

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
 Data File : VX004912.D
 Acq On : 02 Oct 2018 10:58
 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
 10/3/2018 4:23:24 PM

Quant Time: Oct 03 04:37:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:23:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	47930	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	272540	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	252419	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	109097	29.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.83%
60) 4-Bromofluorobenzene	11.14	95	124867	29.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.20%
63) Toluene-d8	8.72	98	339301	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	199064	53.344	ug/l 99
3) Chloromethane	1.32	50	196447	50.738	ug/l 99
4) Vinyl Chloride	1.40	62	204468	51.658	ug/l 99
5) Bromomethane	1.64	94	93844	49.409	ug/l 97
6) Chloroethane	1.71	64	114741	50.493	ug/l 100
7) Trichlorofluoromethane	1.92	101	256607	50.894	ug/l 98
8) Diethyl Ether	2.19	74	102997	50.111	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	143965	49.719	ug/l 100
10) 1,1-Dichloroethene	2.37	96	136681	49.836	ug/l 99
11) Methyl Iodide	2.51	142	112345	50.311	ug/l 99
12) Methyl Acetate	2.78	43	283642	51.288	ug/l 97
13) Acrolein	2.29	56	122482	239.704	ug/l 99
14) Acrylonitrile	3.15	53	559852	247.719	ug/l 99
15) Acetone	2.45	58	190754	252.497	ug/l 100
16) Carbon Disulfide	2.56	76	408479	50.780	ug/l 99
17) Allyl chloride	2.72	41	313393	51.386	ug/l 94
18) Methylene Chloride	2.85	84	158542	49.708	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	146658	50.051	ug/l 98
20) Diisopropyl ether	3.87	45	517997	49.815	ug/l 95
21) 1,1-Dichloroethane	3.70	63	284714	49.694	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	162530	50.136	ug/l 99
23) tert-Butyl Alcohol	3.08	59	254087	243.515	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	503644	49.970	ug/l 100
25) Chloroform	5.21	83	270819	50.225	ug/l 98
26) Cyclohexane	5.57	56	248873	50.616	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	201710	50.015	ug/l 99
30) 2-Butanone	4.70	43	816463	249.003	ug/l 99
31) 2,2-Dichloropropane	4.58	77	219020	49.498	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	231814	50.003	ug/l 99
33) Carbon Tetrachloride	5.78	117	203248	49.919	ug/l 99
34) Benzene	6.14	78	614416	50.204	ug/l 98
35) Methacrylonitrile	5.06	41	153419	50.348	ug/l 97
36) 1,2-Dichloroethane	6.20	62	219529	49.792	ug/l 98
37) Trichloroethene	7.21	130	160767	49.870	ug/l 99
38) Methylcyclohexane	7.46	83	242148	50.572	ug/l 98
39) 1,2-Dichloropropane	7.52	63	163072	50.009	ug/l 97
40) Dibromomethane	7.66	93	105850	50.083	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:23:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	203901	50.044	ug/l	98
42) Vinyl Acetate	3.82	43	2359102	248.685	ug/l	99
43) Ethyl Acetate	4.86	43	273516	50.568	ug/l	99
44) Isopropyl Acetate	6.46	43	405732	50.266	ug/l	100
45) 1,4-Dioxane	7.76	88	97477	1025.036	ug/l	97
46) Methyl methacrylate	7.78	41	212795	50.813	ug/l	99
47) n-amyl Acetate	10.90	43	370318	49.727	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	236807	47.961	ug/l	98
49) cis-1,3-Dichloropropene	8.44	75	254980	53.394	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	159681	49.903	ug/l	99
51) Ethyl methacrylate	9.18	69	257995	50.805	ug/l	99
52) 1,3-Dichloropropane	9.37	76	268670	49.770	ug/l	100
53) Dibromochloromethane	9.59	129	166111	50.037	ug/l	99
54) 1,2-Dibromoethane	9.68	107	165620	49.666	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	687226	256.467	ug/l	100
56) Bromoform	10.86	173	134927	48.668	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	1434177	253.051	ug/l	100
59) 2-Hexanone	9.50	43	1179362	252.571	ug/l	100
61) Tetrachloroethene	9.34	164	156190	50.846	ug/l	96
62) Toluene	8.79	91	673797	50.792	ug/l	99
64) Chlorobenzene	10.14	112	427107	49.854	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	156695	50.315	ug/l	99
66) Ethyl Benzene	10.26	91	732206	50.558	ug/l	99
67) m/p-Xylenes	10.36	106	572662	101.553	ug/l	98
68) o-Xylene	10.70	106	277112	50.980	ug/l	98
69) Styrene	10.71	104	465866	50.969	ug/l	99
70) Isopropylbenzene	11.02	105	736697	50.613	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	265298	49.072	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	244695m	49.681	ug/l	
73) Bromobenzene	11.26	156	197109	49.264	ug/l	98
74) n-propylbenzene	11.36	91	865292	50.525	ug/l	99
75) 2-Chlorotoluene	11.42	91	522470	50.021	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	631840	50.311	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	80673	49.818	ug/l	92
78) 4-Chlorotoluene	11.51	91	604461	49.789	ug/l	100
79) tert-butylbenzene	12.07	119	676426	50.751	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	649150	50.684	ug/l	100
81) sec-Butylbenzene	11.94	105	741857	50.042	ug/l	100
82) p-Isopropyltoluene	12.07	119	676426	50.751	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	363779	49.168	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	369371	49.195	ug/l	100
85) n-Butylbenzene	12.39	91	608746	50.286	ug/l	100
86) Hexachloroethane	12.60	117	106500	48.510	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	369660	49.150	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	61055	48.872	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	280496	49.995	ug/l	98
90) Hexachlorobutadiene	13.79	225	135067	48.764	ug/l	99
91) Naphthalene	13.83	128	902753	51.748	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	286264	49.759	ug/l	99

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VSTDICC050

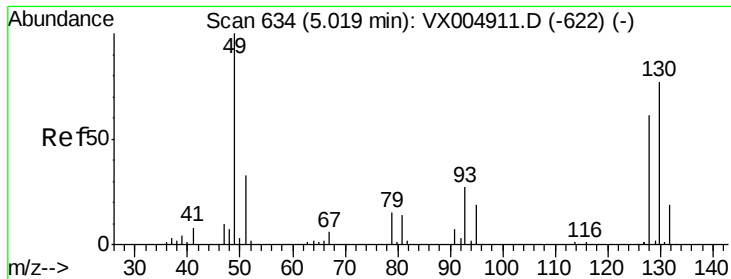
Manual Integrations
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10/3/2018 4:23:24 PM

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QLast Update : Wed Oct 03 04:23:23 2018
Response via : Initial Calibration

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: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

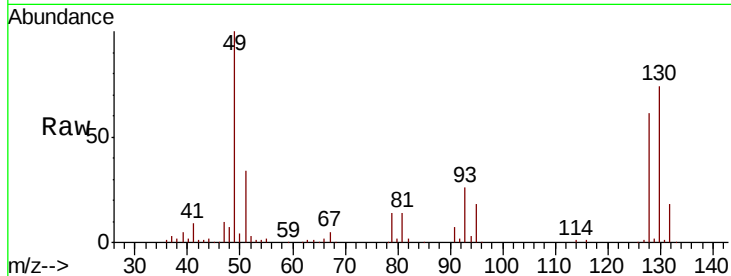
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	175.0	0.0	429.5
130	130.2	0.0	325.8

Manual Integrations
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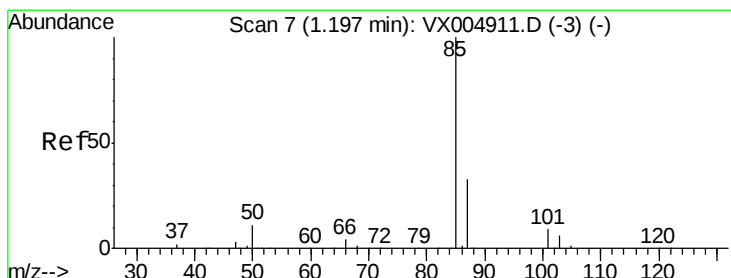
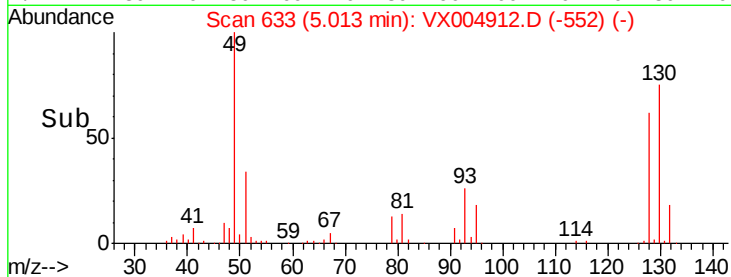
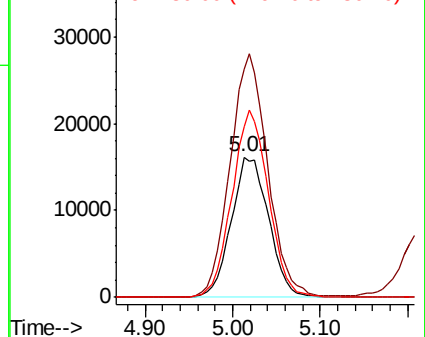


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 53.344 ug/l

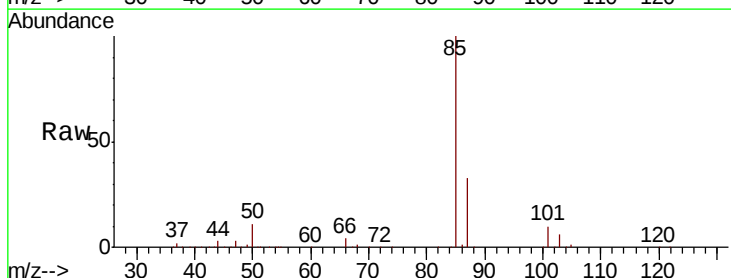
RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

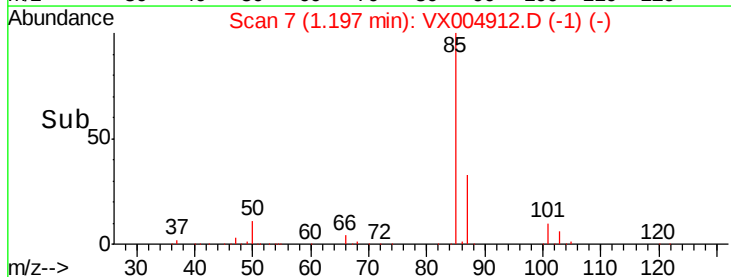
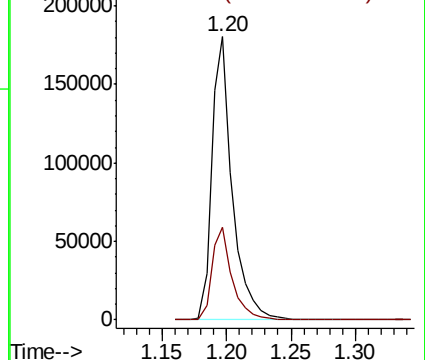
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.5	49.5

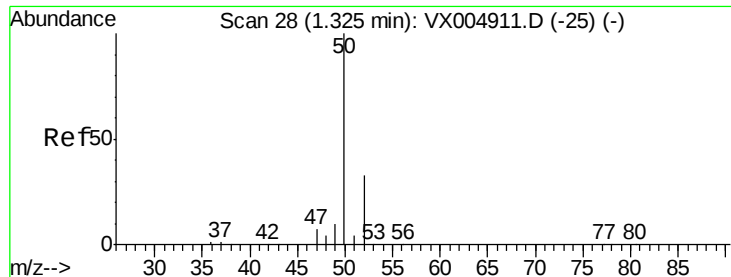


Abundance

Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 50.738 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 196447

Ion Ratio Lower Upper

50 100

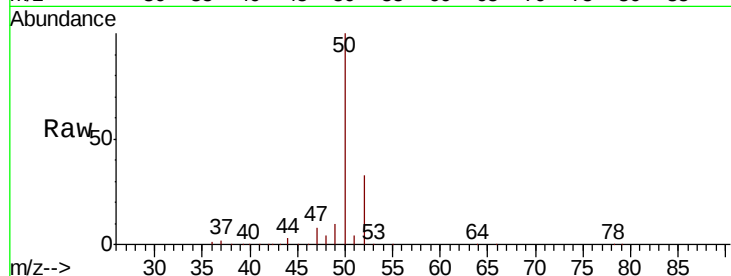
52 32.9 26.1 39.1

Manual Integrations

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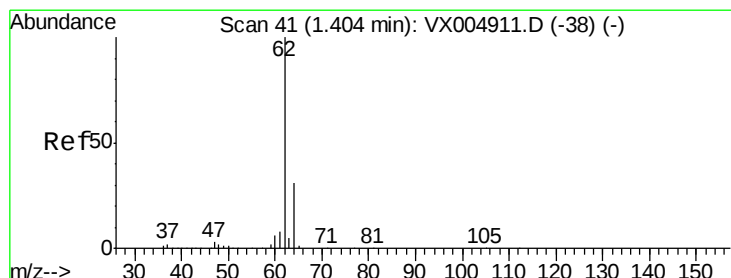
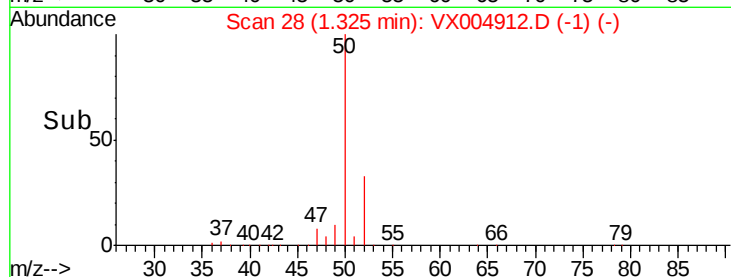
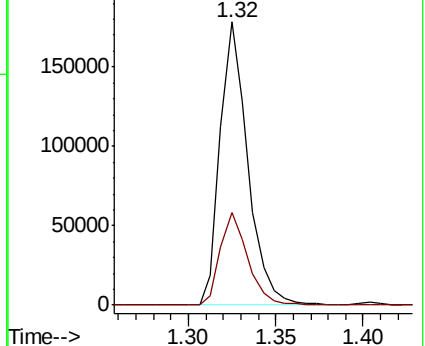
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 51.658 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004912.D

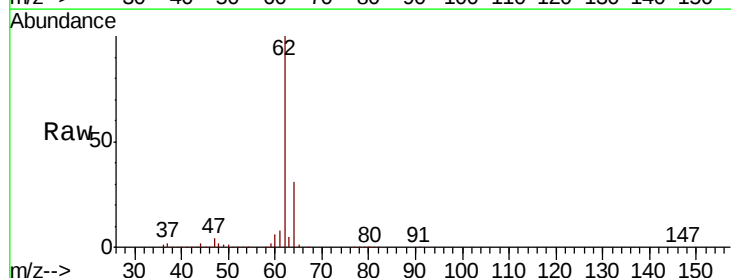
Acq: 02 Oct 2018 10:58

Tgt Ion: 62 Resp: 204468

Ion Ratio Lower Upper

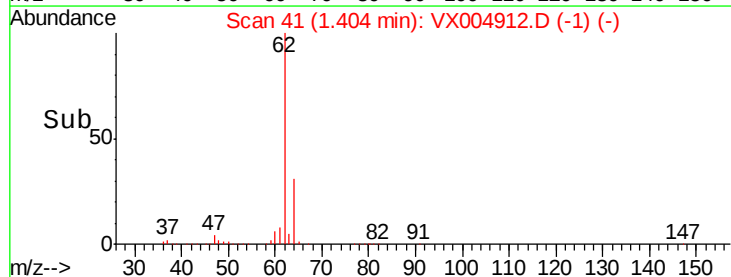
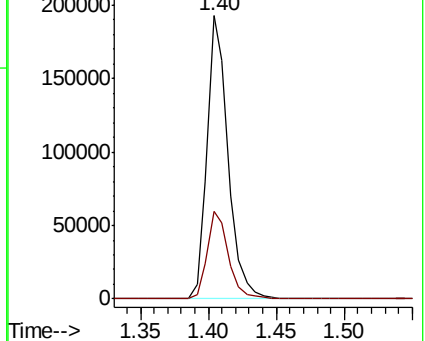
62 100

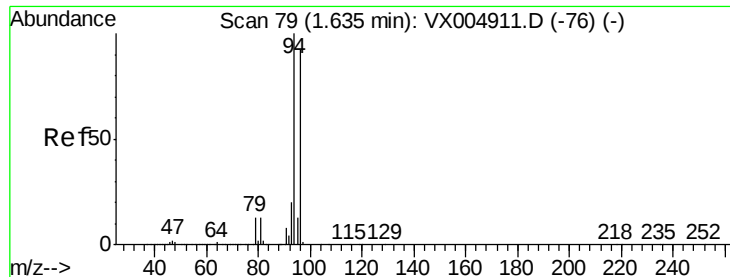
64 31.0 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 49.409 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 93844

Ion Ratio Lower Upper

94 100

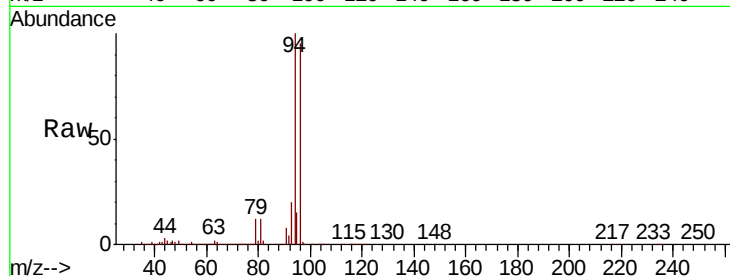
96 95.0 73.8 110.8

Manual Integrations

APPROVED

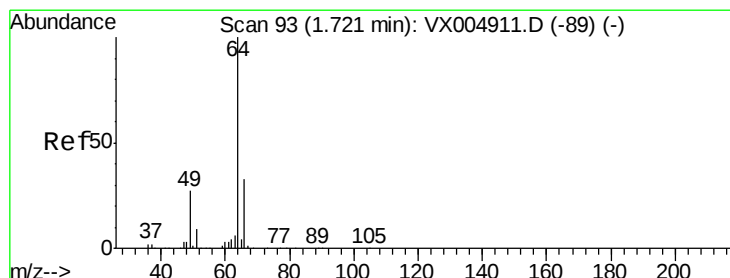
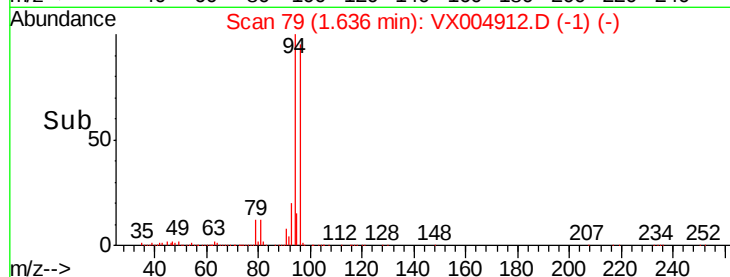
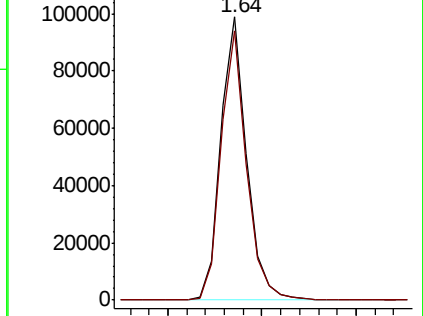
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 50.493 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX004912.D

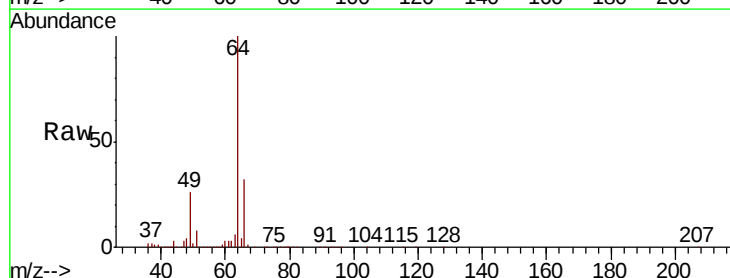
Acq: 02 Oct 2018 10:58

Tgt Ion: 64 Resp: 114741

Ion Ratio Lower Upper

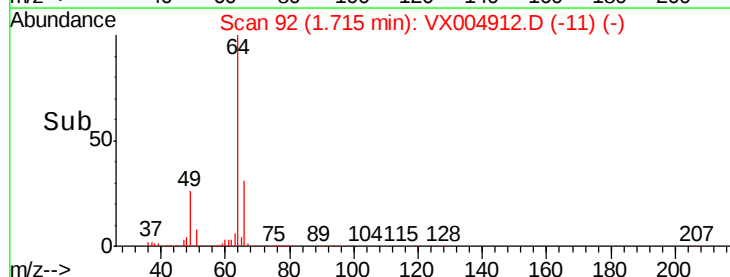
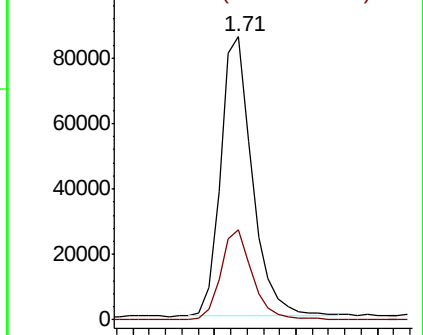
64 100

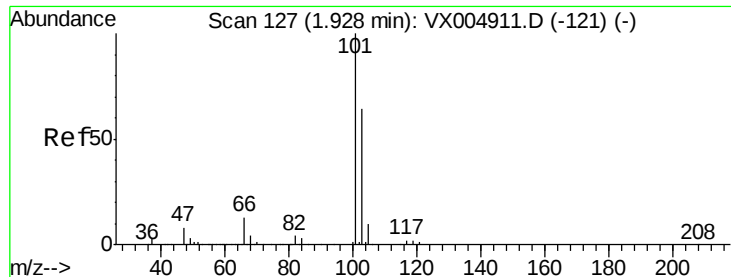
66 32.3 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

