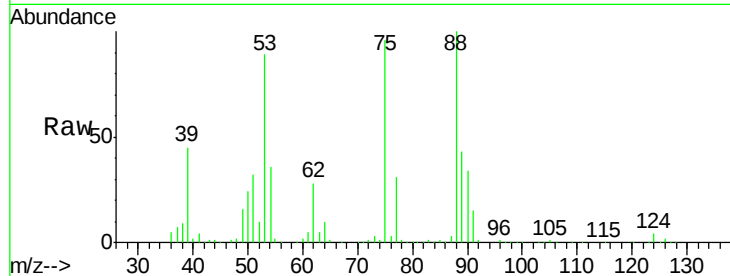
#77
t-1,4-Dichloro-2-butene
Concen: 56.392 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	48.3	144.9
89	44.4	21.8	65.4

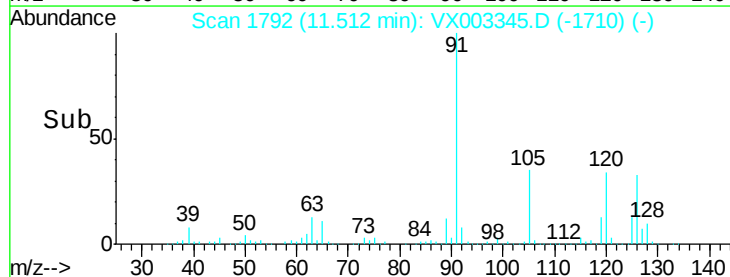
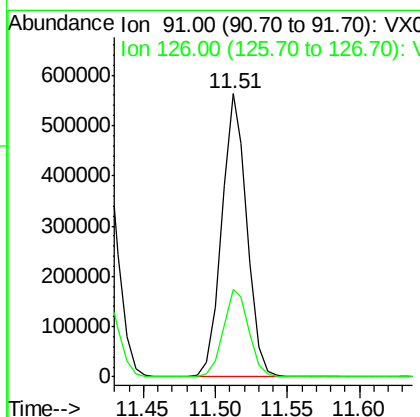
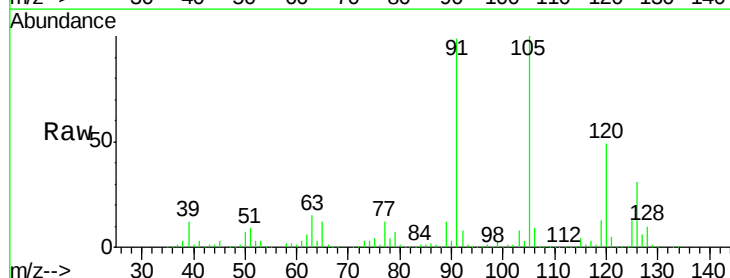
Manual Integrations
APPROVED

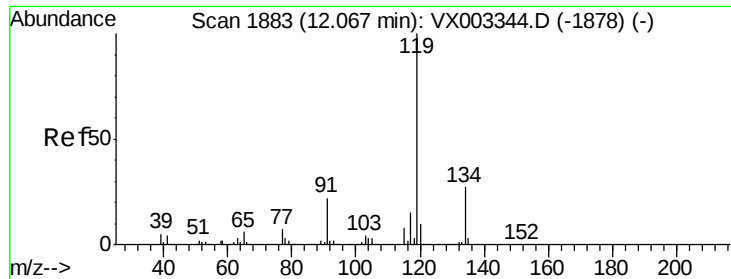
MMDadoda
7/13/2018 11:35:49 AM



#78
4-Chlorotoluene
Concen: 51.831 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	0.0	61.0





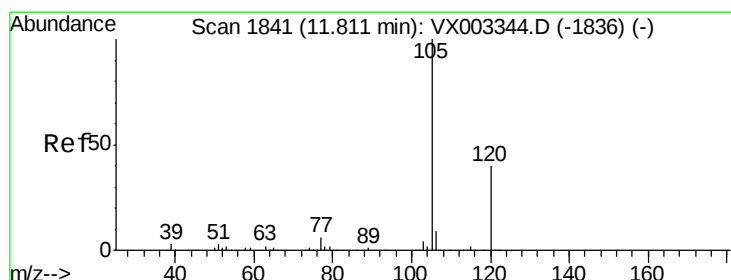
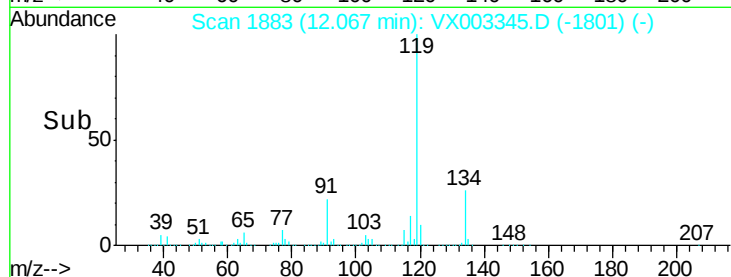
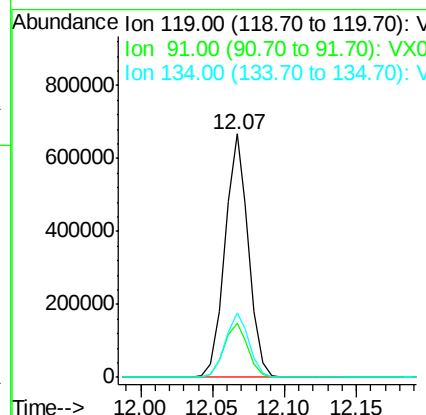
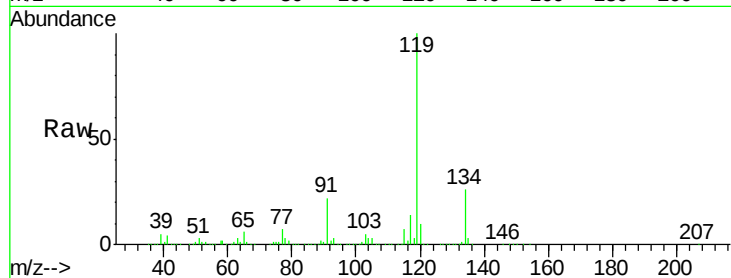
#79
tert-butylbenzene
Concen: 49.142 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	762107		
91	22.4	0.0	48.0	
134	26.7	0.0	52.6	

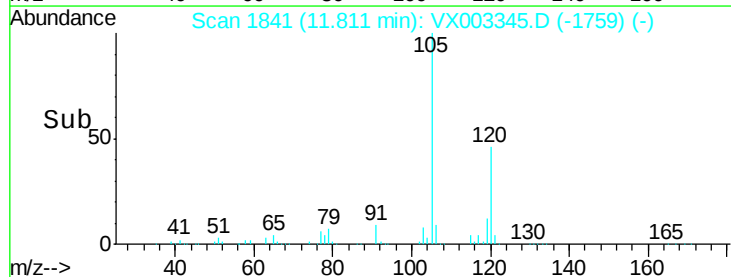
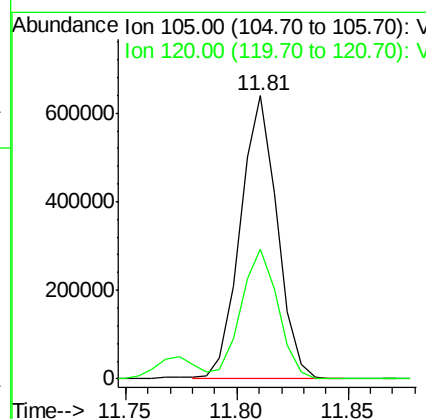
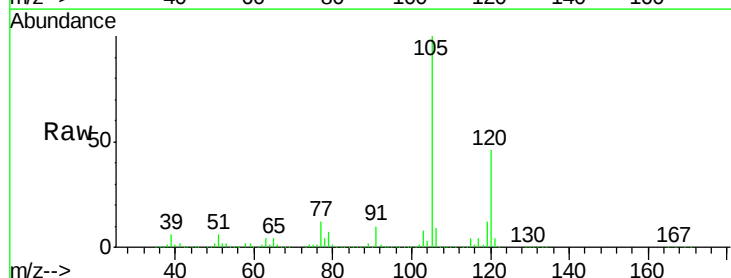
Manual Integrations
APPROVED

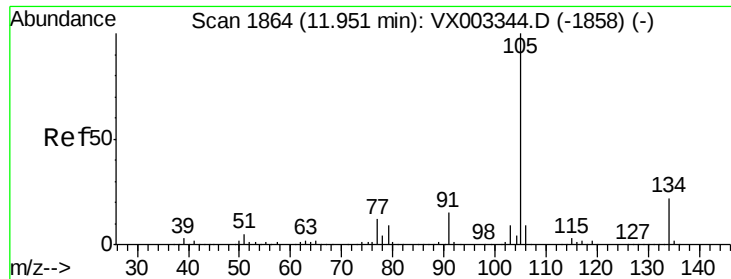
MMDadoda
7/13/2018 11:35:49 AM



#80
1,2,4-Trimethylbenzene
Concen: 51.237 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	735668		
120	46.3	0.0	89.2	