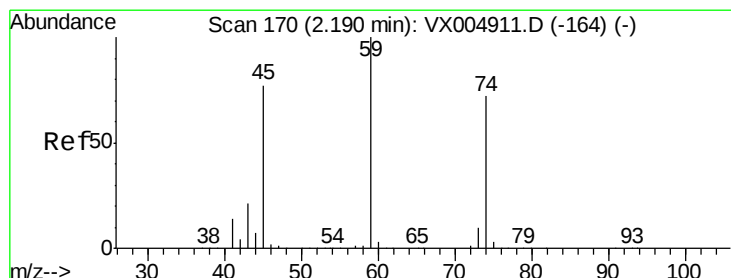
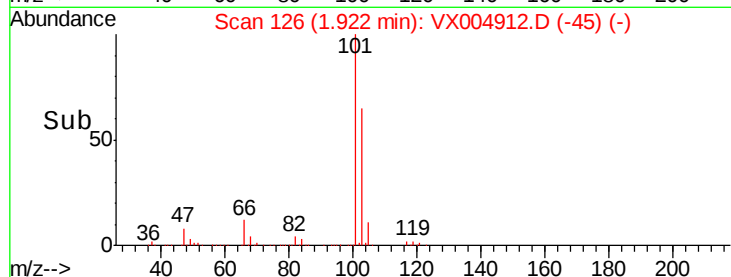
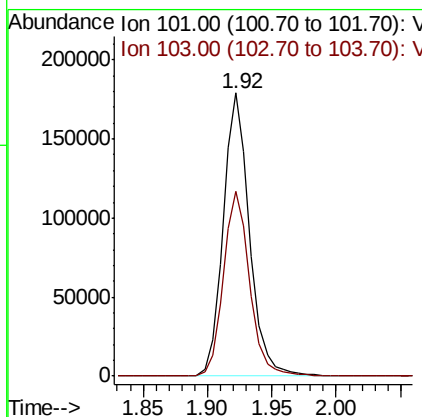
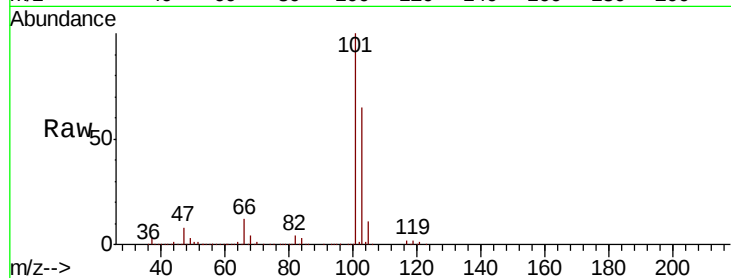
Trichlorofluoromethane
Concen: 50.894 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.1	76.7

Manual Integrations
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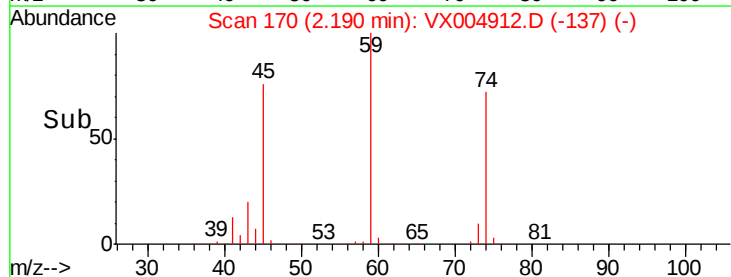
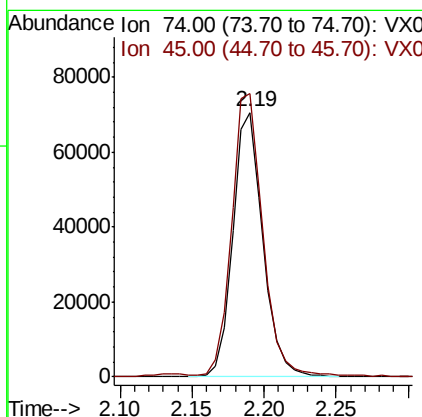
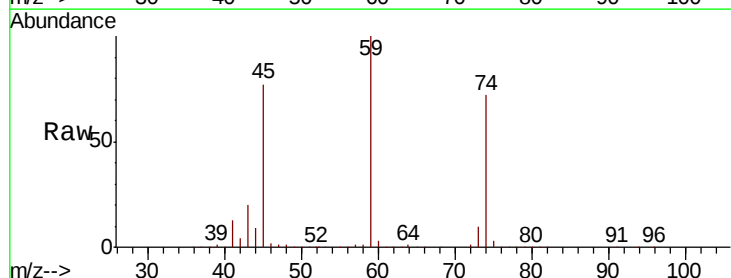
MMDadoda
10/3/2018 4:23:24 PM

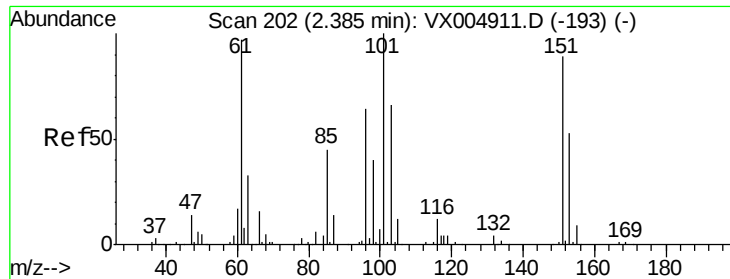


#8

Diethyl Ether
Concen: 50.111 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.0	21.6	194.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.719 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

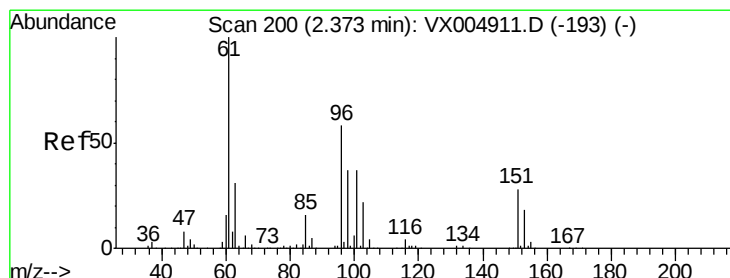
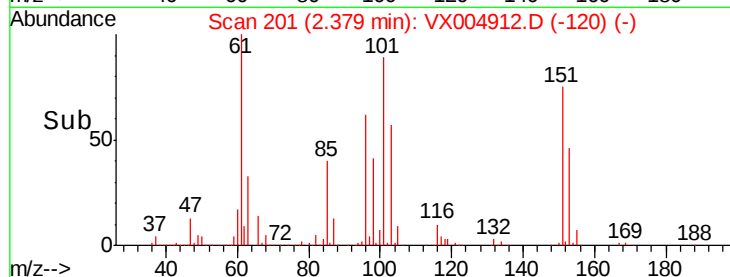
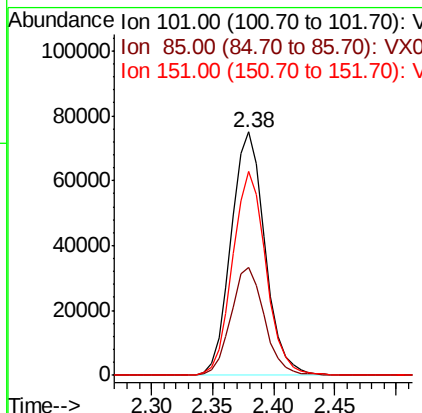
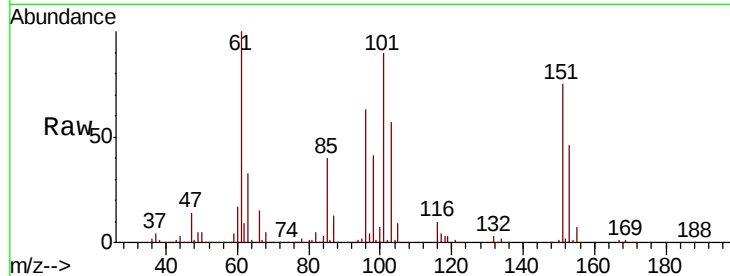
ClientSampled :

VSTDIC050

Tot Ion:	101	Resp:	143965
Ion Ratio	Lower	Upper	
101	100		
85	43.9	0.0	88.0
151	82.8	0.0	164.8

Manual Integrations
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MMDadoda
10/3/2018 4:23:24 PM



#10

1,1-Dichloroethene

Concen: 49.836 ug/l

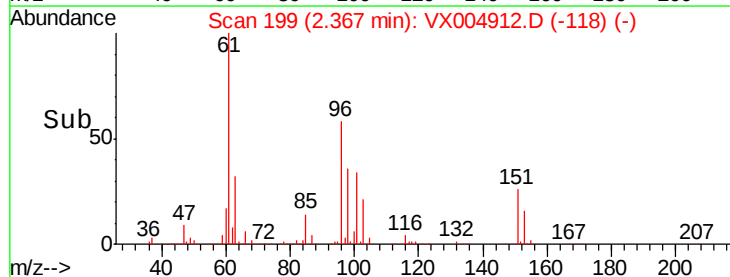
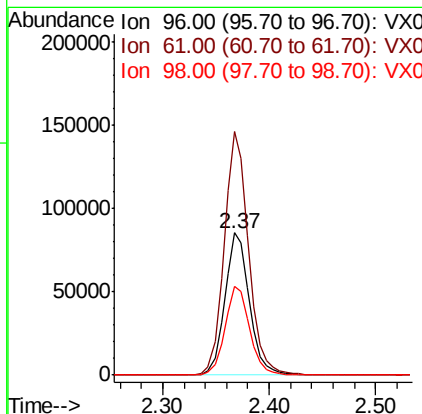
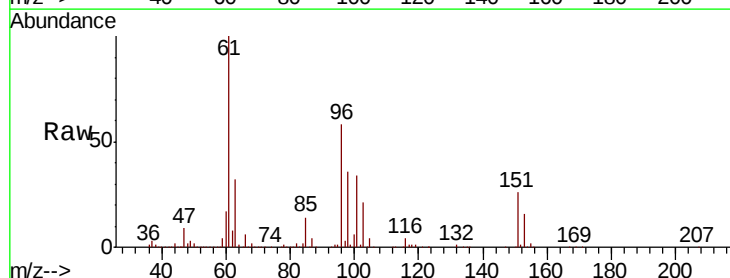
RT: 2.37 min Scan# 199

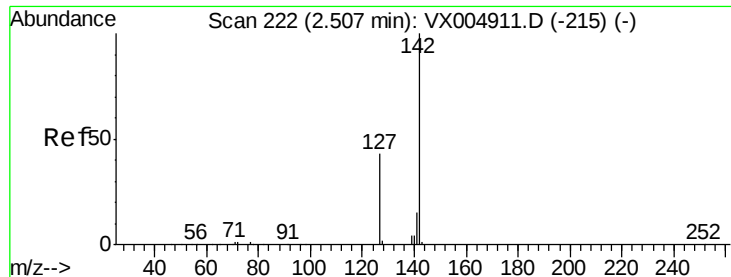
Delta R.T. -0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Tgt Ion:	96	Resp:	136681
Ion Ratio	Lower	Upper	
96	100		
61	171.2	137.9	206.9
98	62.2	51.0	76.4





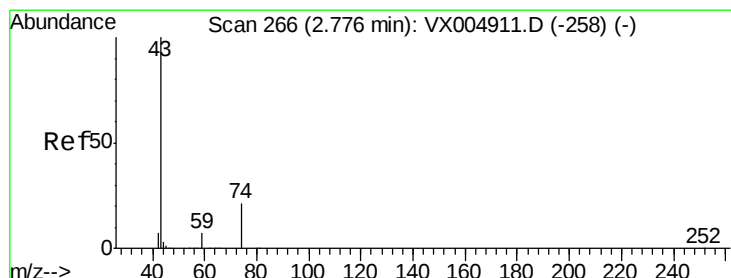
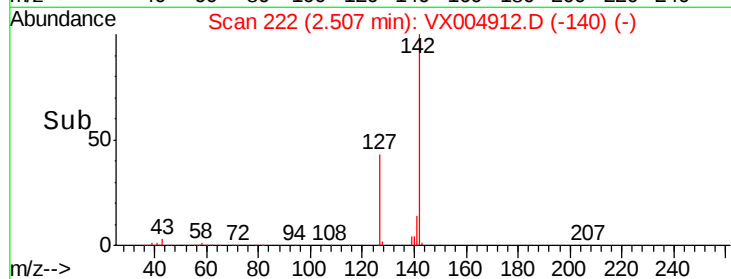
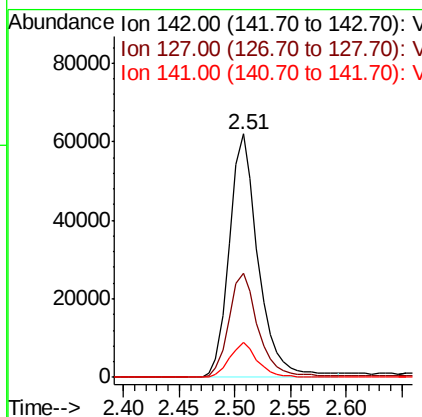
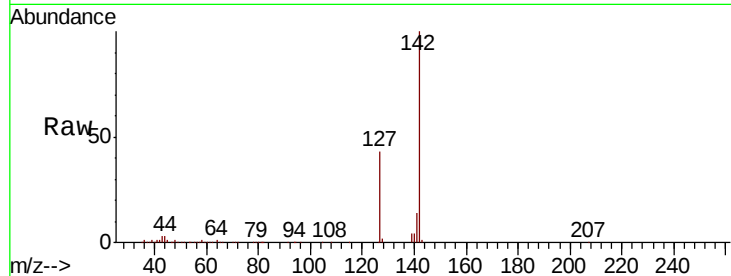
#11
Methvl Iodide
Concen: 50.311 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:	142	Resp:	112345
Ion Ratio	Lower	Upper	
142	100		
127	42.7	21.6	64.8
141	14.2	7.5	22.6

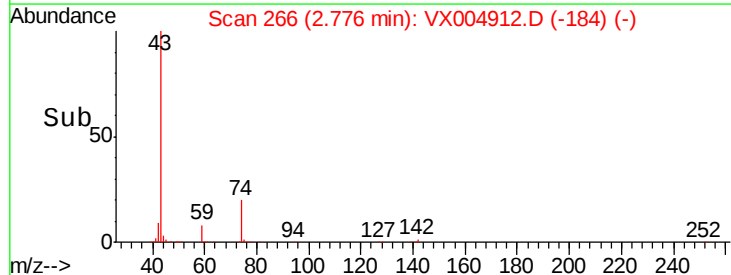
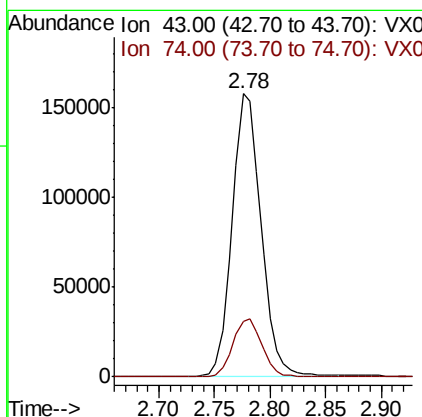
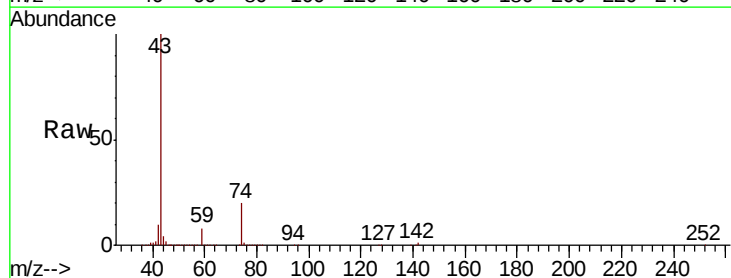
Manual Integrations
APPROVED

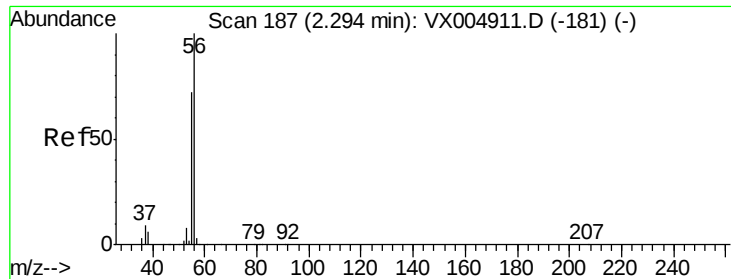
MMDadoda
10/3/2018 4:23:24 PM



#12
Methyl Acetate
Concen: 51.288 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion:	43	Resp:	283642
Ion Ratio	Lower	Upper	
43	100		
74	19.7	17.0	25.6





#13

Acrolein

Concen: 239.704 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 122482

Ion Ratio Lower Upper

56 100

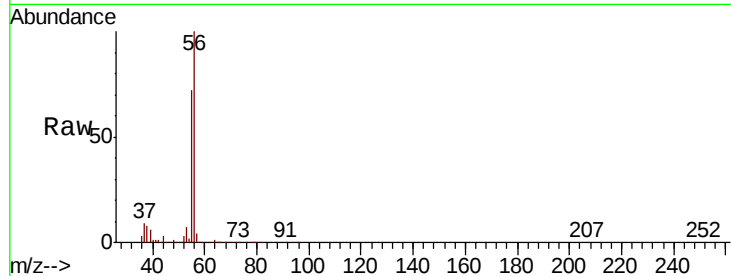
55 72.0 57.9 86.9

Manual Integrations

APPROVED

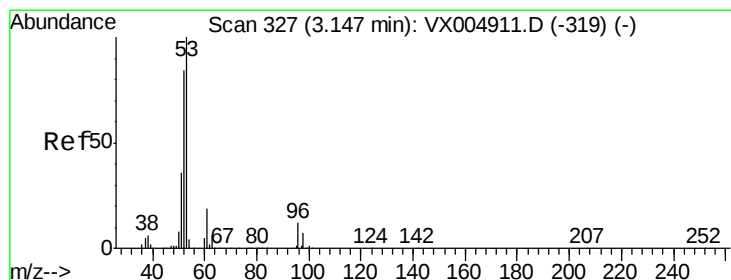
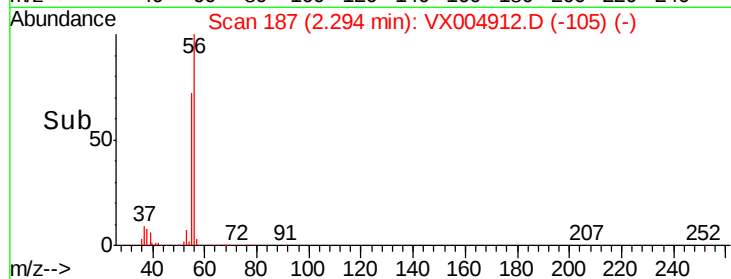
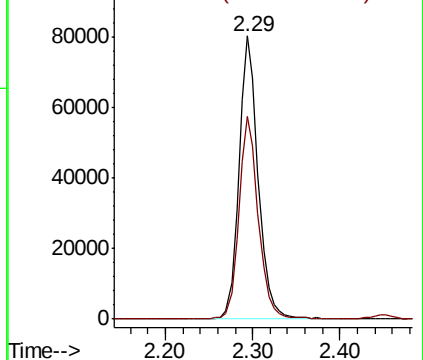
MMDadoda

10/3/2018 4:23:24 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 247.719 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

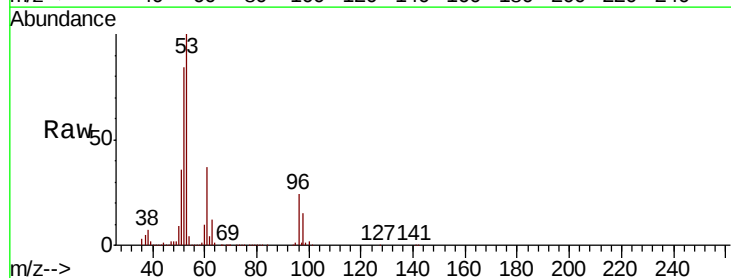
Tgt Ion: 53 Resp: 559852

Ion Ratio Lower Upper

53 100

52 83.8 41.5 124.6

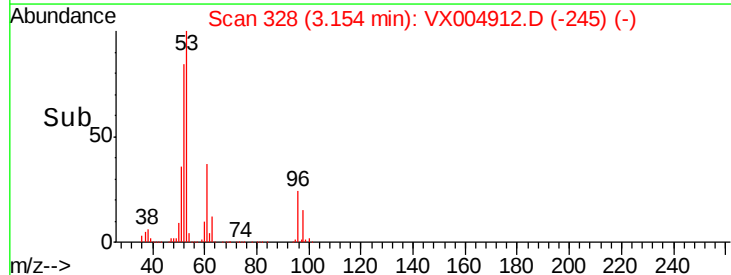
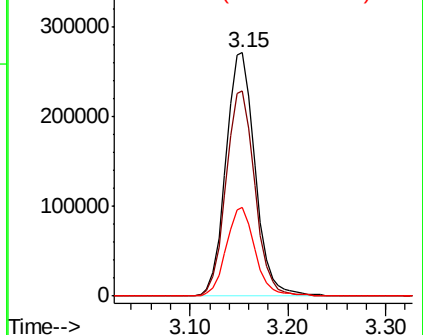
51 36.2 18.0 54.0