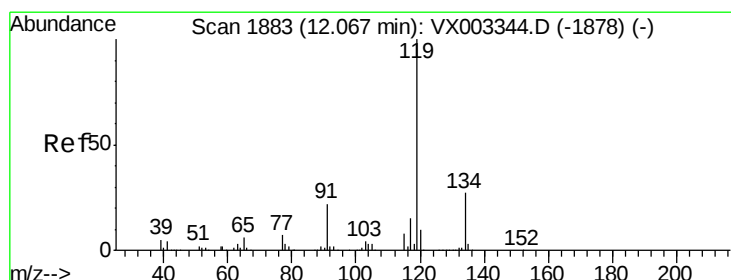
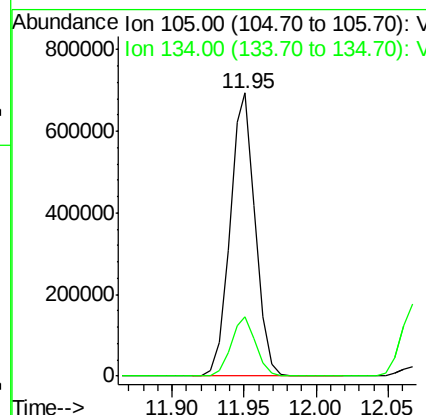
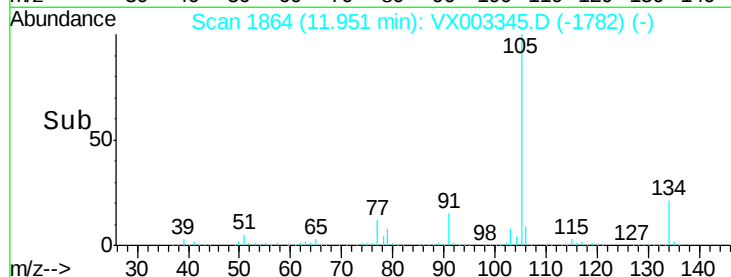
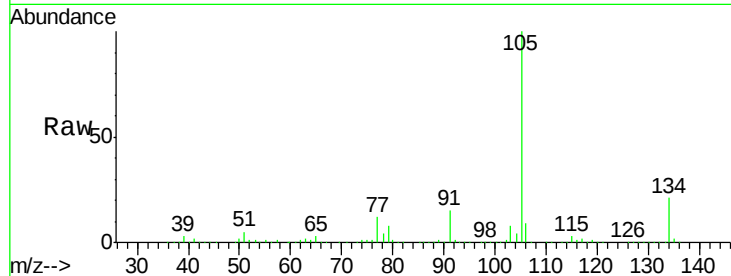
#81
 sec-Butylbenzene
 Concen: 49.253 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	41.6

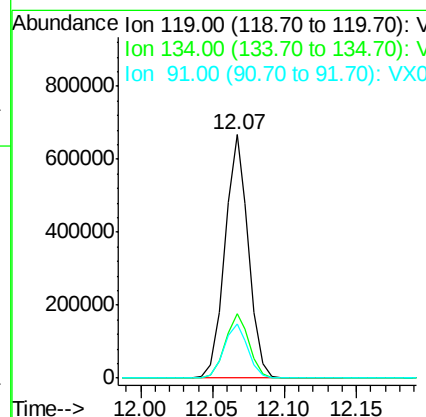
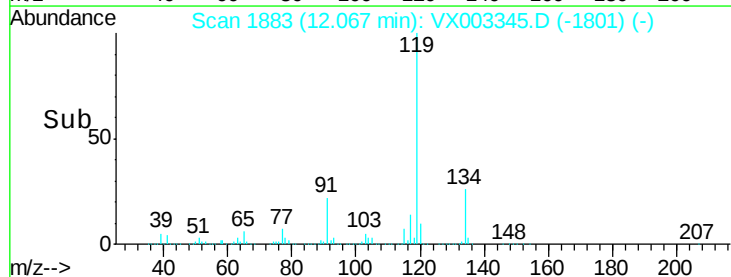
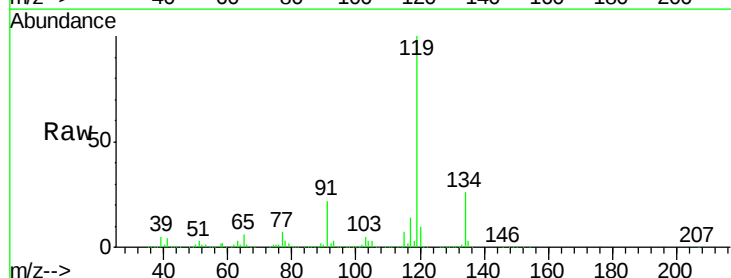
Manual Integrations
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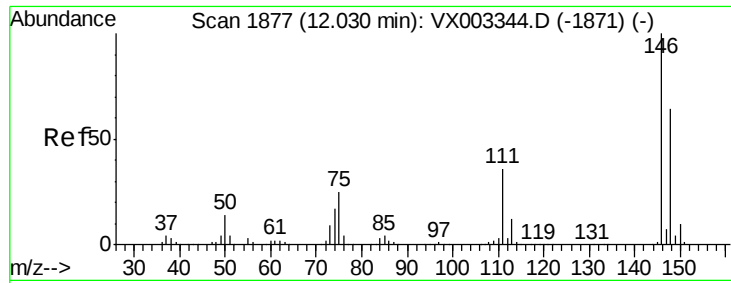
MMDadoda
 7/13/2018 11:35:49 AM



#82
 p-Isopropyltoluene
 Concen: 49.142 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.6
91	22.4	0.0	48.0