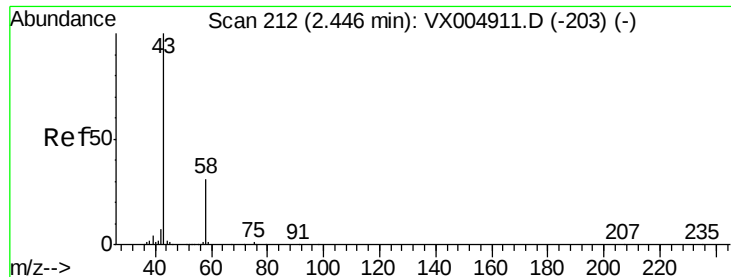


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





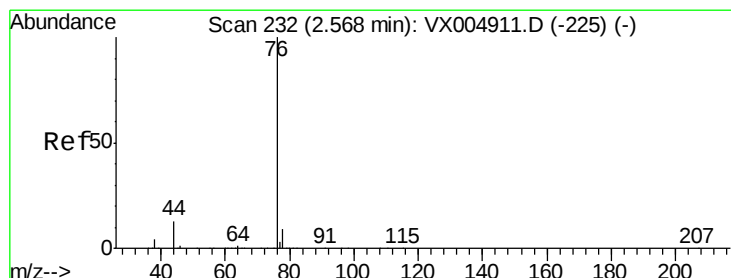
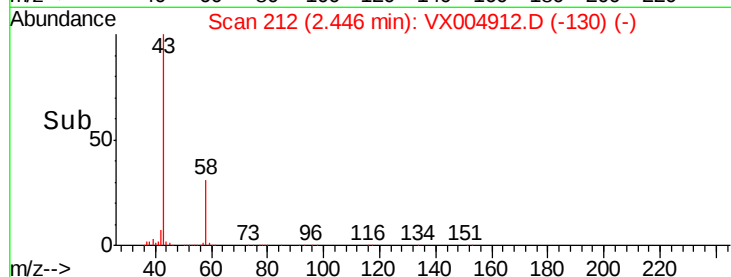
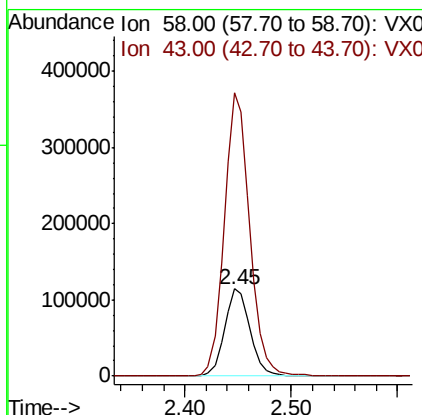
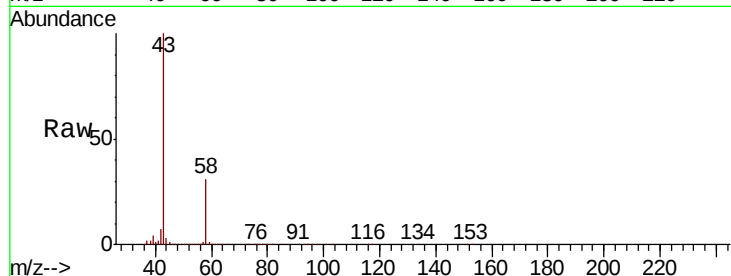
#15
Acetone
Concen: 252.497 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
58	100		
43	323.9	258.6	388.0

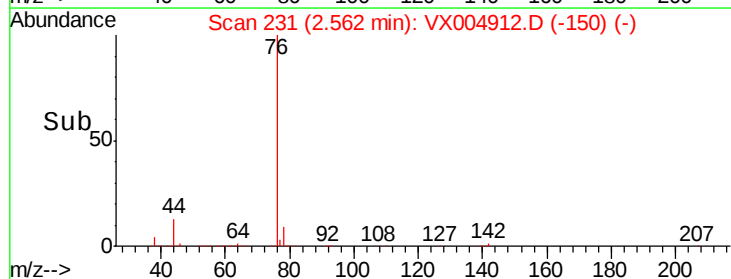
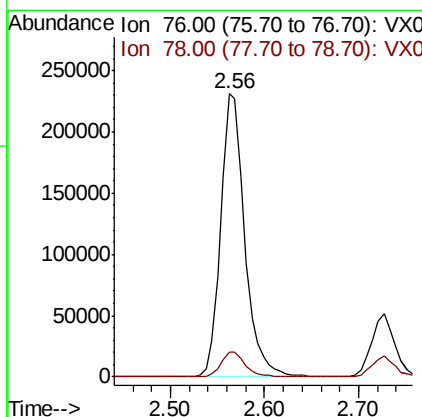
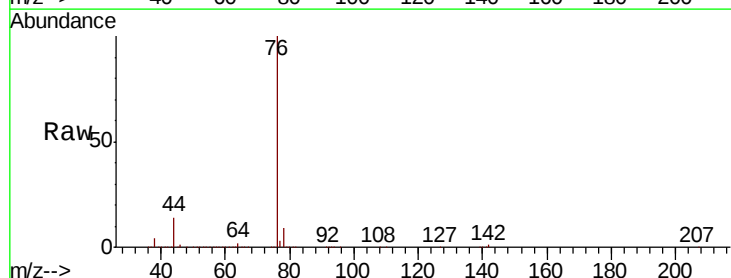
Manual Integrations
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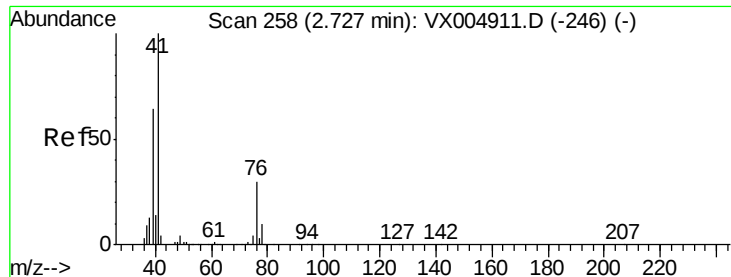
MMDadoda
10/3/2018 4:23:24 PM



#16
Carbon Disulfide
Concen: 50.780 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7





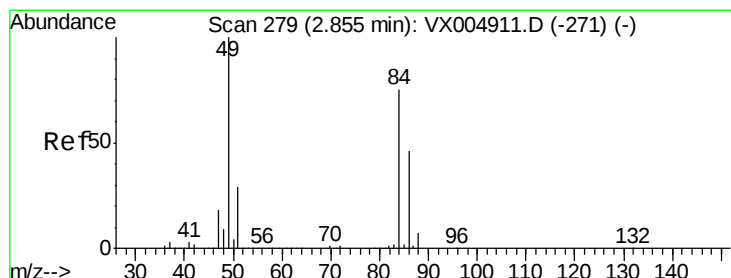
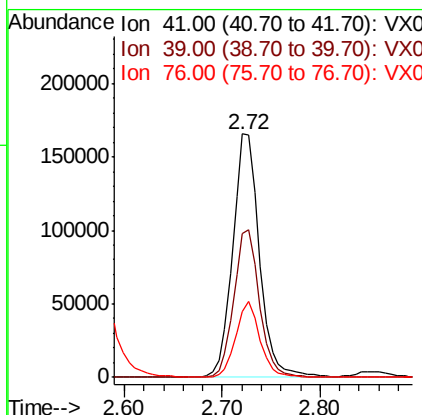
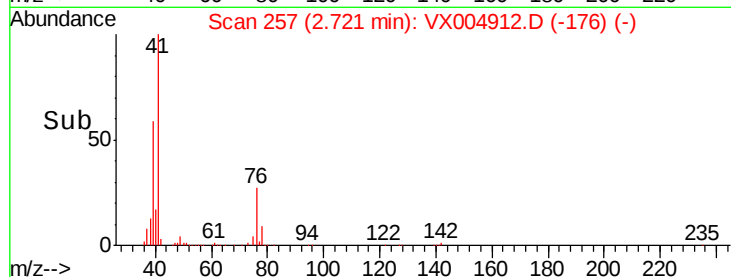
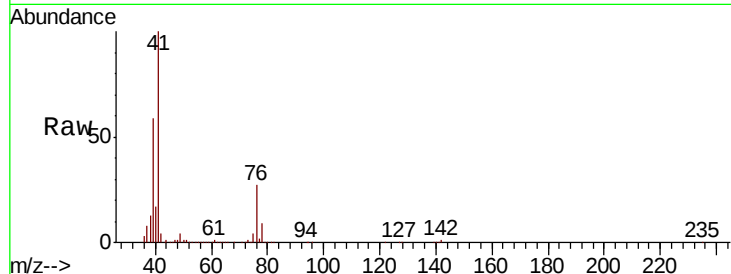
#17
Allvl chloride
Concen: 51.386 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.7	31.8	95.4
76	27.1	15.3	45.8

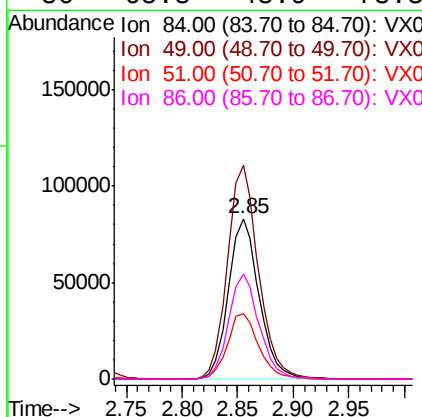
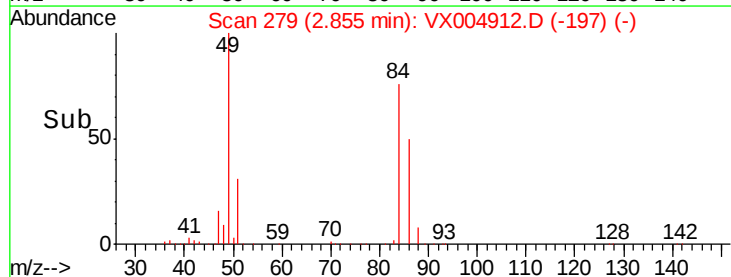
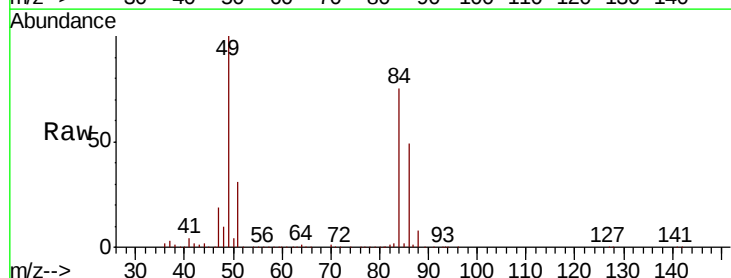
Manual Integrations
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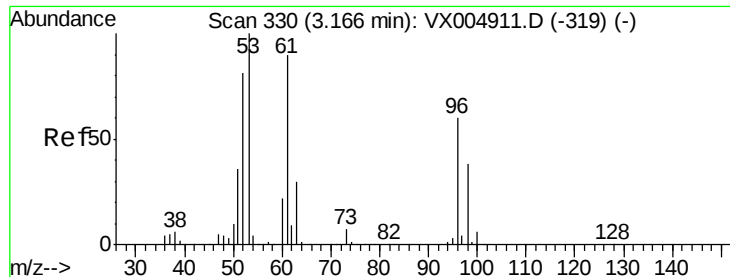
MMDadoda
10/3/2018 4:23:24 PM



#18
Methylene Chloride
Concen: 49.708 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.2	106.2	159.4
51	40.9	31.3	46.9
86	65.3	48.9	73.3





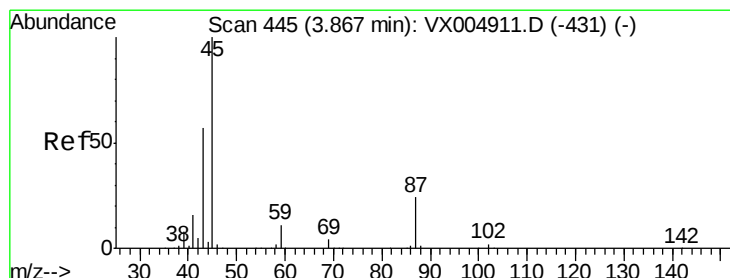
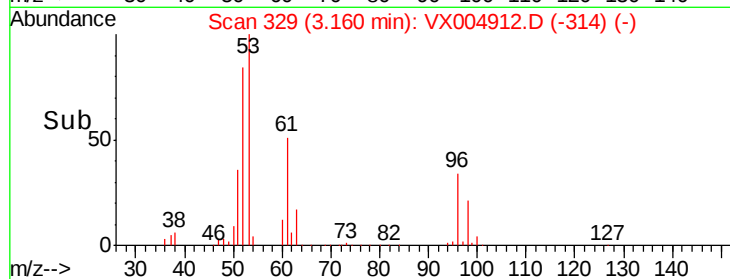
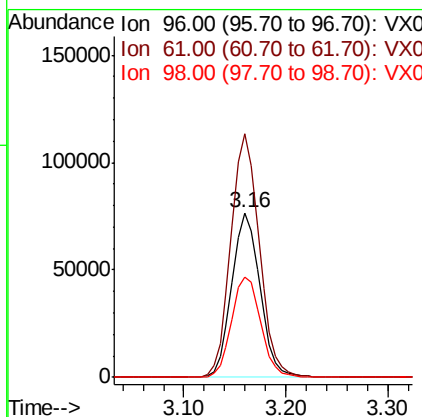
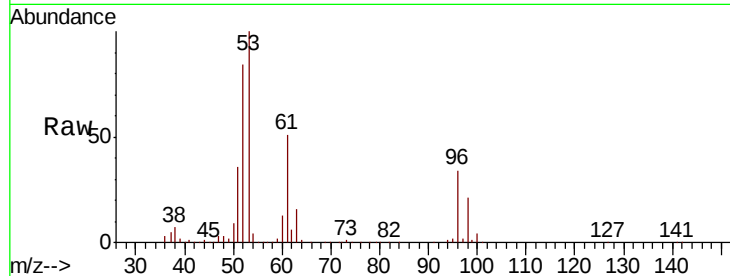
#19
trans-1,2-Dichloroethene
Concen: 50.051 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	119.5	179.3
98	61.3	50.6	75.8

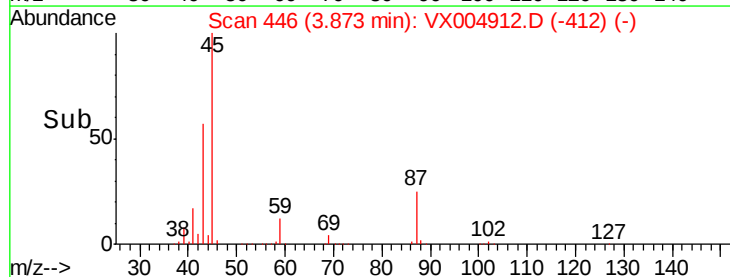
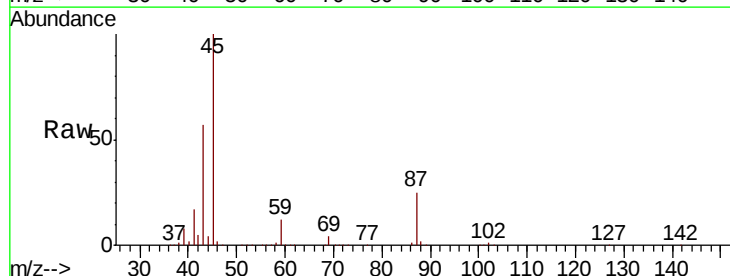
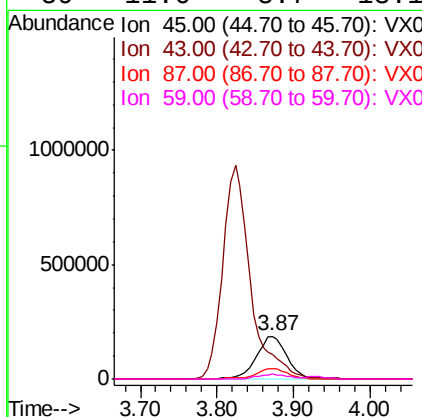
Manual Integrations
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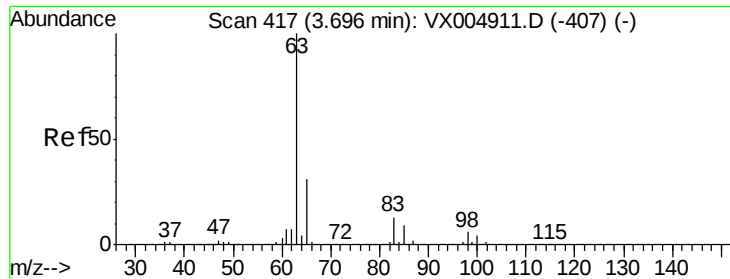
MMDadoda
10/3/2018 4:23:24 PM



#20
Diisopropyl ether
Concen: 49.815 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	49.8	74.8
87	25.4	19.1	28.7
59	11.6	8.7	13.1





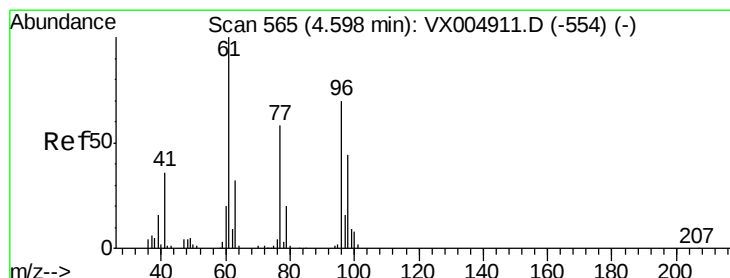
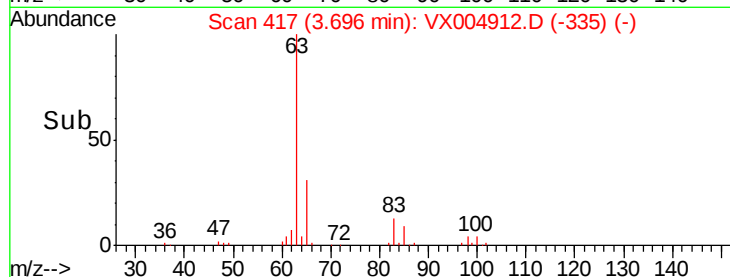
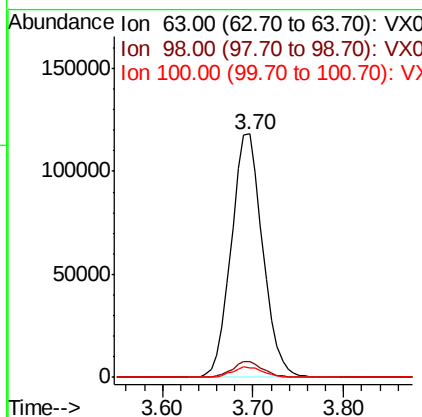
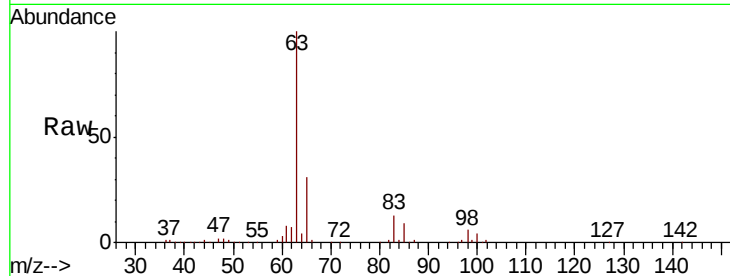
#21
 1,1-Dichloroethane
 Concen: 49.694 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:	63	Resp:	284714
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.2	9.6
100	4.1	2.1	6.5

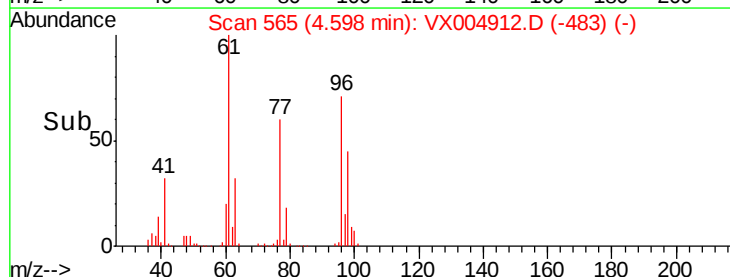
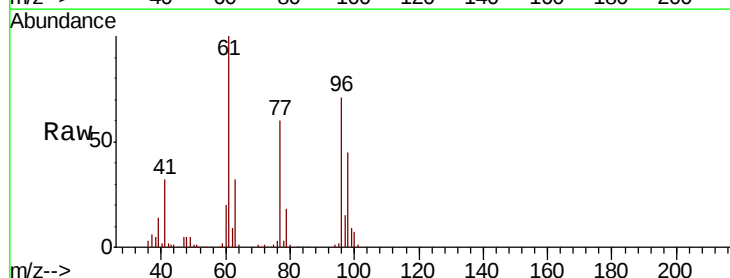
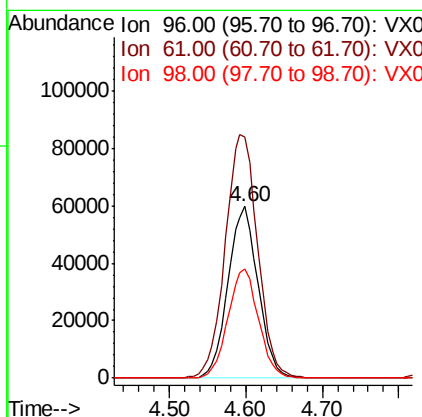
Manual Integrations
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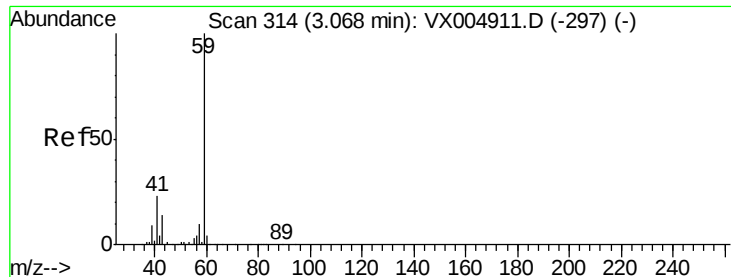
MMDadoda
 10/3/2018 4:23:24 PM



#22
 cis-1,2-Dichloroethene
 Concen: 50.136 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion:	96	Resp:	162530
Ion Ratio	Lower	Upper	
96	100		
61	152.6	123.3	184.9
98	64.5	51.4	77.0





#23

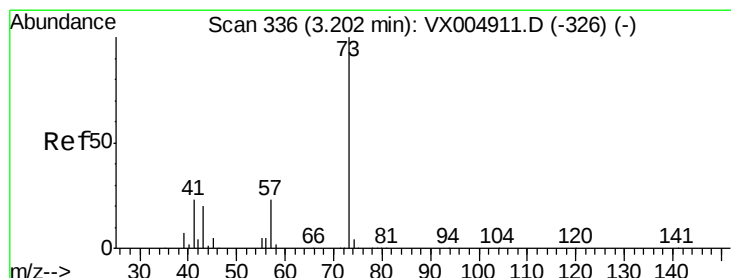
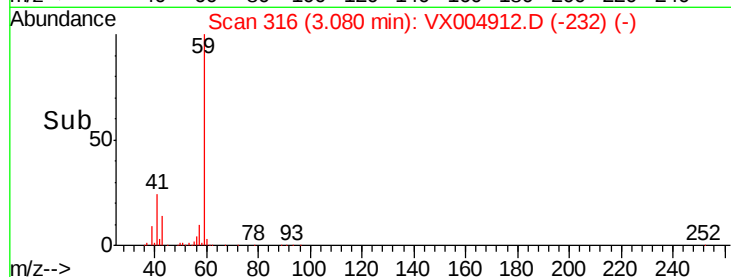
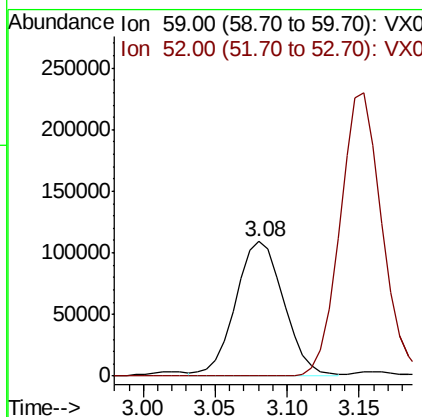
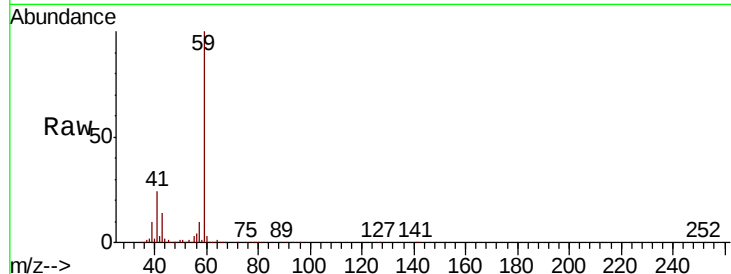
tert-Butyl Alcohol
Concen: 243.515 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.1	0.1#

Manual Integrations
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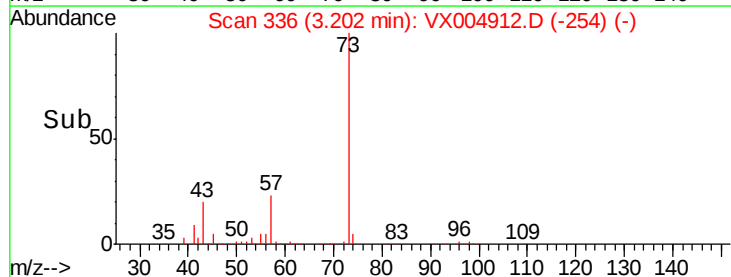
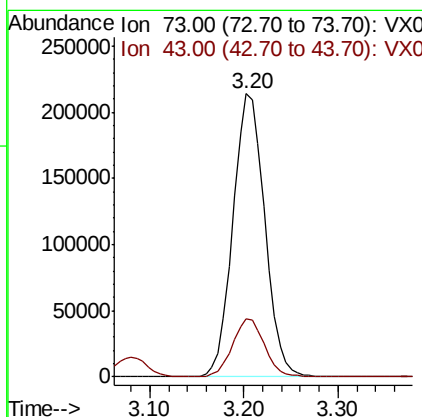
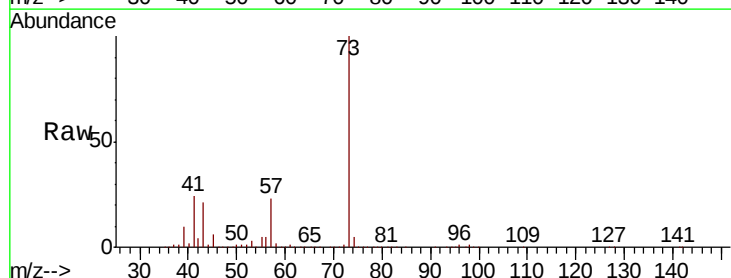
MMDadoda
10/3/2018 4:23:24 PM

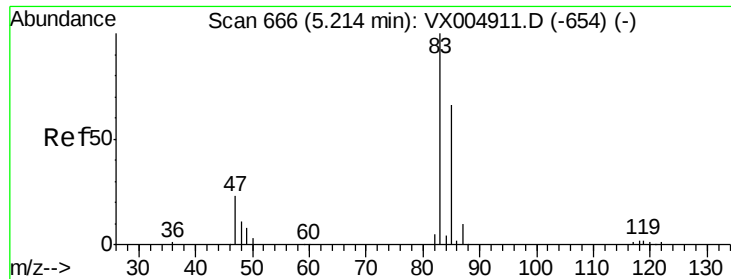


#24

Methyl tert-Butyl Ether
Concen: 49.970 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.3	16.3	24.5





#25

Chloroform

Concen: 50.225 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 83 Resp: 270819

Ion Ratio Lower Upper

83 100

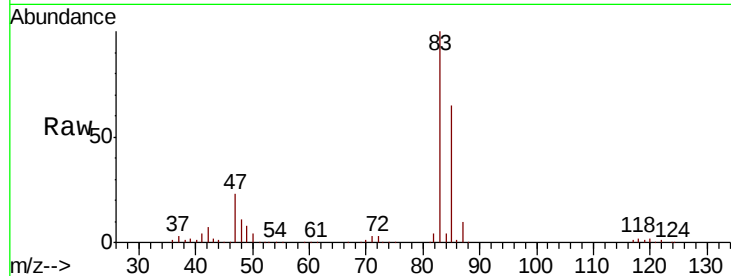
85 64.7 53.1 79.7

Manual Integrations

APPROVED

MMDadoda

10/3/2018 4:23:24 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

100000

80000

60000

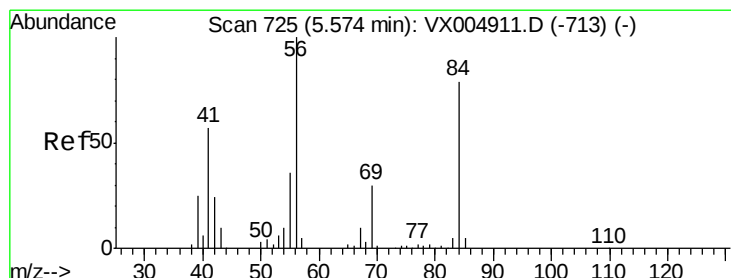
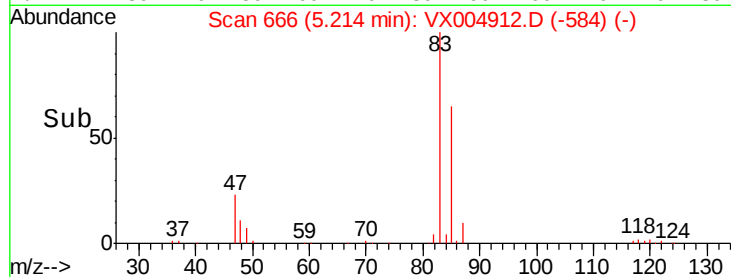
40000

20000

0

5.10 5.20 5.30

Time-->



#26

Cyclohexane

Concen: 50.616 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

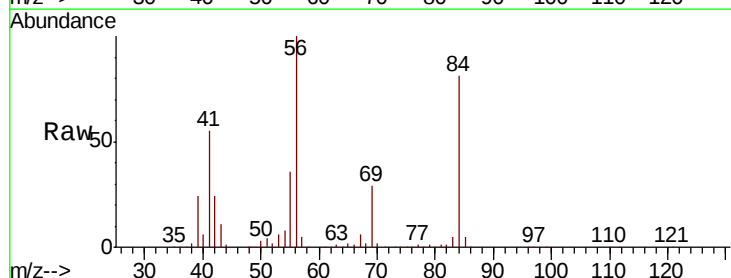
Tgt Ion: 56 Resp: 248873

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 82.7 65.8 98.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

150000

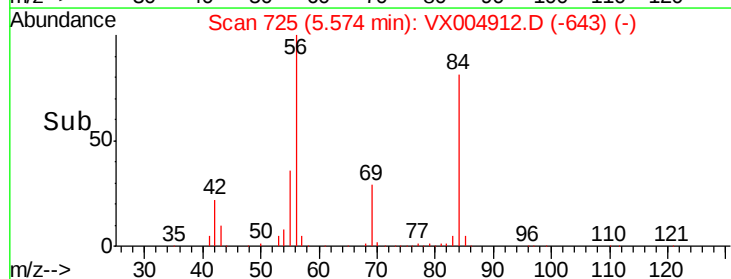
100000

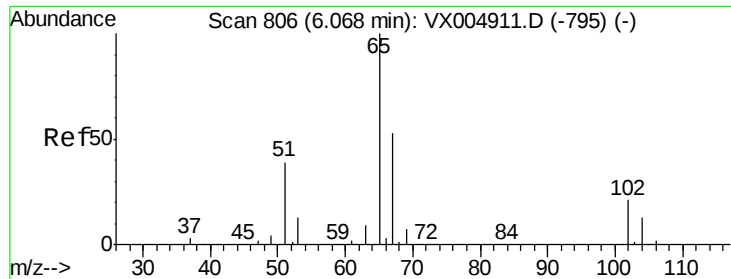
50000

0

5.40 5.50 5.60 5.70

Time-->





#27

1,2-Dichloroethane-d4

Concen: 29.954 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 65 Resp: 109097

Ion Ratio Lower Upper

65 100

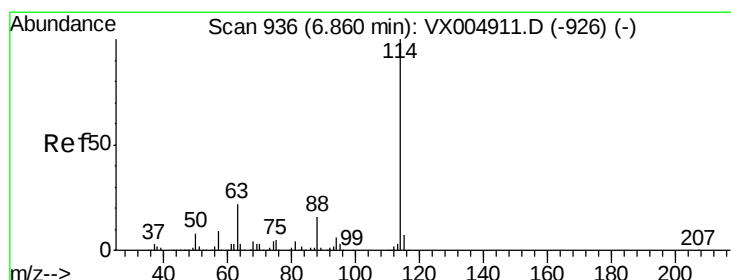
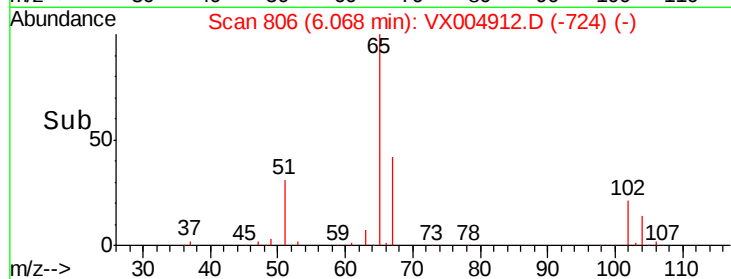
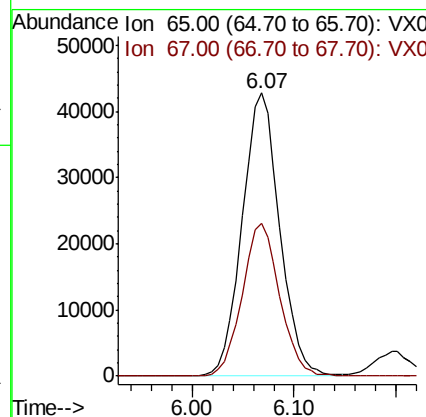
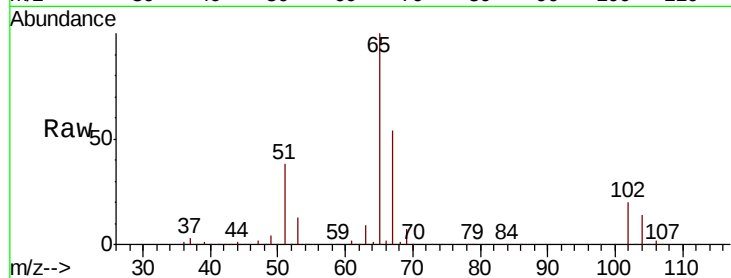
67 54.0 43.0 64.6

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

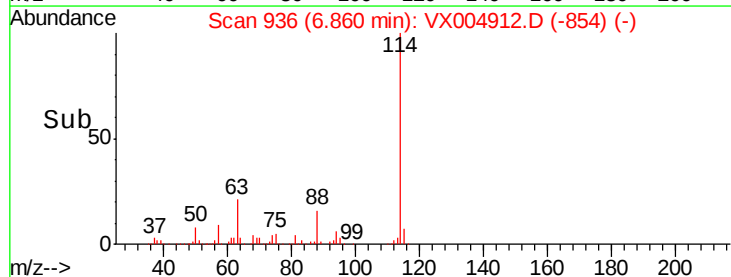
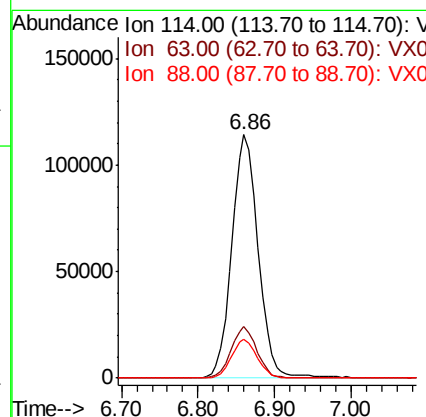
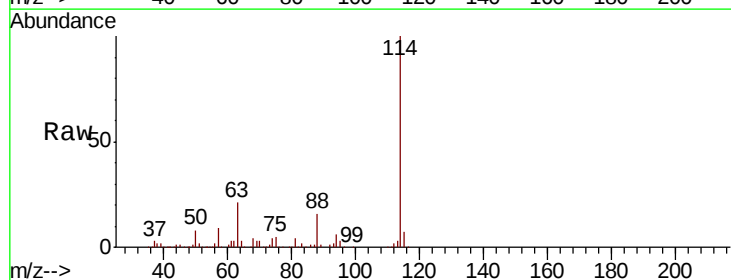
Tgt Ion: 114 Resp: 272540

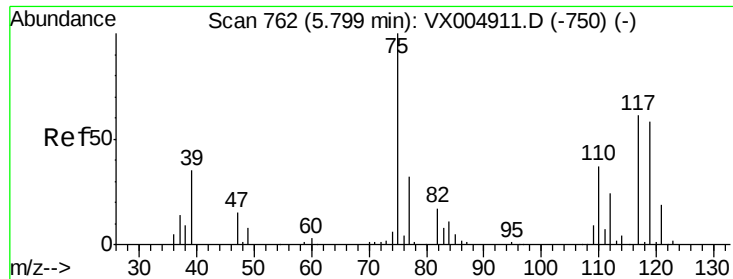
Ion Ratio Lower Upper

114 100

63 20.6 16.6 24.8

88 15.4 12.4 18.6





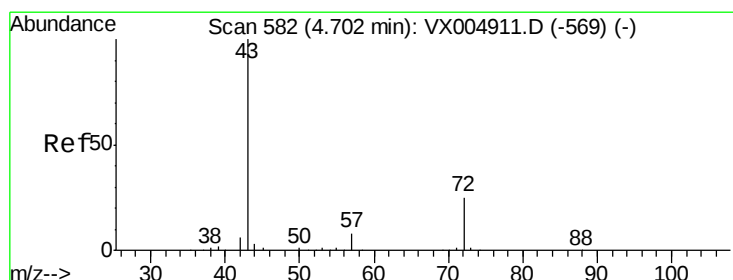
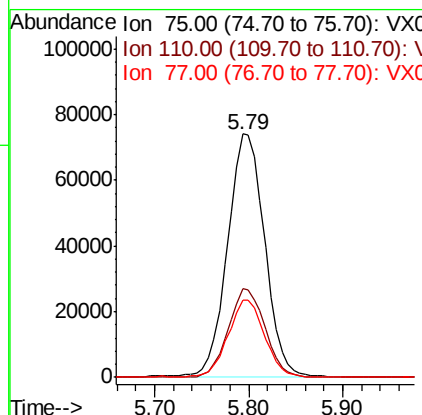
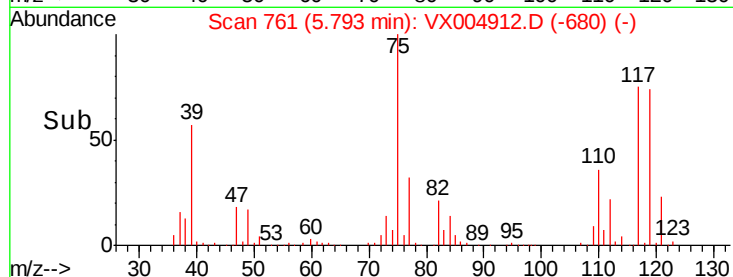
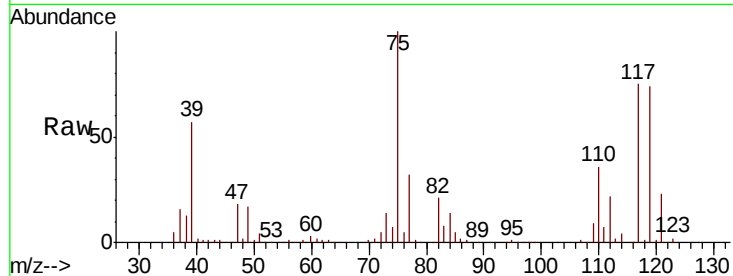
#29
 1,1-Dichloropropene
 Concen: 50.015 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.2	0.0	70.8
77	31.6	0.0	63.0

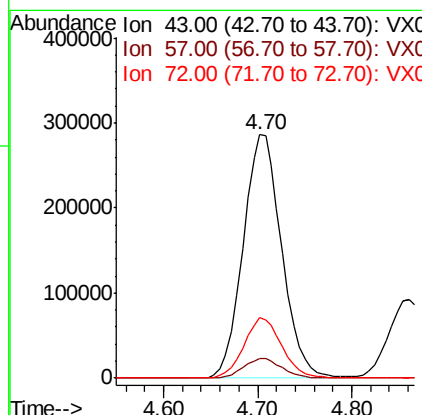
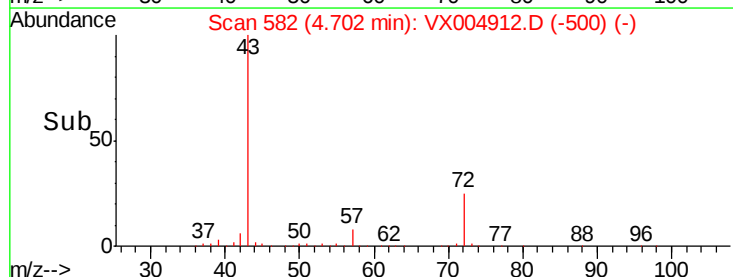
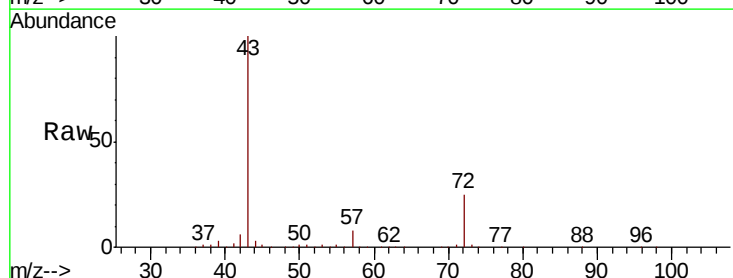
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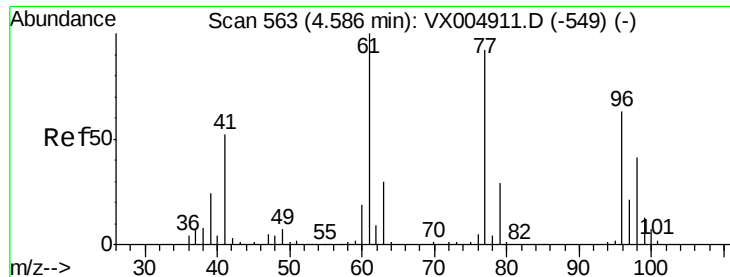
MMDadoda
 10/3/2018 4:23:24 PM



#30
 2-Butanone
 Concen: 249.003 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	6.2	9.4
72	24.3	19.7	29.5





#31

2,2-Dichloropropane

Concen: 49.498 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 219020

Ion Ratio Lower Upper

77 100

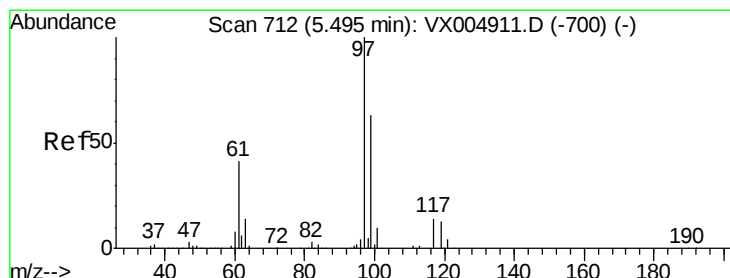
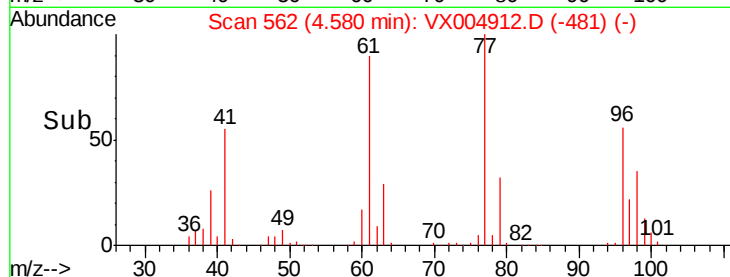
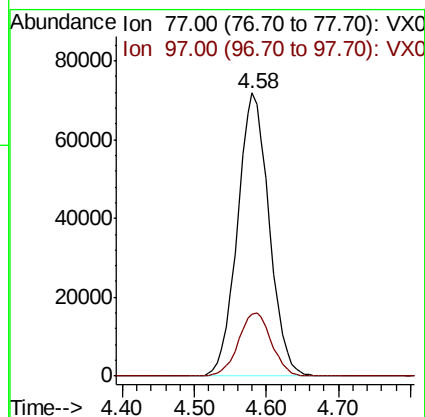
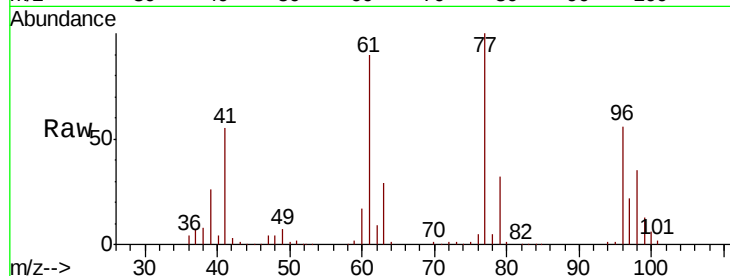
97 23.2 18.5 27.7