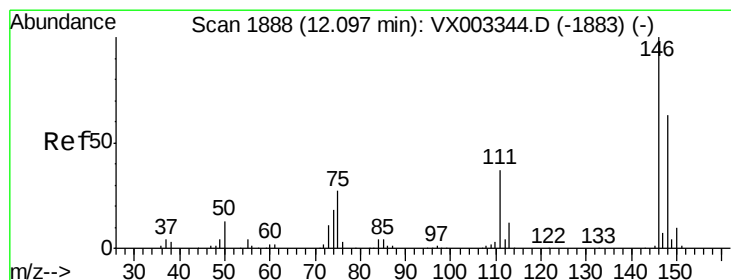
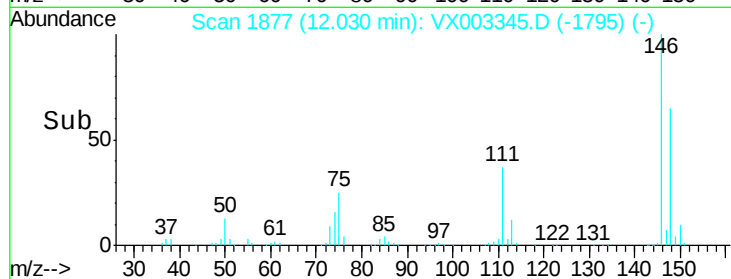
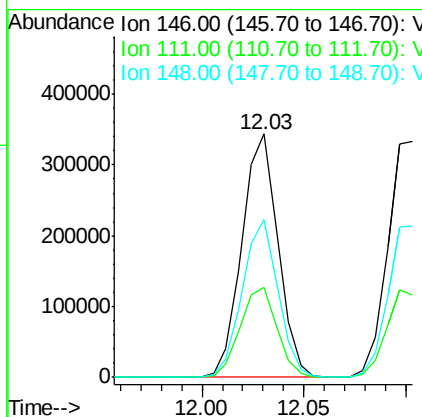
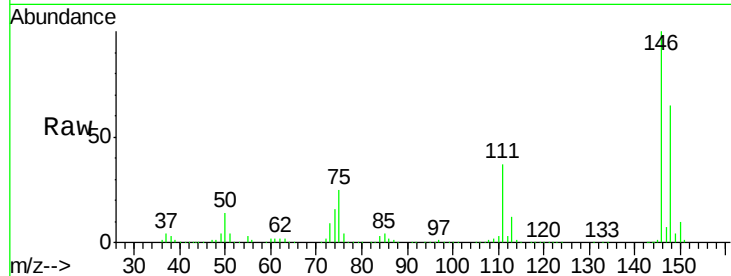
#83
 1,3-Dichlorobenzene
 Concen: 50.147 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	63.7	31.9	95.7

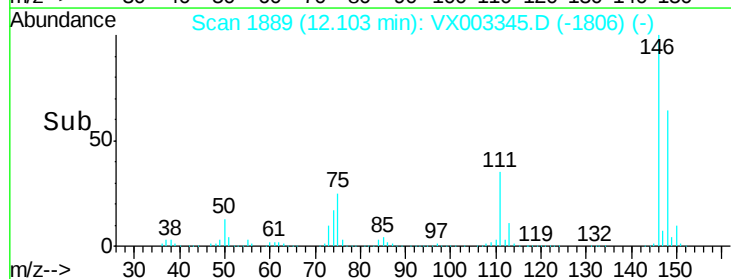
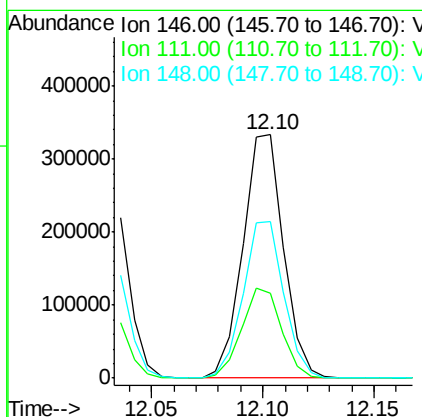
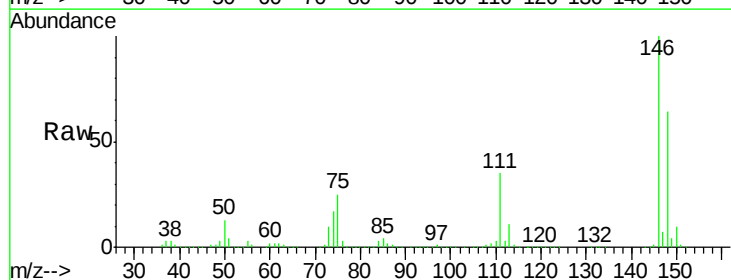
Manual Integrations
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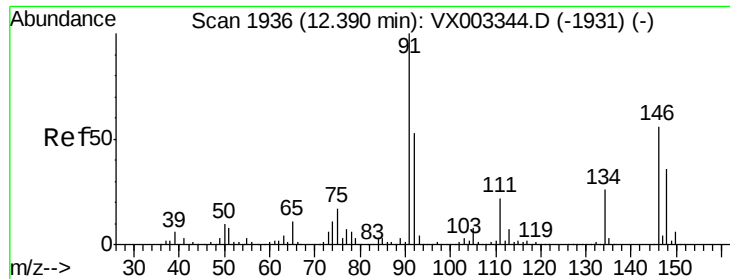
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 7/13/2018 11:35:49 AM