Manual Integrations

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MMDadoda

10/3/2018 4:23:24 PM



#32

1,1,1-Trichloroethane

Concen: 50.003 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

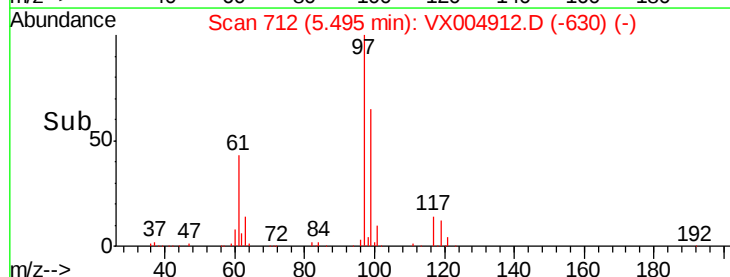
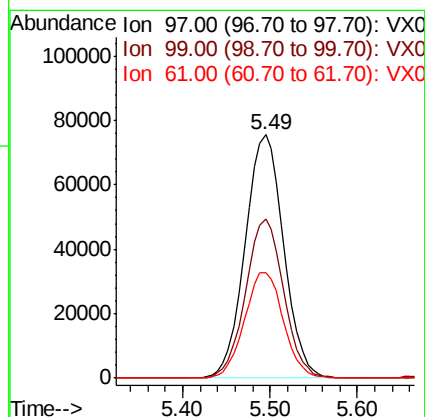
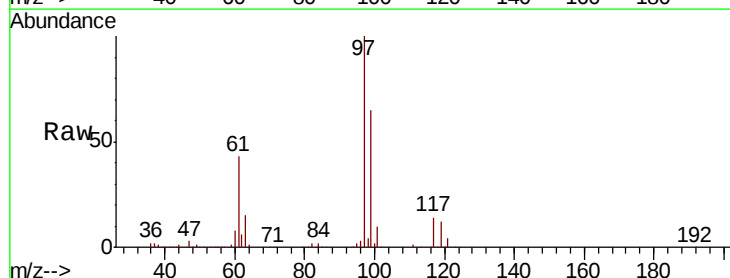
Tgt Ion: 97 Resp: 231814

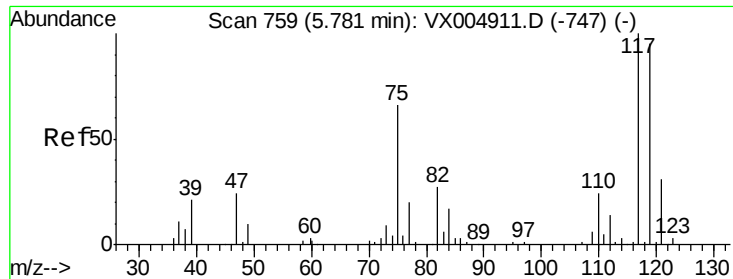
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.6

61 43.9 35.8 53.6





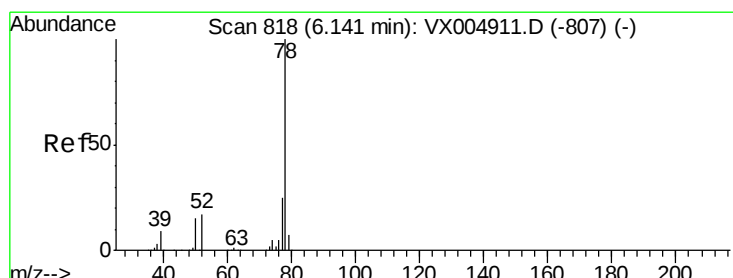
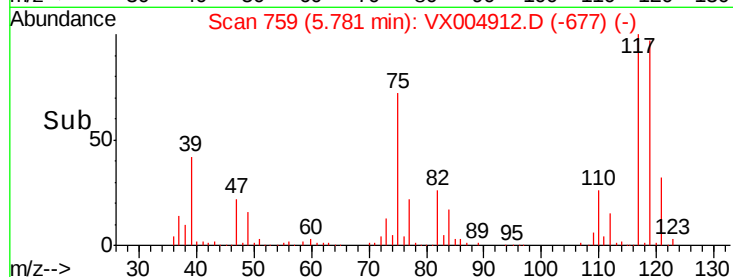
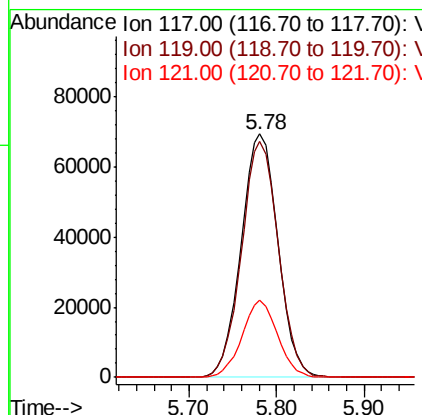
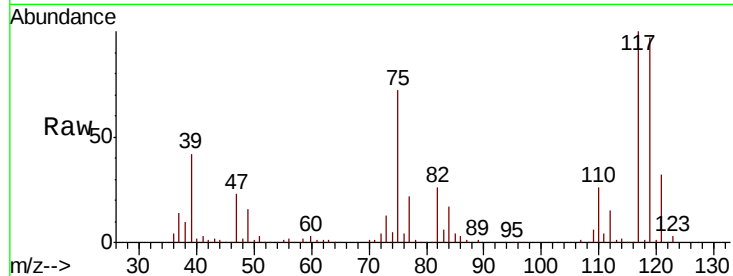
#33
Carbon Tetrachloride
Concen: 49.919 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.2	114.4
121	32.0	25.2	37.8

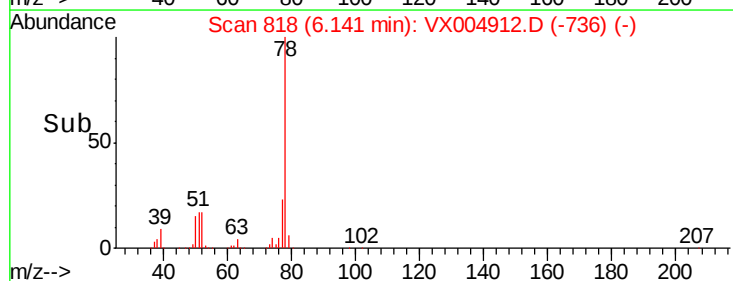
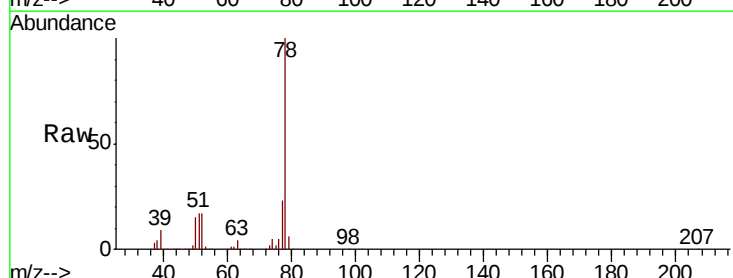
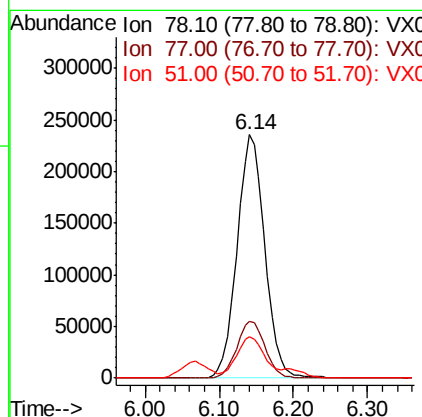
Manual Integrations
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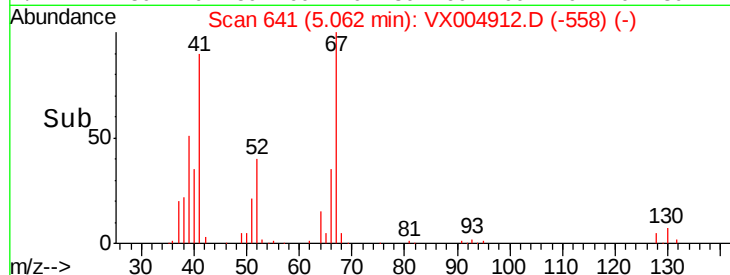
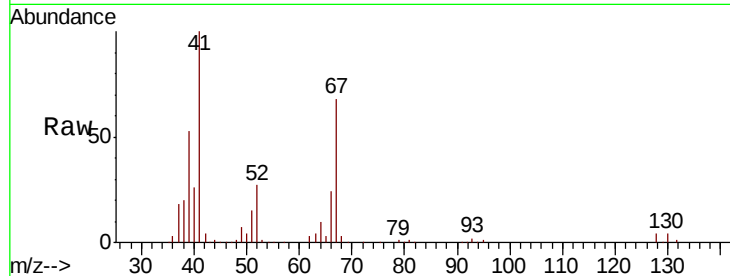
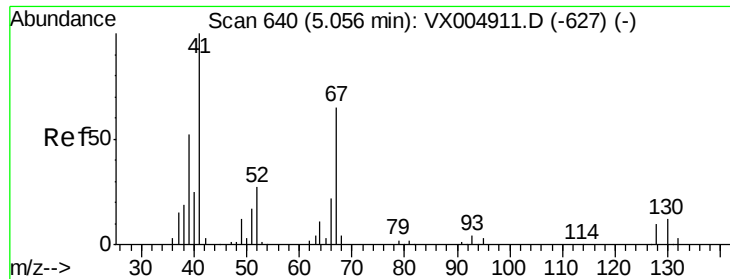
MMDadoda
10/3/2018 4:23:24 PM



#34
Benzene
Concen: 50.204 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.8	29.8
51	16.7	13.8	20.6





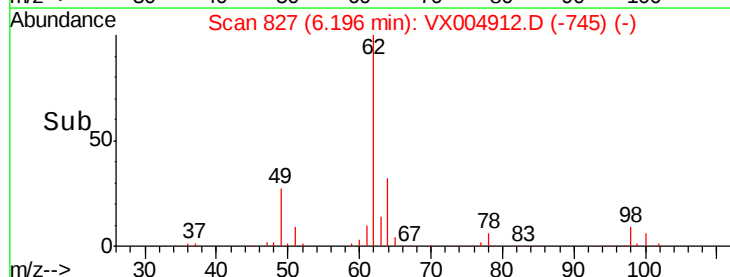
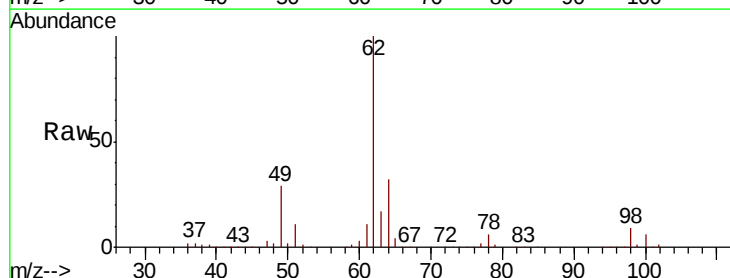
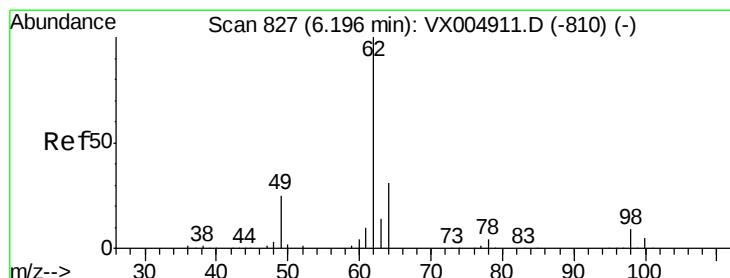
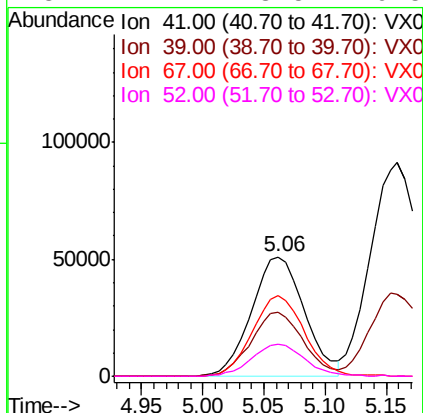
#35
Methacrylonitrile
Concen: 50.348 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		153419		
39	53.3	26.1	78.3		
67	67.9	32.3	96.9		
52	27.2	13.5	40.5		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

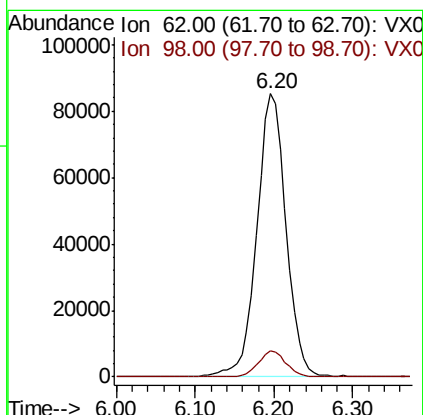
Manual Integrations
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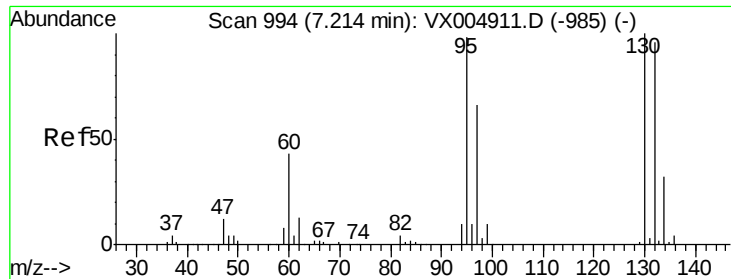
MMDadoda
10/3/2018 4:23:24 PM



#36
1,2-Dichloroethane
Concen: 49.792 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		219529		
98	8.8	7.5	11.3		





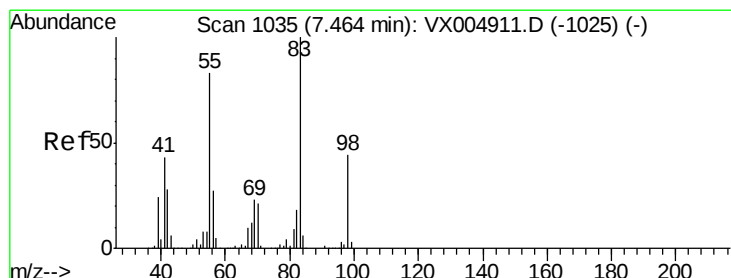
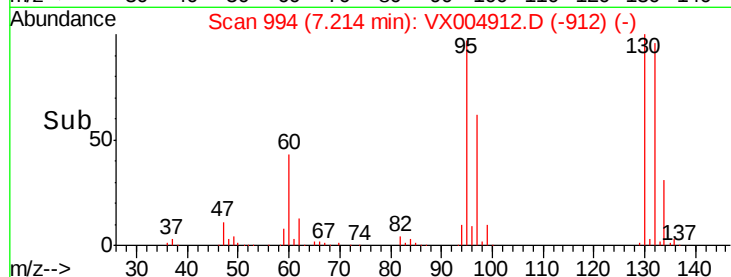
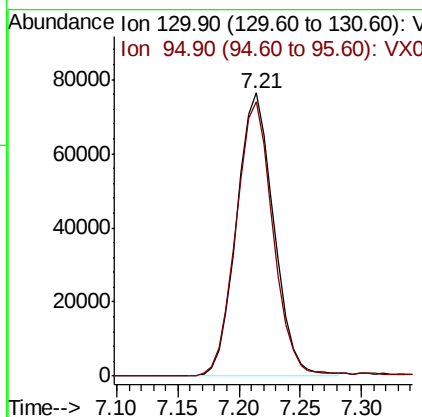
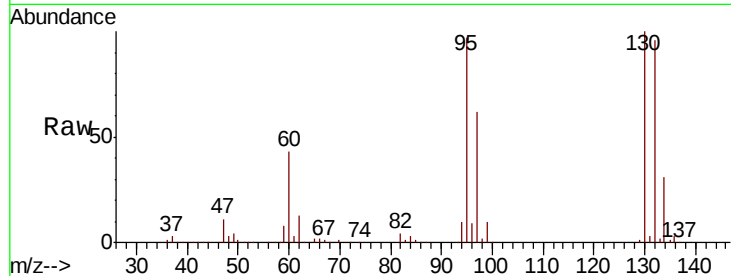
#37
 Trichloroethene
 Concen: 49.870 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 160767
 Ion Ratio Lower Upper
 130 100
 95 97.2 78.5 117.7

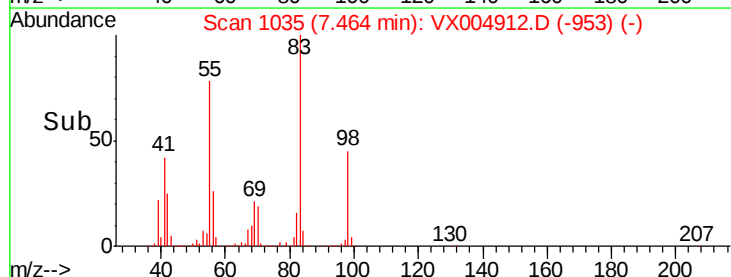
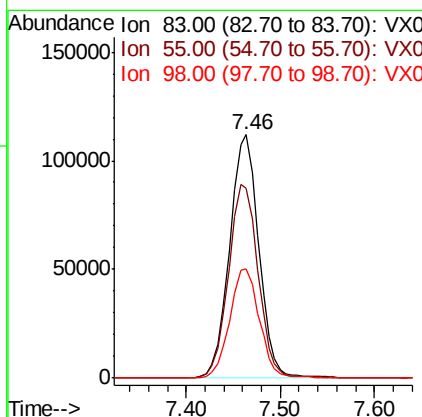
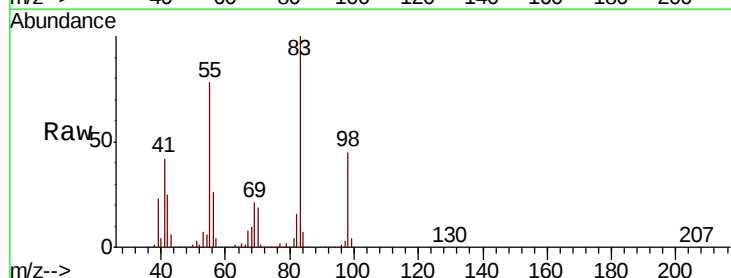
Manual Integrations
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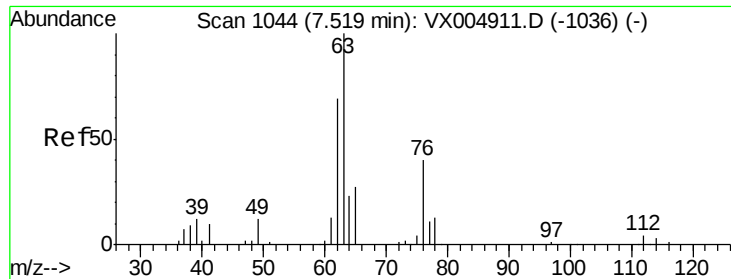
MMDadoda
 10/3/2018 4:23:24 PM



#38
 Methylcyclohexane
 Concen: 50.572 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 83 Resp: 242148
 Ion Ratio Lower Upper
 83 100
 55 80.7 41.8 125.3
 98 45.8 22.4 67.3





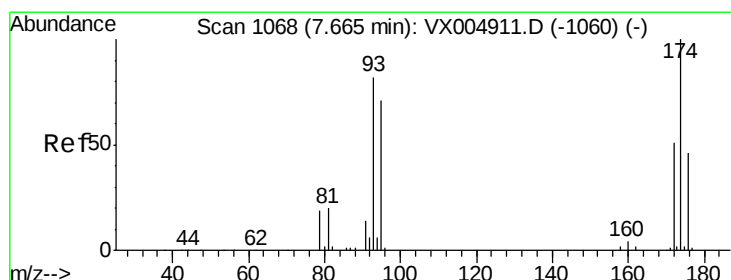
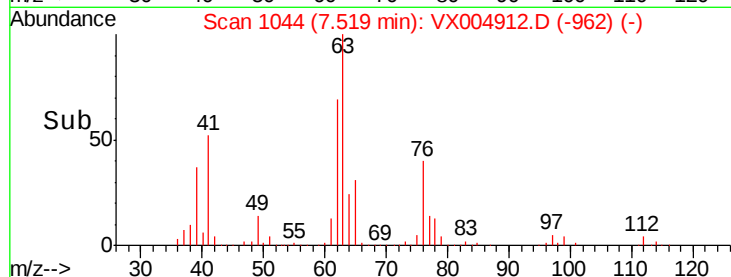
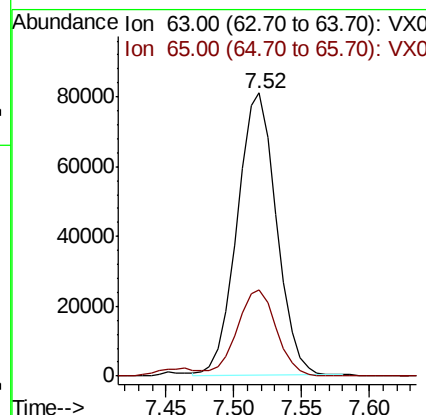
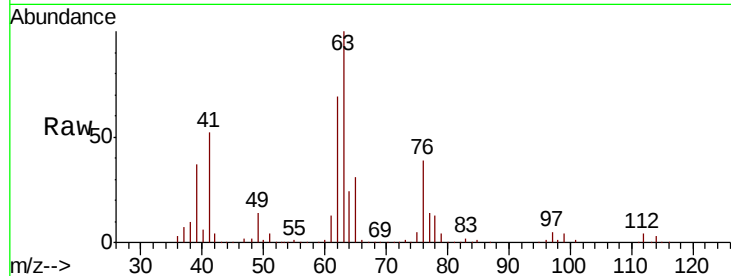
#39
 1,2-Dichloropropane
 Concen: 50.009 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 163072
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.2 34.8