#84
 1,4-Dichlorobenzene
 Concen: 49.467 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.5	55.5
148	64.5	32.0	96.0





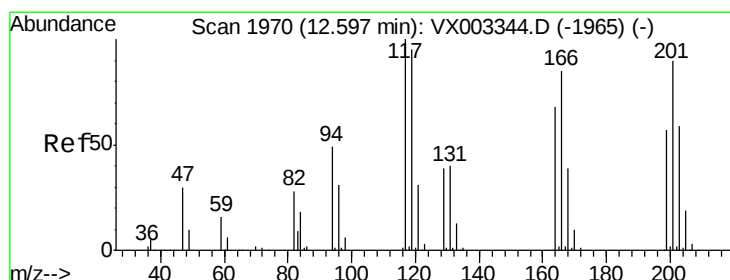
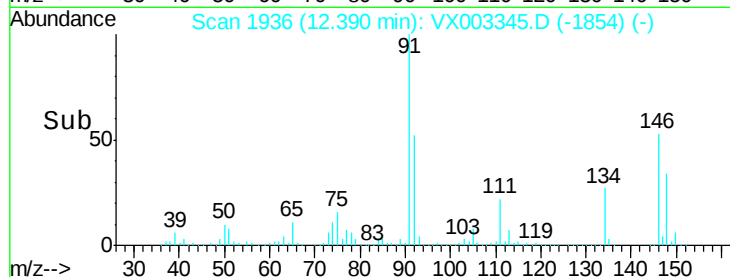
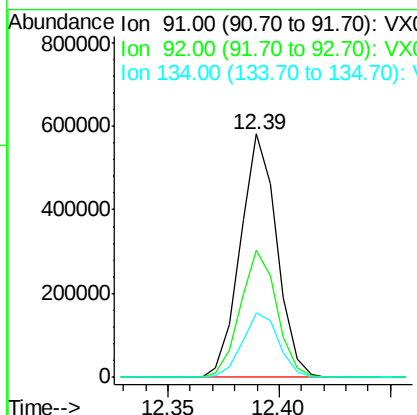
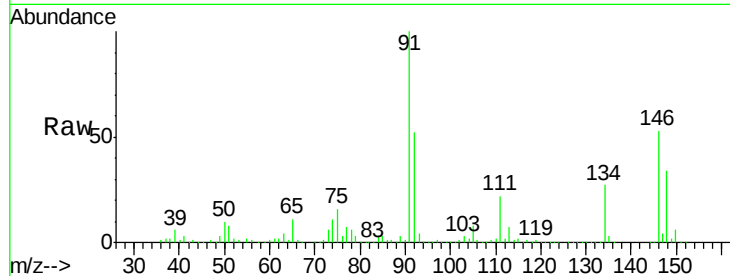
#85
n-Butylbenzene
Concen: 48.163 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	0.0	105.2
134	26.8	0.0	53.2

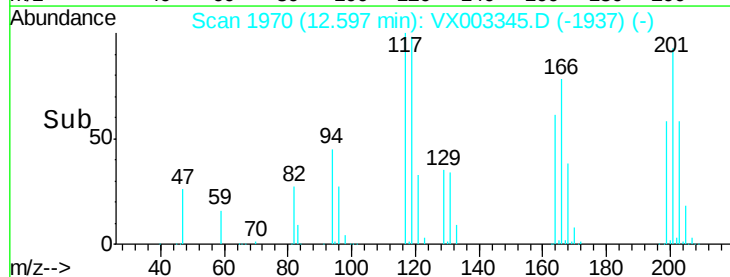
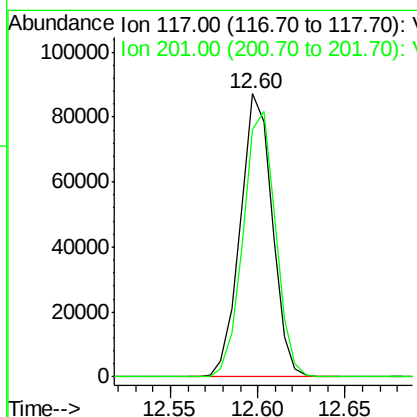
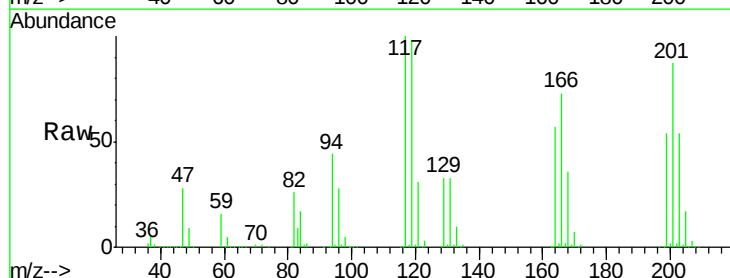
Manual Integrations
APPROVED

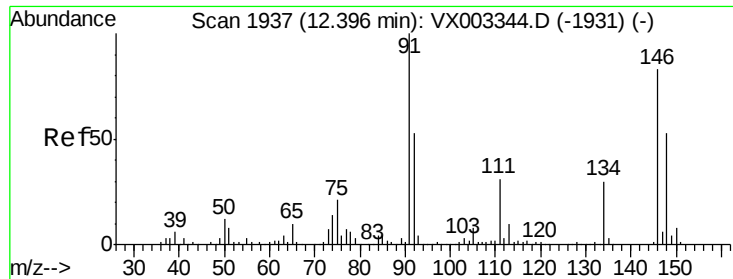
MMDadoda
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#86
Hexachloroethane
Concen: 47.276 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003345.D
Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	47.6	142.8





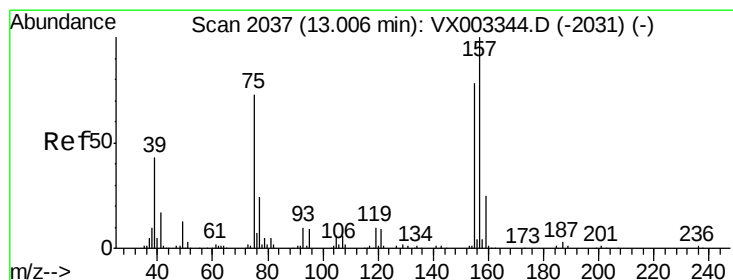
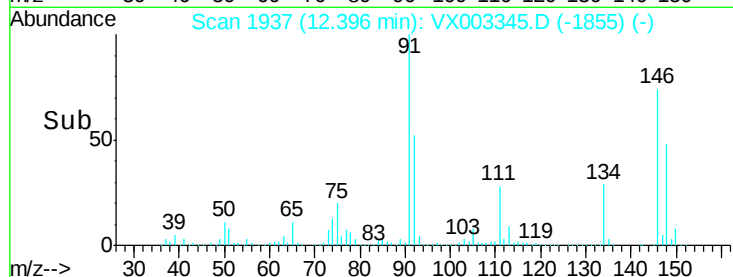
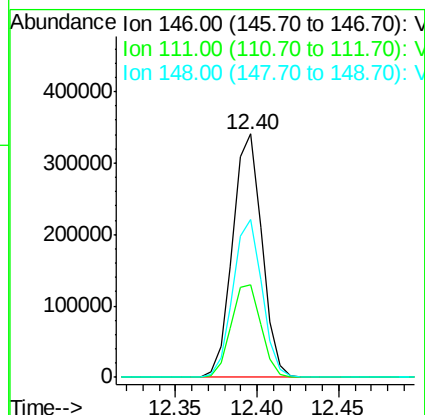
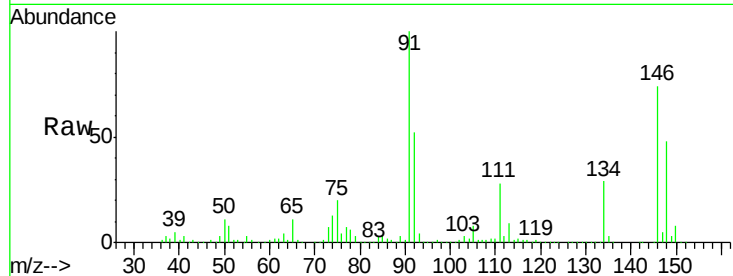
#87
 1,2-Dichlorobenzene
 Concen: 49.713 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	59.9
148	64.5	32.8	98.3