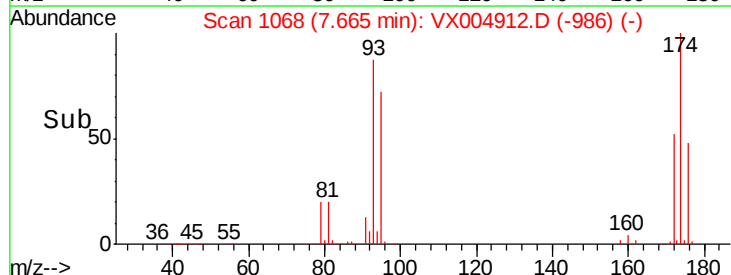
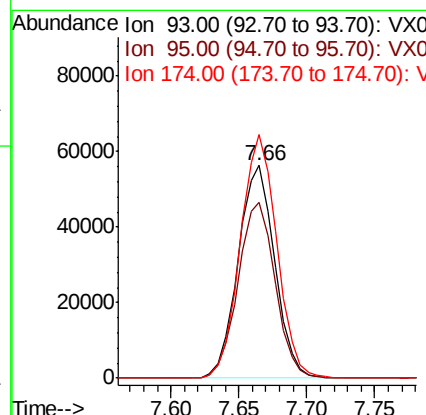
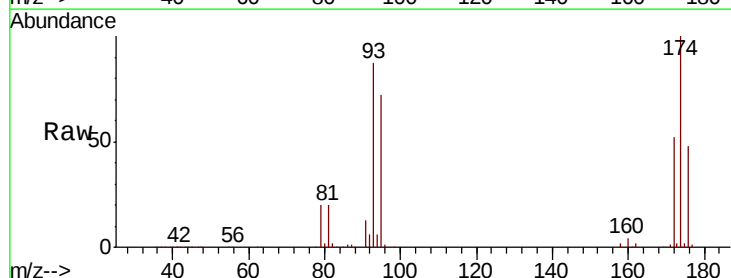
Manual Integrations
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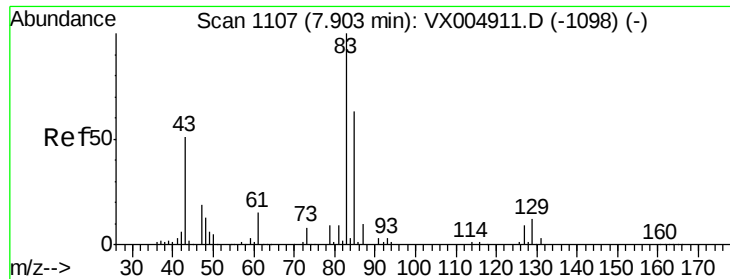
MMDadoda
 10/3/2018 4:23:24 PM



#40
 Dibromomethane
 Concen: 50.083 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion: 93 Resp: 105850
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 172.4
 174 114.5 0.0 234.0





#41

Bromodichloromethane

Concen: 50.044 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

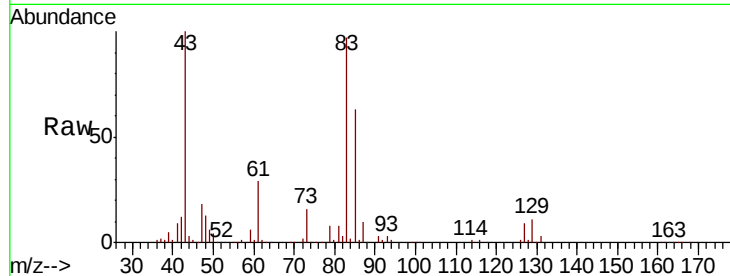
ClientSampleId :

VSTDIC050

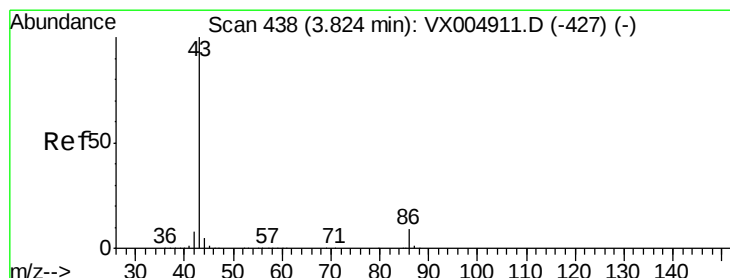
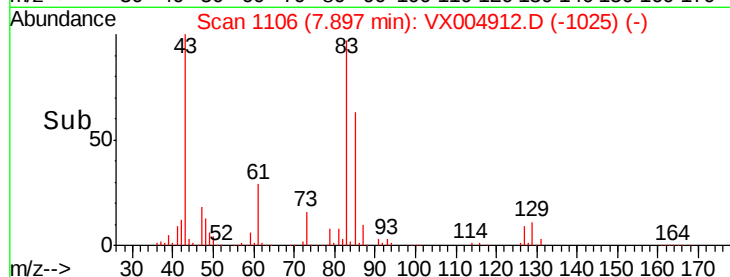
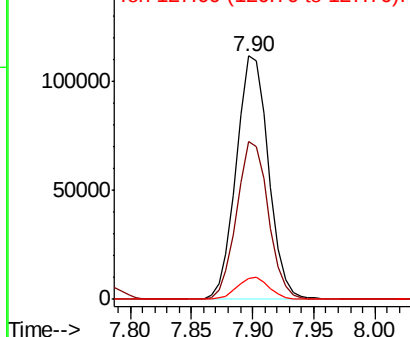
Tot Ion:	83	Resp:	203901
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.2	75.4
127	8.7	6.9	10.3

Manual Integrations
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10/3/2018 4:23:24 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 248.685 ug/l

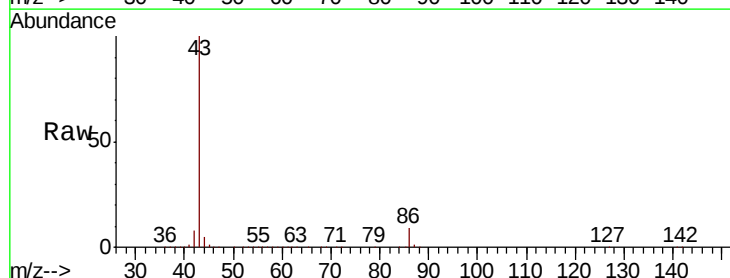
RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

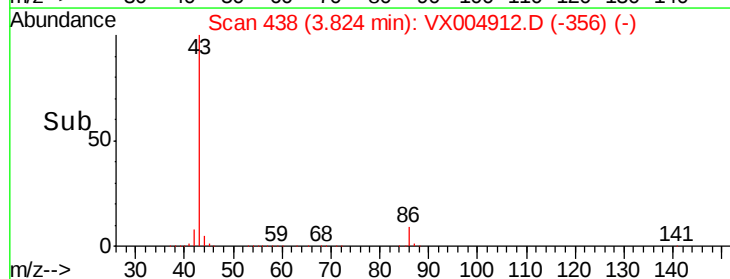
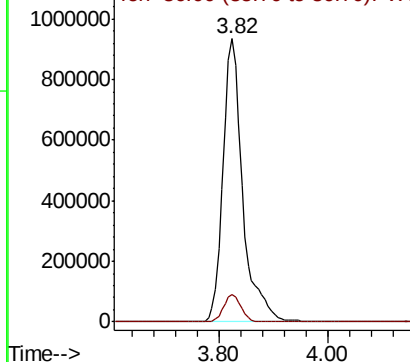
Lab File: VX004912.D

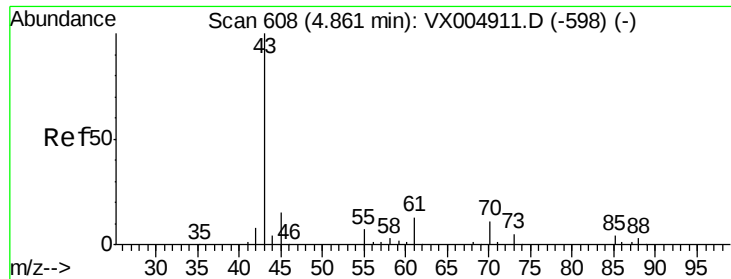
Acq: 02 Oct 2018 10:58

Tgt Ion:	43	Resp:	2359102
Ion Ratio	Lower	Upper	
43	100		
86	8.5	6.6	10.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





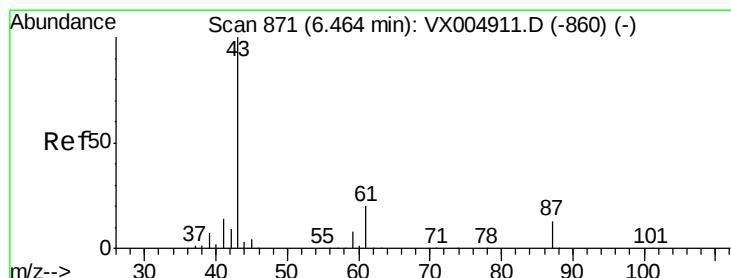
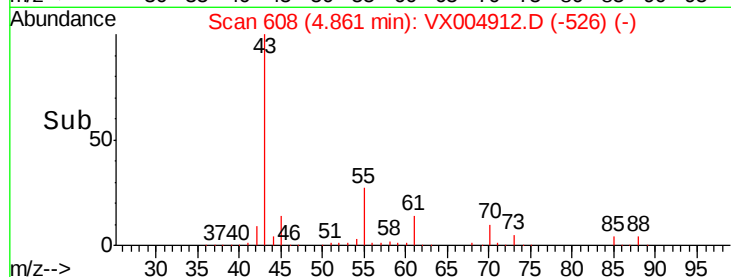
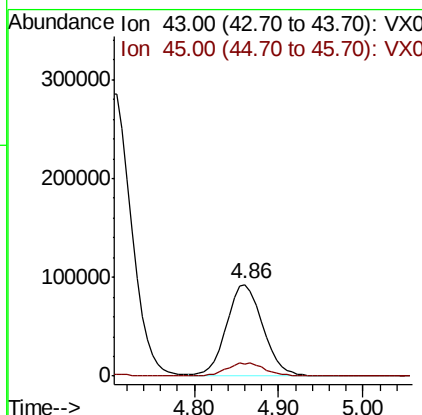
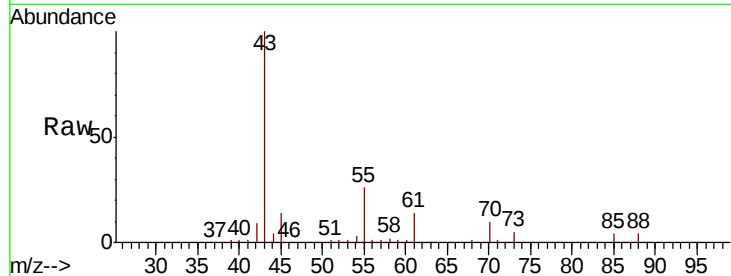
#43
Ethyl Acetate
Concen: 50.568 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	43	45	Ratio	Lower	Upper
273516	100	15.0		12.3	18.5

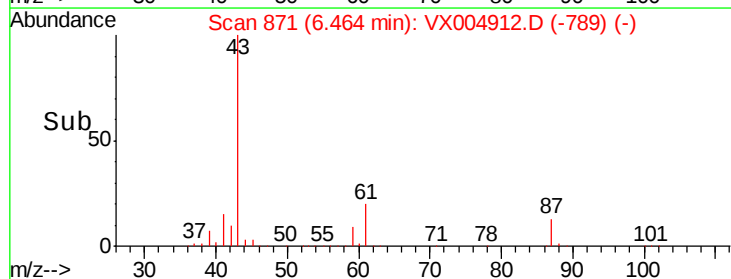
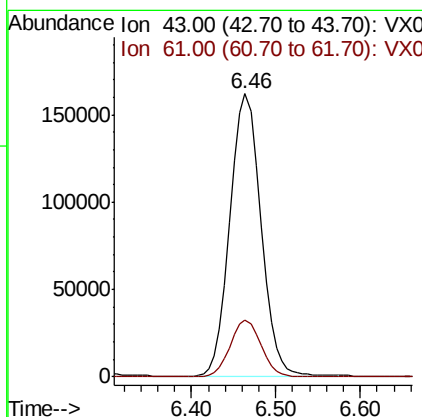
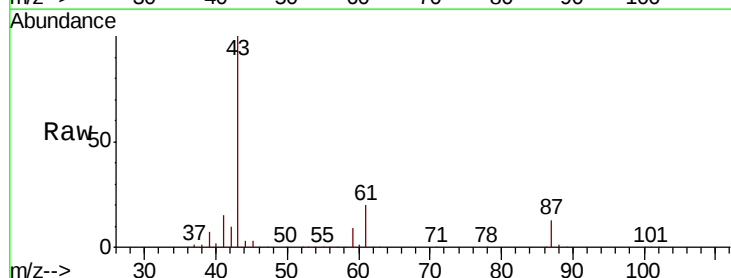
Manual Integrations
APPROVED

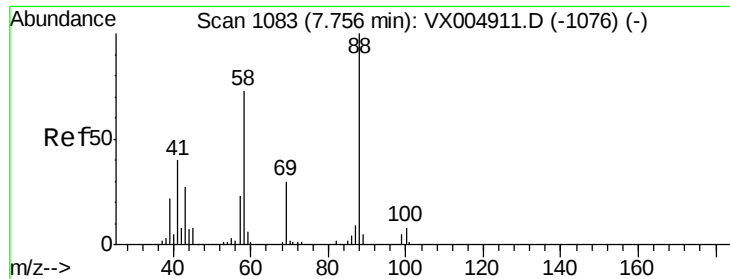
MMDadoda
10/3/2018 4:23:24 PM



#44
Isopropyl Acetate
Concen: 50.266 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	43	61	Ratio	Lower	Upper
405732	100	19.8		15.7	23.5





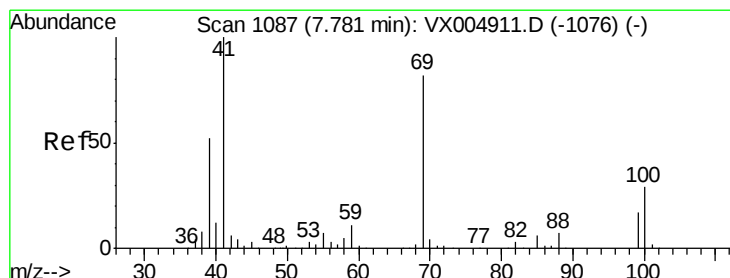
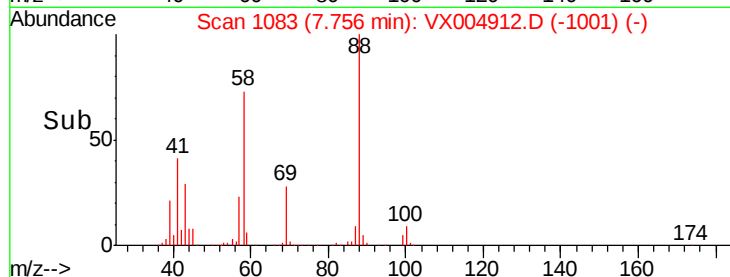
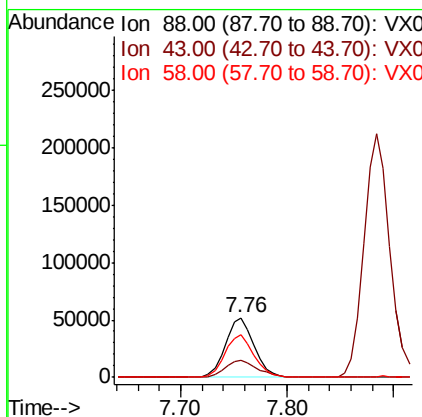
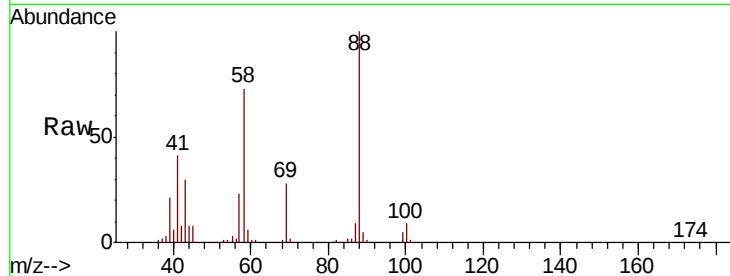
#45
1,4-Dioxane
Concen: 1025.036 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.4	38.0
58	73.4	61.0	91.6

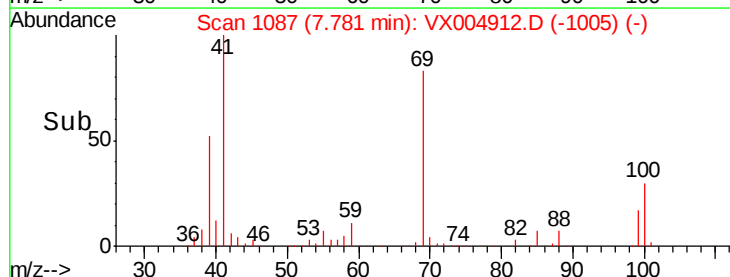
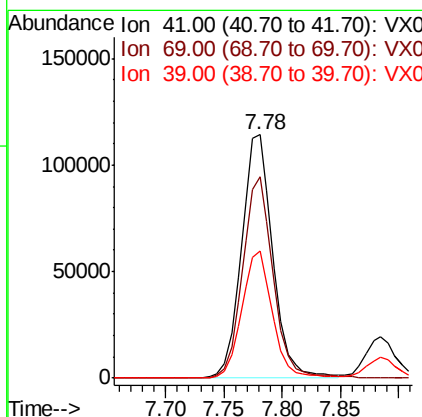
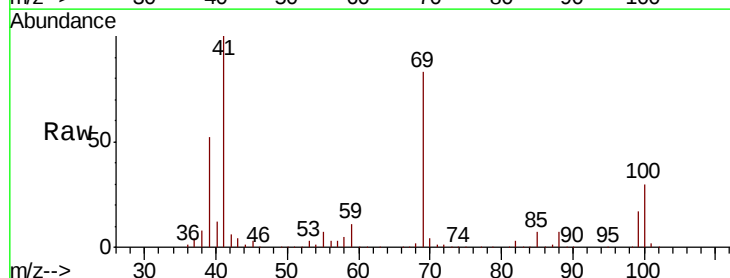
Manual Integrations
APPROVED

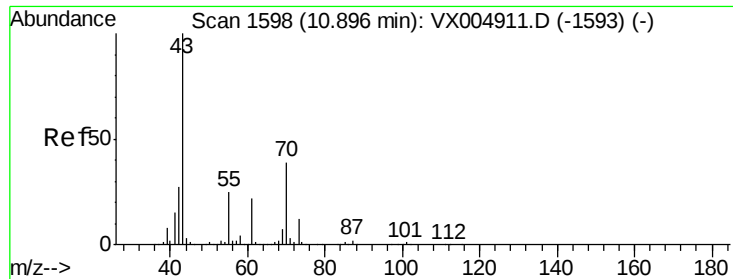
MMDadoda
10/3/2018 4:23:24 PM



#46
Methyl methacrylate
Concen: 50.813 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.8	41.0	123.0
39	52.0	25.9	77.7





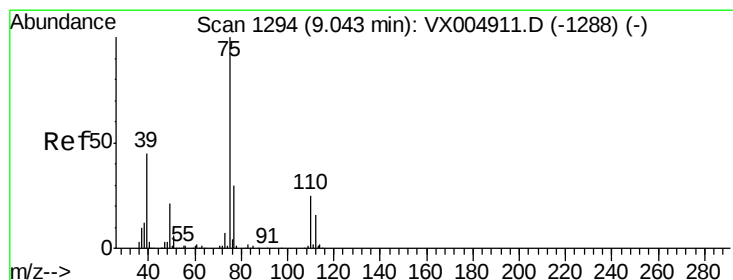
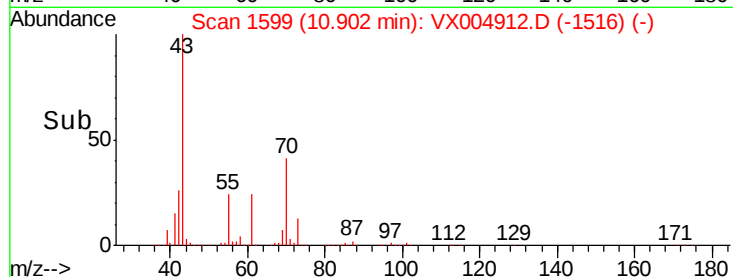
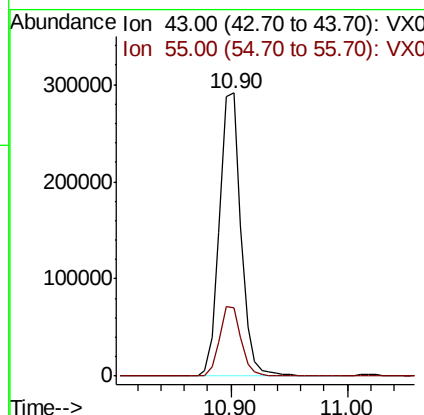
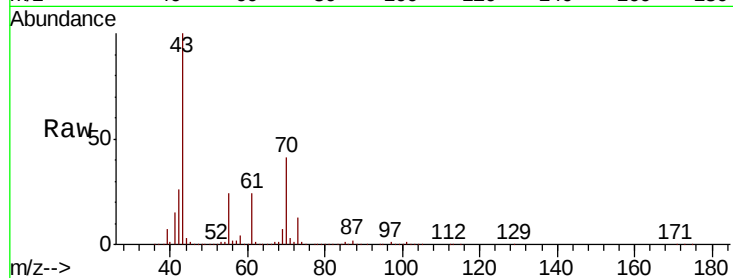
#47
n-amvl Acetate
Concen: 49.727 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 370318
Ion Ratio Lower Upper
43 100
55 24.4 20.0 30.0

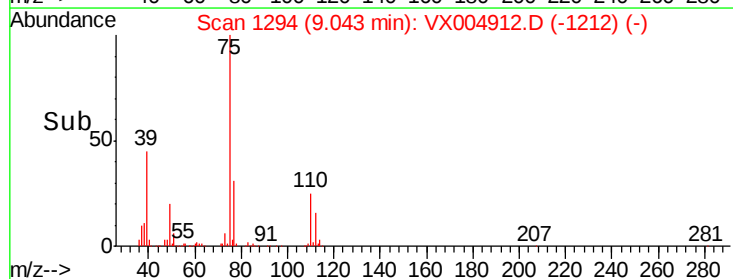
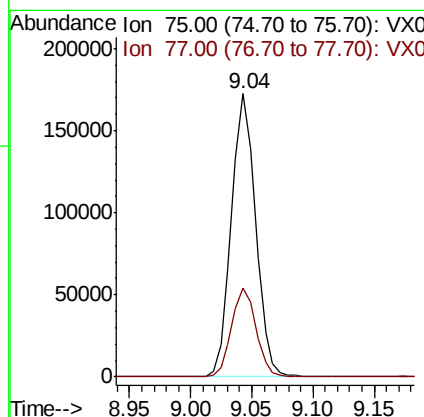
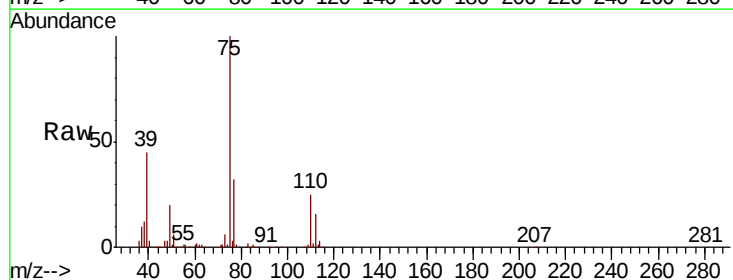
Manual Integrations
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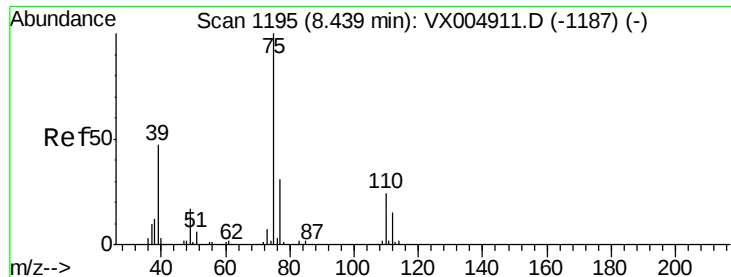
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 47.961 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion: 75 Resp: 236807
Ion Ratio Lower Upper
75 100
77 31.5 24.4 36.6





#49

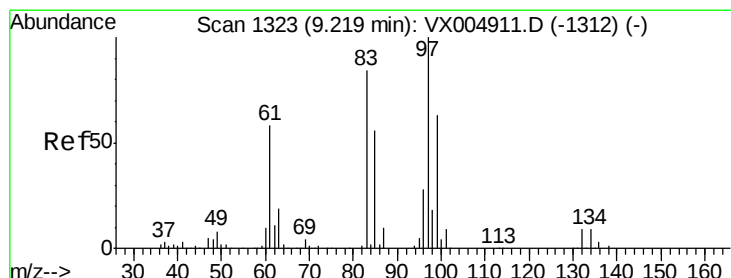
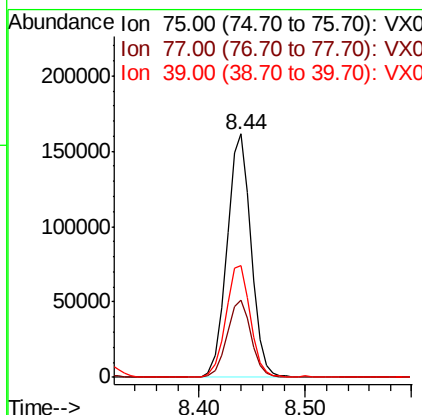
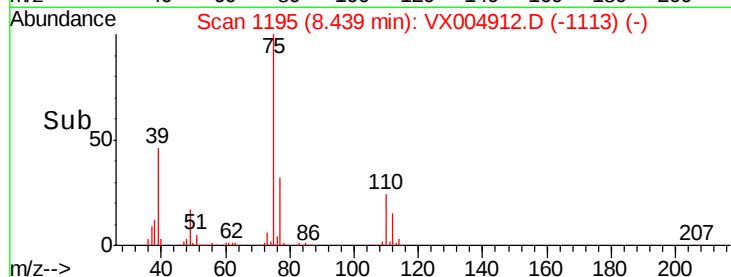
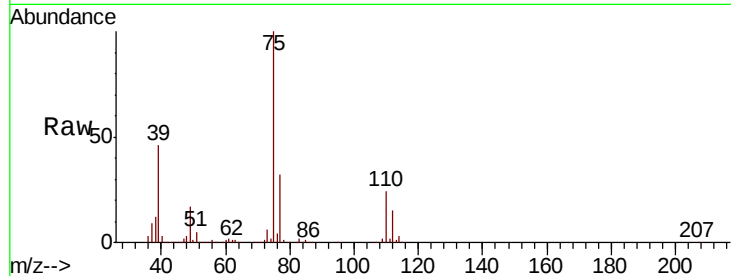
cis-1,3-Dichloropropene
 Concen: 53.394 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.9	37.3
39	45.6	38.0	57.0

Manual Integrations
 APPROVED

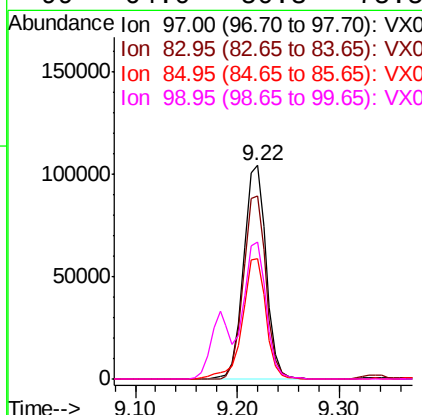
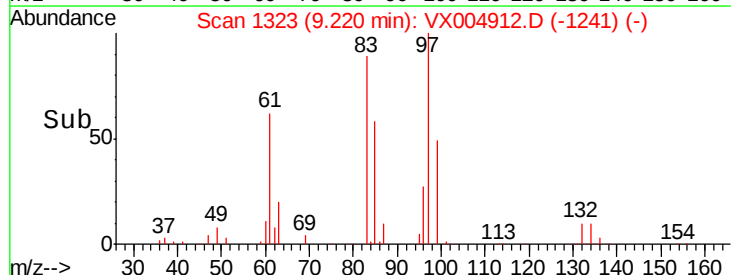
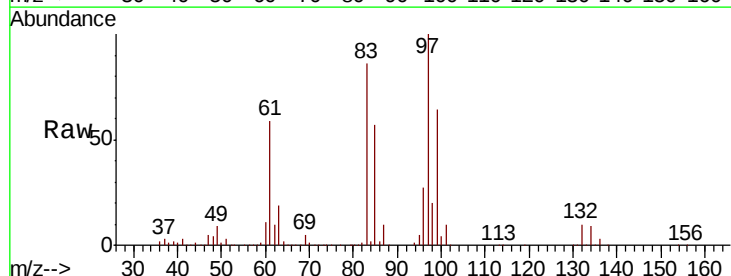
MMDadoda
 10/3/2018 4:23:24 PM

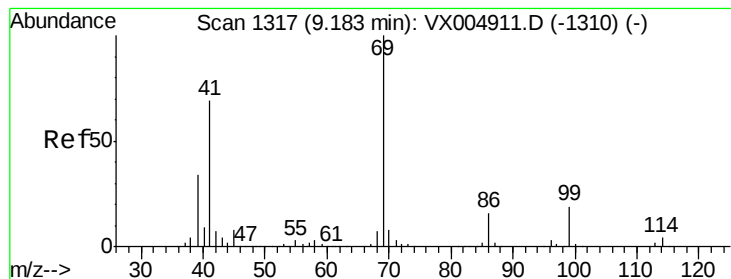


#50

1,1,2-Trichloroethane
 Concen: 49.903 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.2	100.8
85	56.6	44.7	67.1
99	64.0	50.3	75.5





#51

Ethyl methacrylate

Concen: 50.805 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

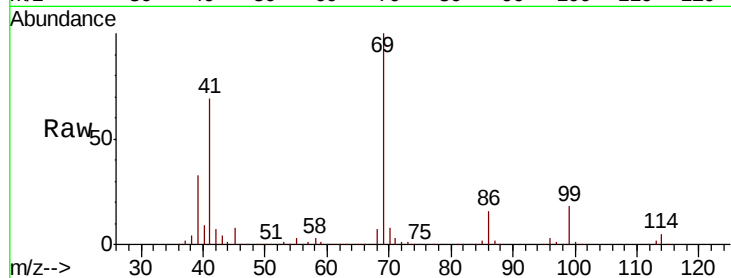
ClientSampleId :

VSTDIC050

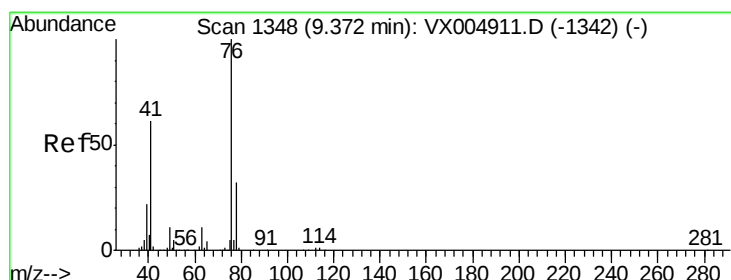
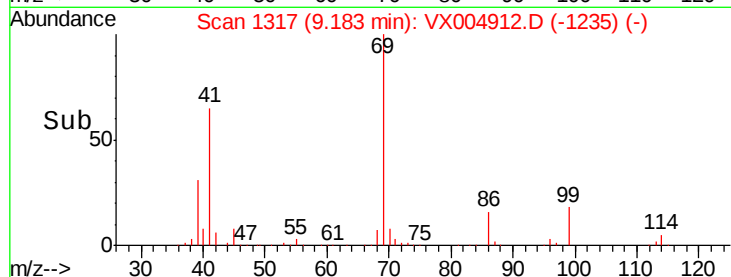
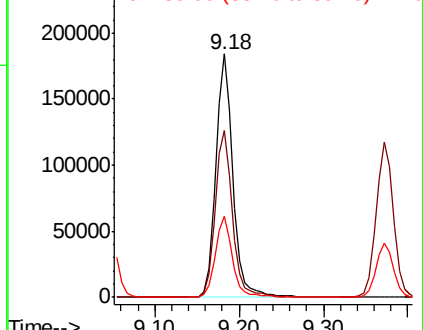
Tot Ion:	69	Resp:	257995
Ion Ratio	Lower	Upper	
69	100		
41	68.7	34.6	103.9
39	33.4	17.0	51.0

Manual Integrations
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Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 49.770 ug/l

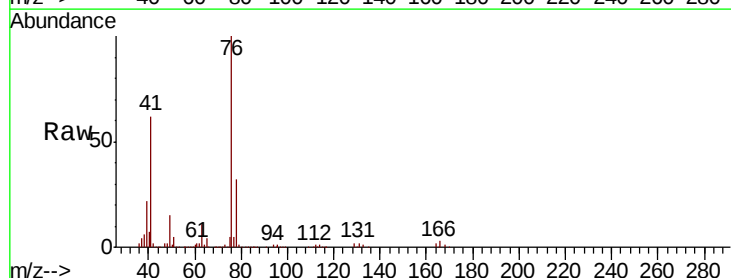
RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

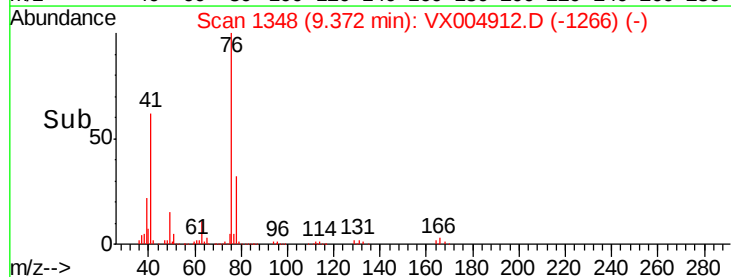
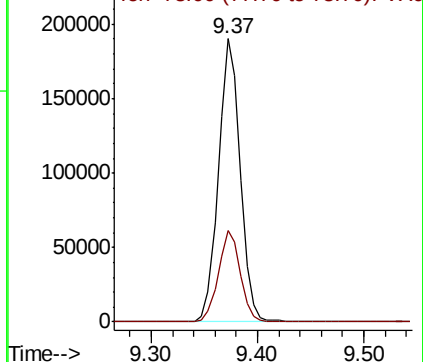
Lab File: VX004912.D

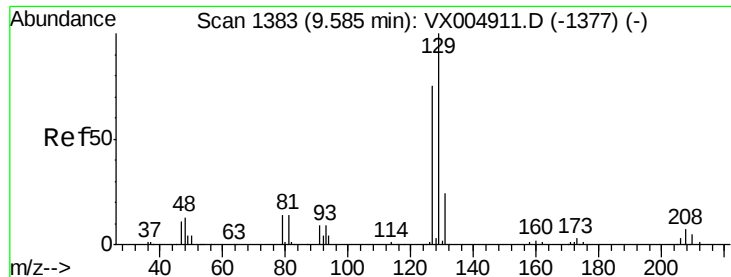
Acq: 02 Oct 2018 10:58

Tgt Ion:	76	Resp:	268670
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	64.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 50.037 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 166111

Ion Ratio Lower Upper

129 100

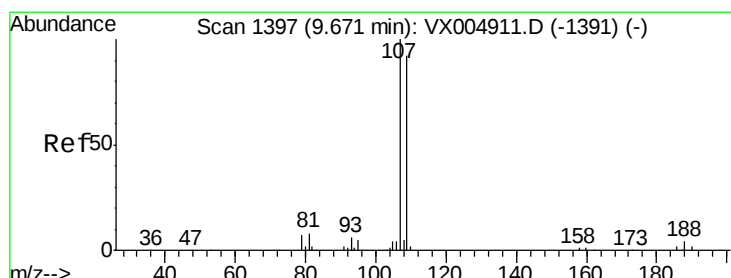
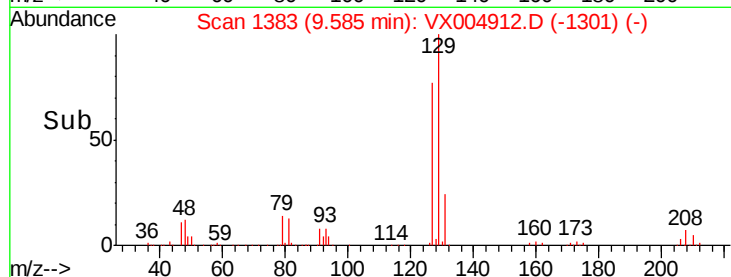
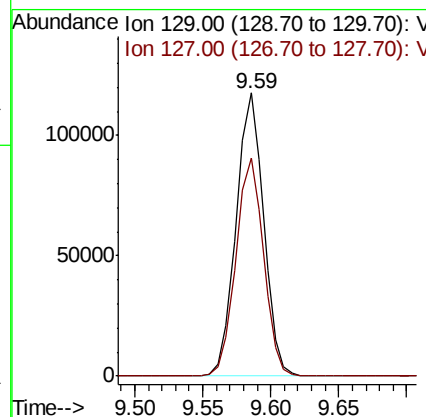
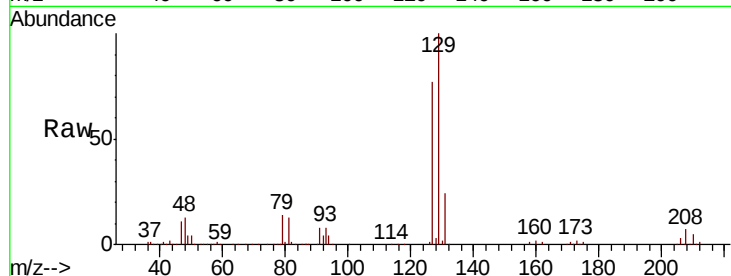
127 77.5 38.3 114.9

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 49.666 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX004912.D

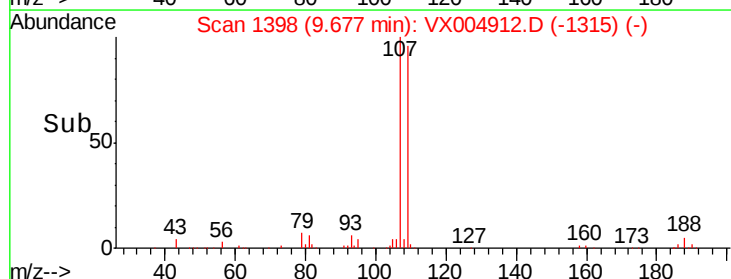
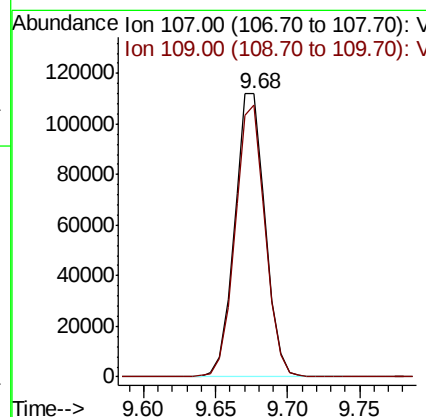
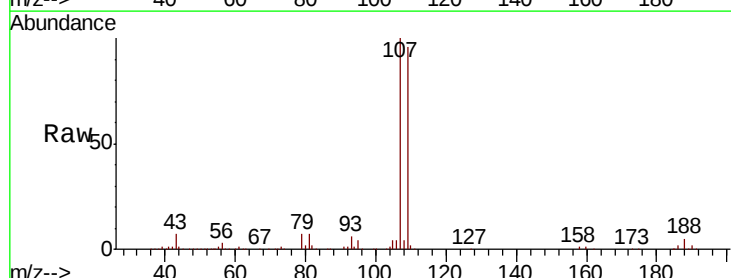
Acq: 02 Oct 2018 10:58

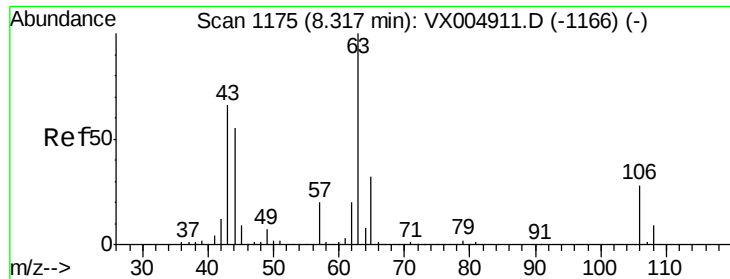
Tgt Ion:107 Resp: 165620

Ion Ratio Lower Upper

107 100

109 94.3 74.8 112.2





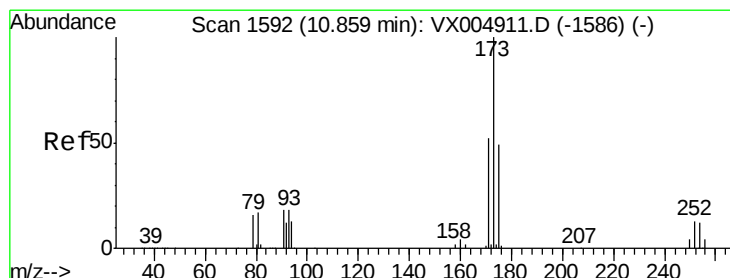
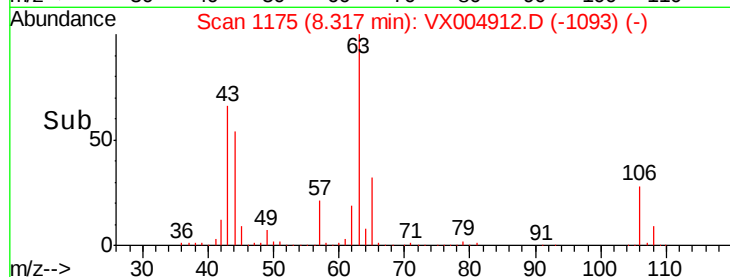
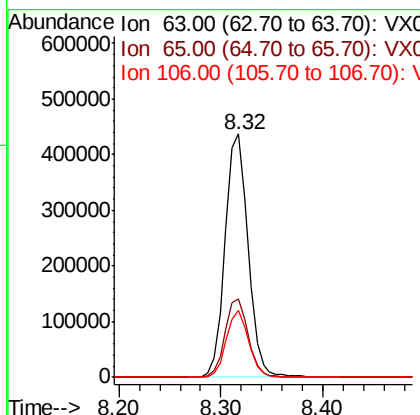
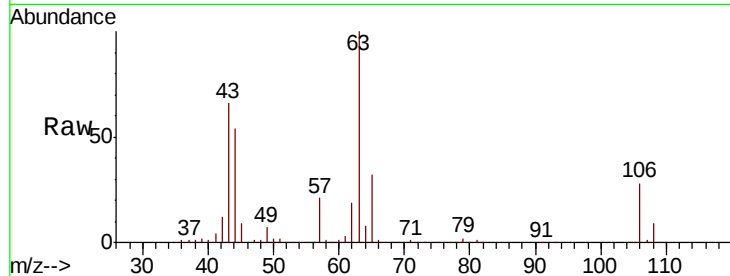
#55
2-Chloroethyl vinyl ether
Concen: 256.467 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9
106	26.7	21.8	32.6

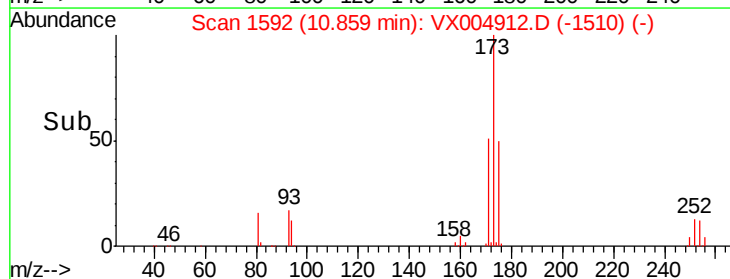
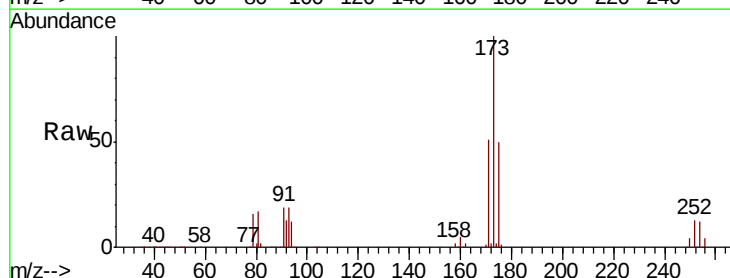
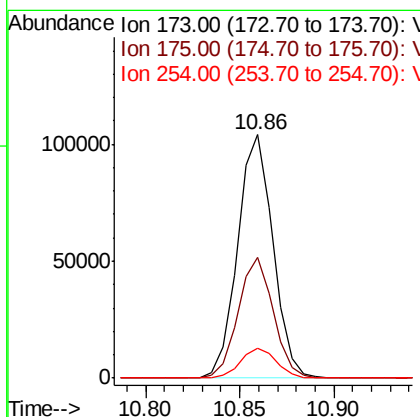
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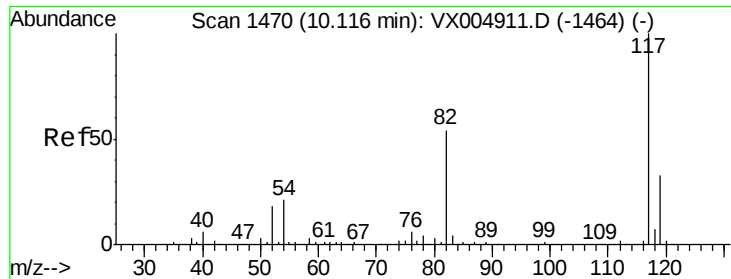
MMDadoda
10/3/2018 4:23:24 PM