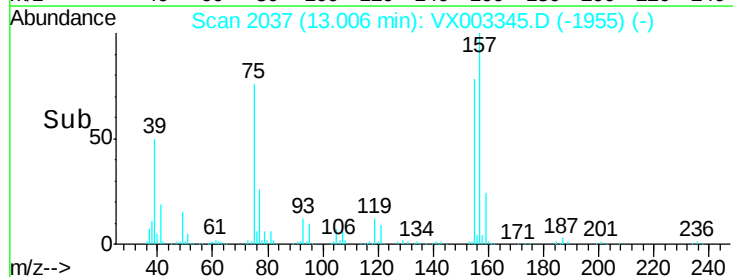
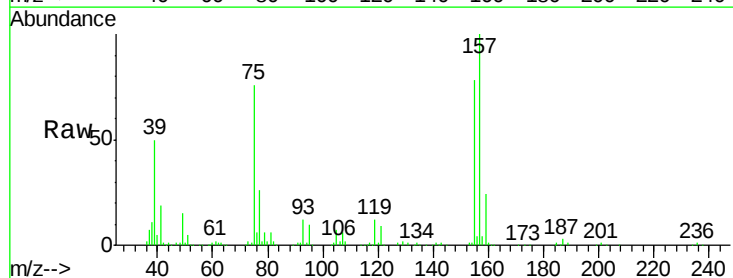
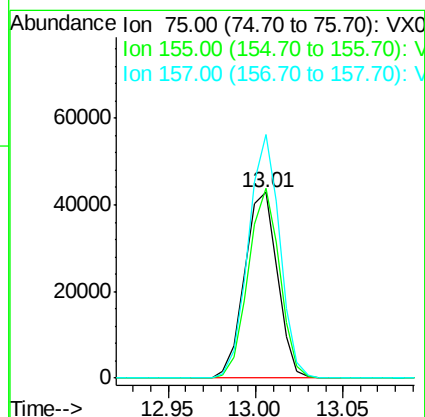
Manual Integrations
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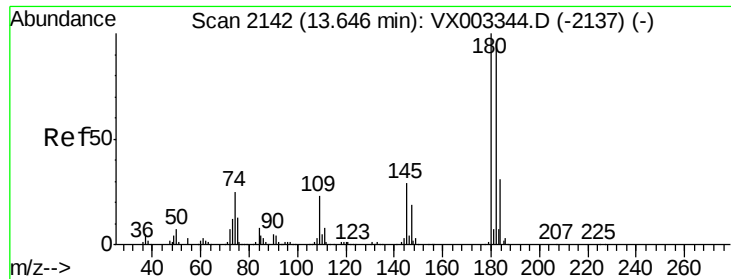
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 51.006 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	73.1	109.7
157	125.0	93.1	139.7





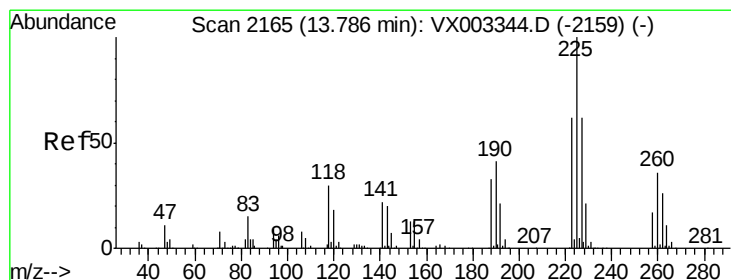
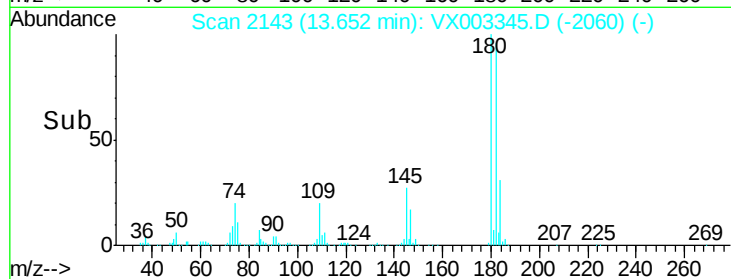
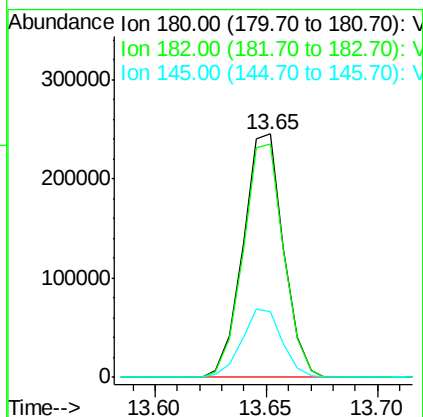
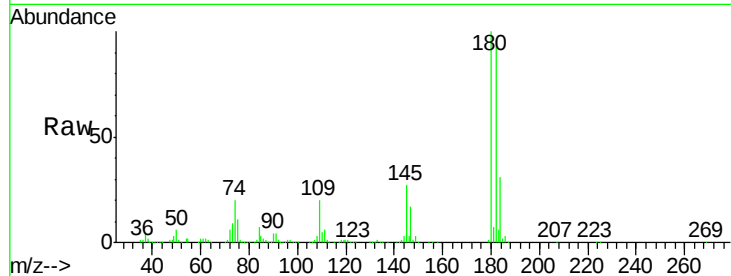
#89
 1,2,4-Trichlorobenzene
 Concen: 48.110 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.4	114.6
145	27.8	22.9	34.3

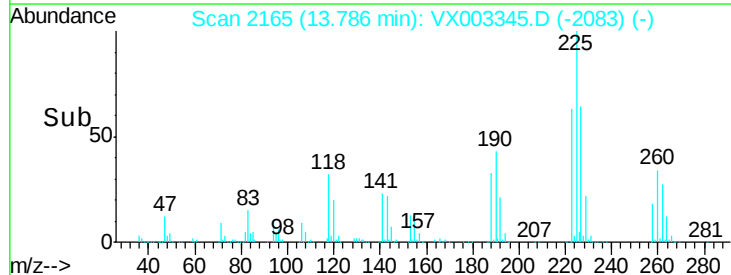
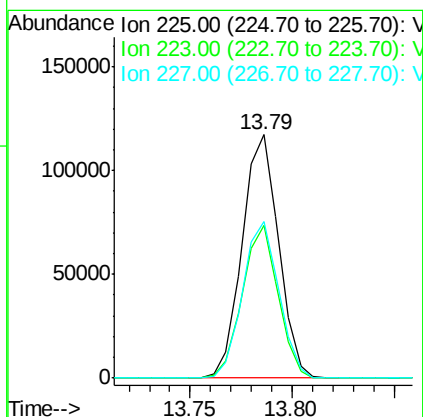
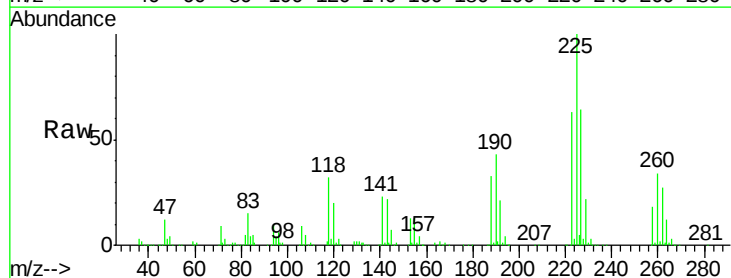
Manual Integrations
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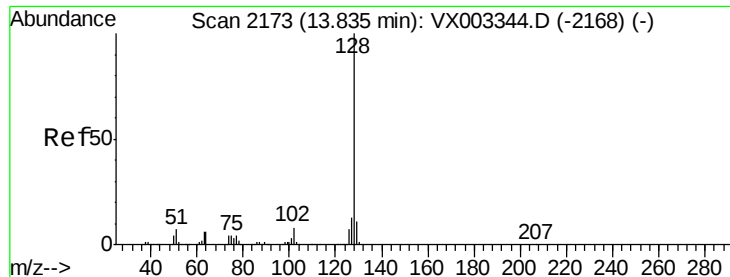
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#90
 Hexachlorobutadiene
 Concen: 43.234 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003345.D
 Acq: 12 Jul 2018 12:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	0.0	122.4
227	64.2	0.0	128.0





#91

Naphthalene

Concen: 55.328 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Instrument :

MSVOA_X

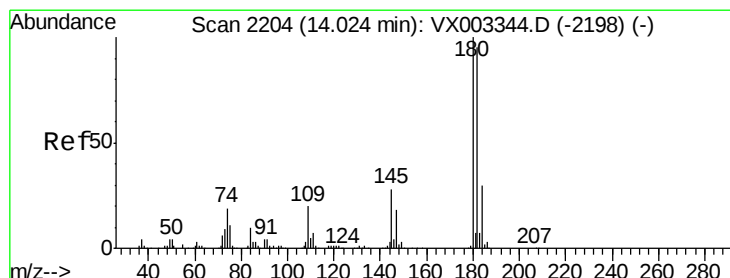
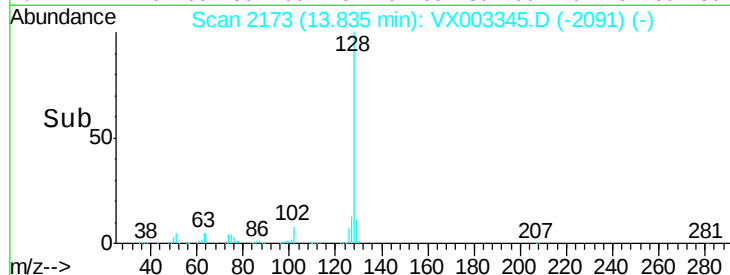
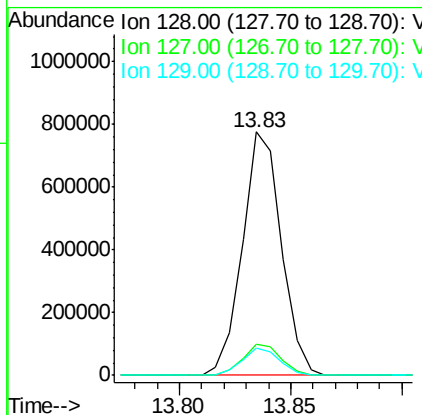
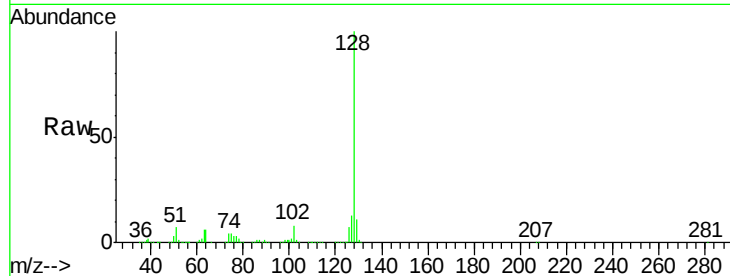
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	947397
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.8	8.9	13.3

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 49.199 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003345.D

Acq: 12 Jul 2018 12:04

Tgt Ion:	180	Resp:	316213
Ion Ratio	Lower	Upper	
180	100		
182	96.0	0.0	191.0
145	29.4	0.0	60.6