#56
Bromoform
Concen: 48.668 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.7	59.5
254	12.6	9.6	14.4





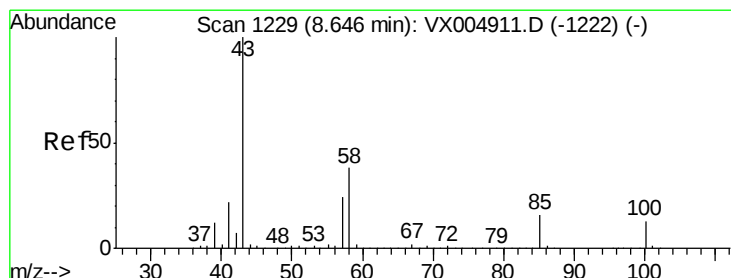
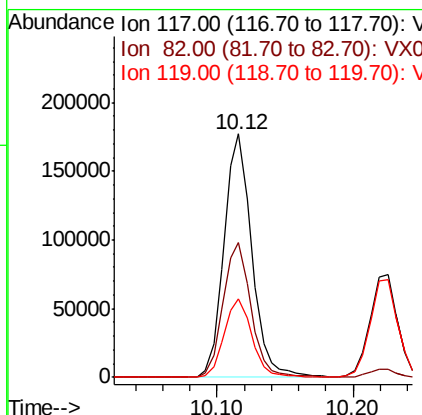
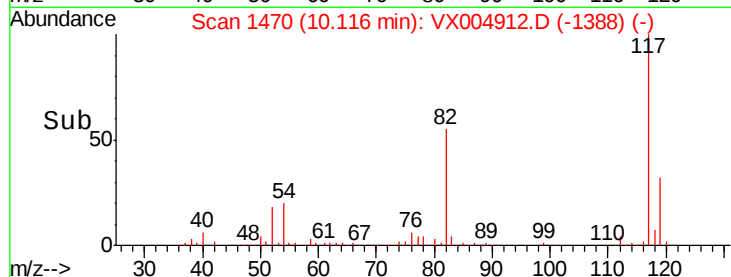
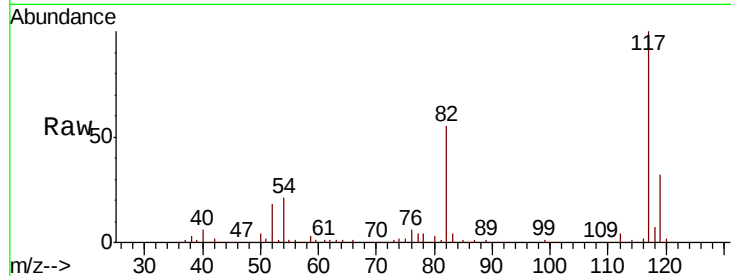
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.2	66.4
119	32.2	25.8	38.6

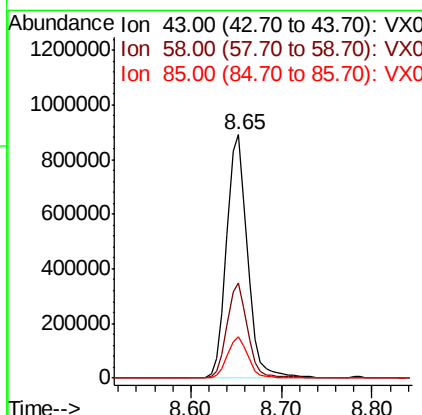
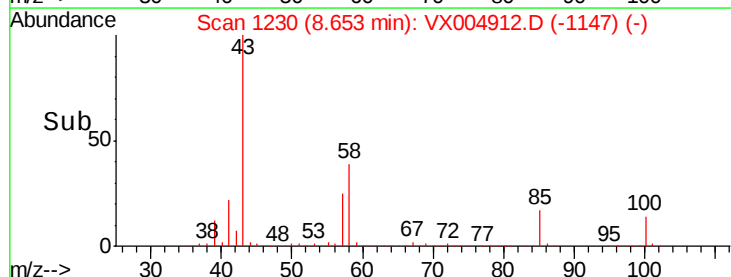
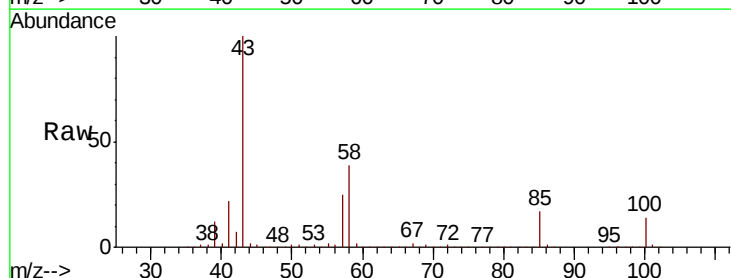
Manual Integrations
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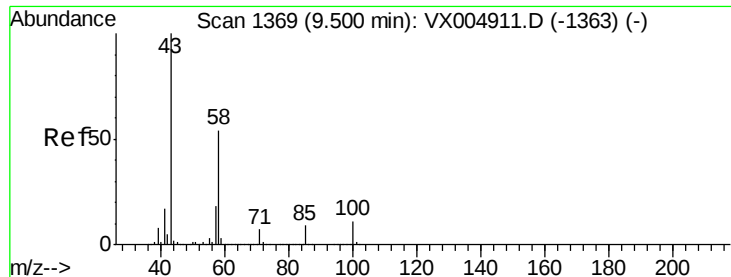
MMDadoda
10/3/2018 4:23:24 PM



#58
4-Methyl-2-Pentanone
Concen: 253.051 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.8	46.2
85	16.6	13.1	19.7





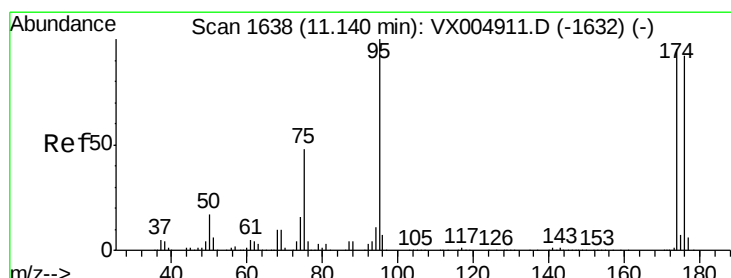
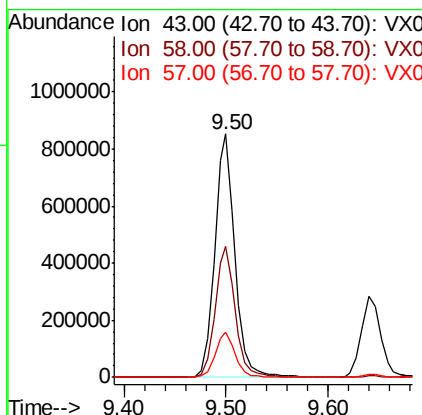
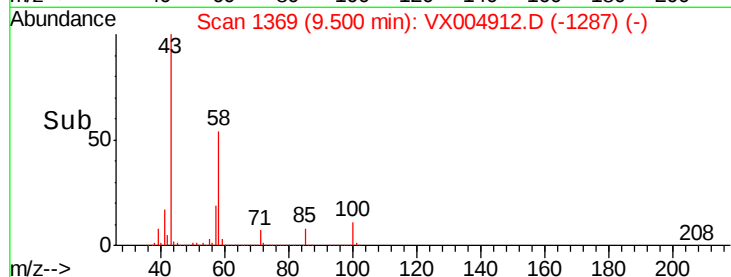
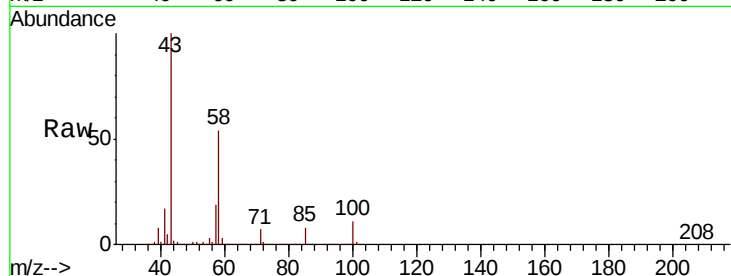
#59
2-Hexanone
Concen: 252.571 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	42.7	64.1
57	18.5	14.6	22.0

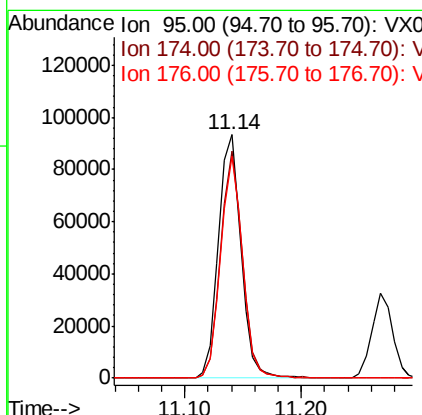
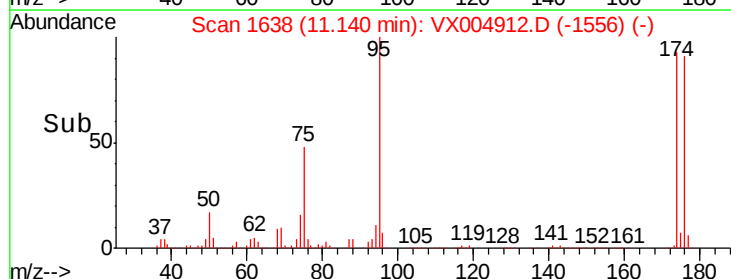
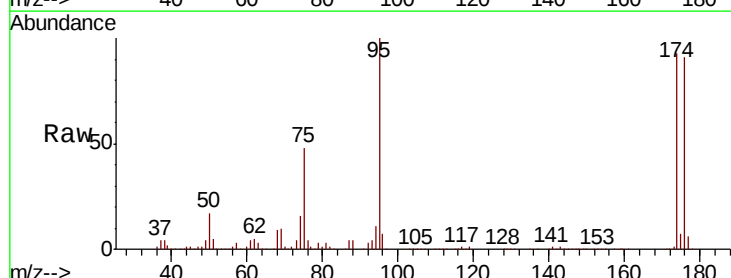
Manual Integrations
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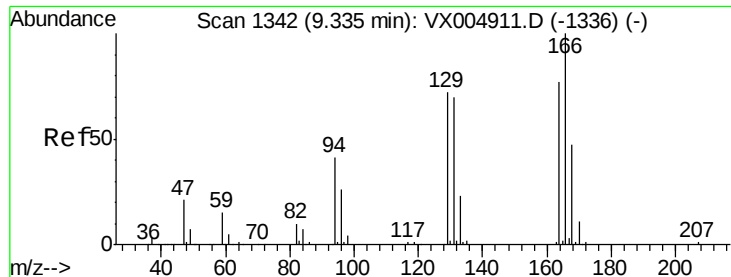
MMDadoda
10/3/2018 4:23:24 PM



#60
4-Bromofluorobenzene
Concen: 29.761 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	73.1	109.7
176	88.2	71.0	106.6





#61

Tetrachloroethene

Concen: 50.846 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 156190

Ion Ratio Lower Upper

164 100

166 126.4 104.0 156.0

129 90.0 75.1 112.7

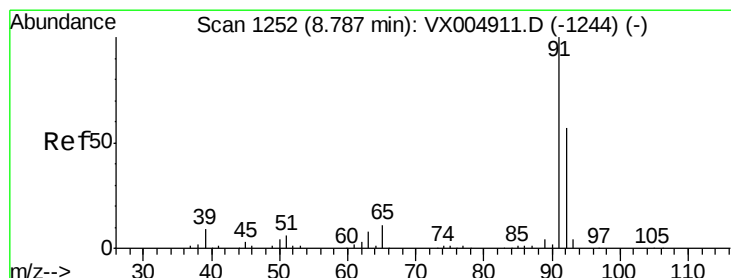
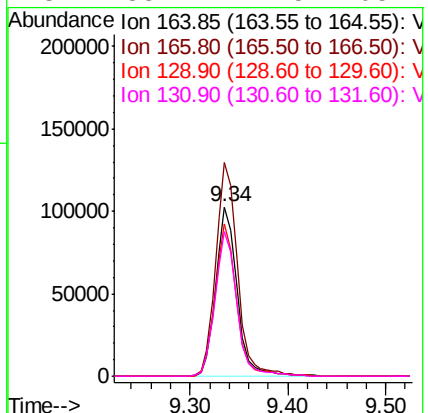
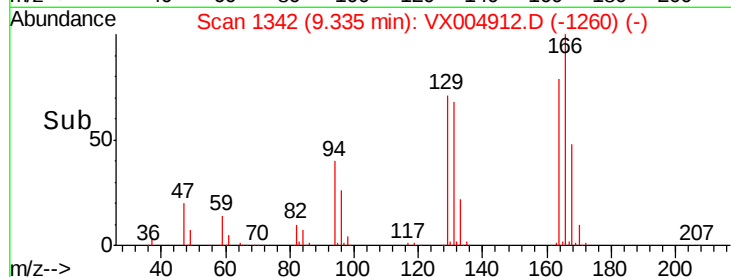
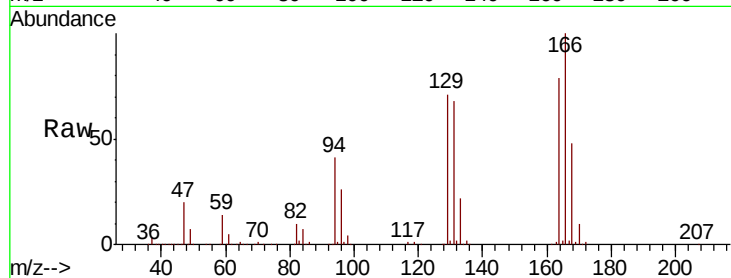
131 85.7 72.5 108.7

Manual Integrations

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#62

Toluene

Concen: 50.792 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004912.D

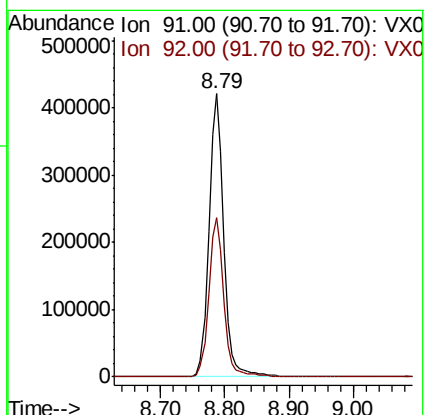
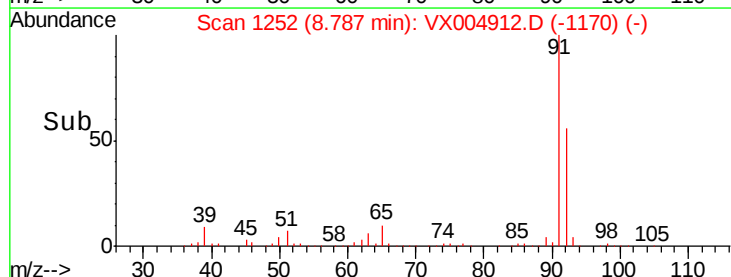
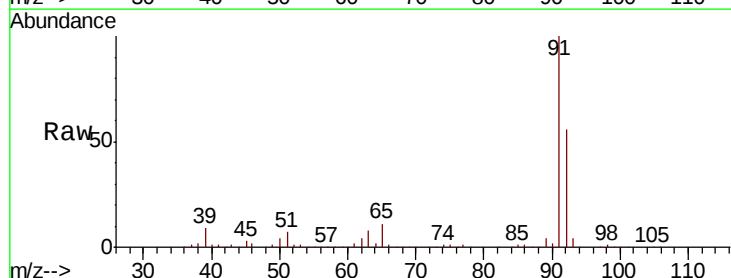
Acq: 02 Oct 2018 10:58

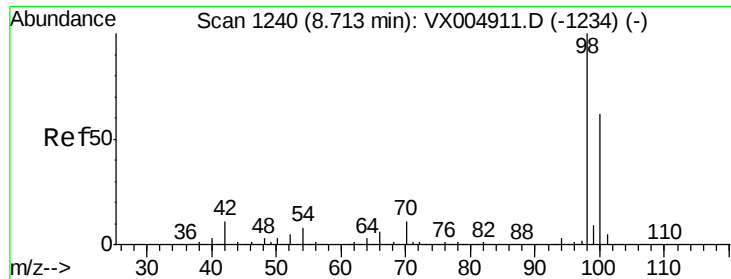
Tgt Ion: 91 Resp: 673797

Ion Ratio Lower Upper

91 100

92 57.2 46.2 69.4





#63

Toluene-d8

Concen: 30.114 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 339301

Ion Ratio Lower Upper

98 100

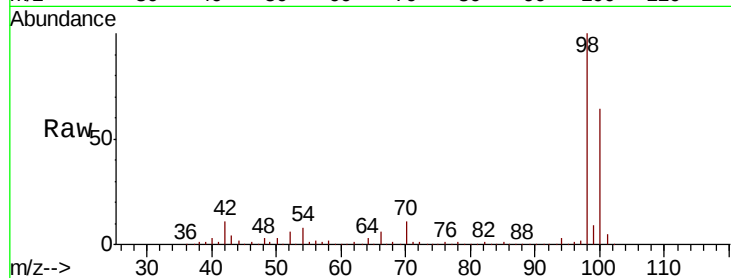
100 65.9 51.6 77.4

Manual Integrations

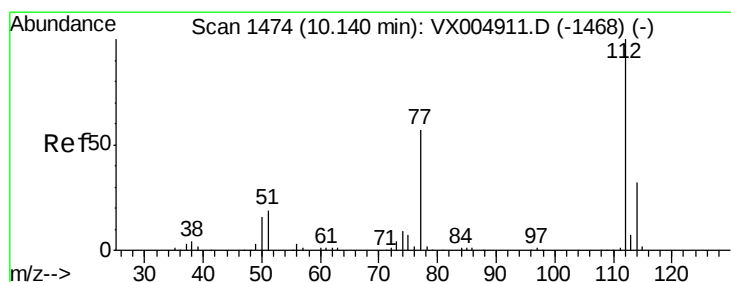
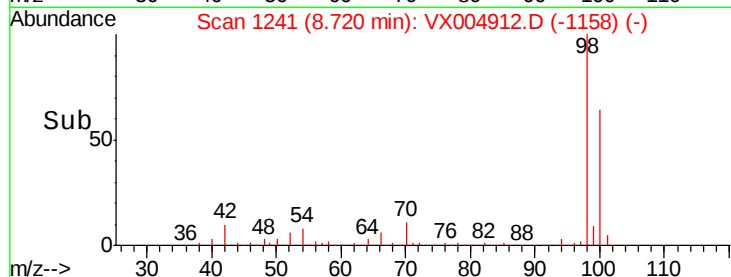
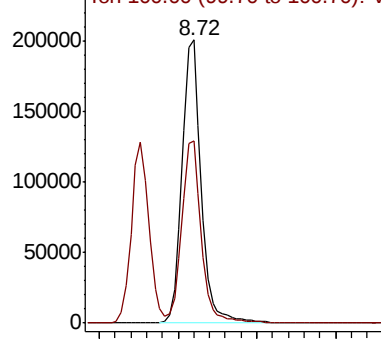
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Abundance Ion 98.00 (97.70 to 98.70): VX004912.D (-1234) (-)



#64

Chlorobenzene

Concen: 49.854 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004912.D

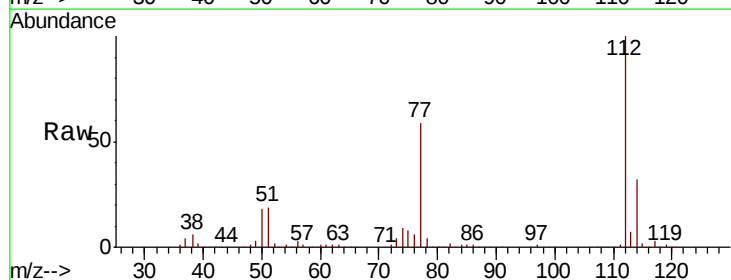
Acq: 02 Oct 2018 10:58

Tgt Ion: 112 Resp: 427107

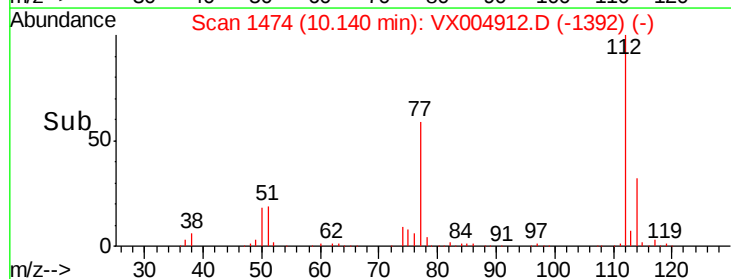
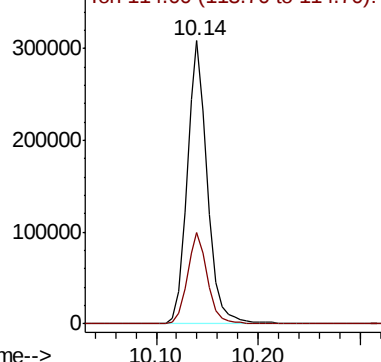
Ion Ratio Lower Upper

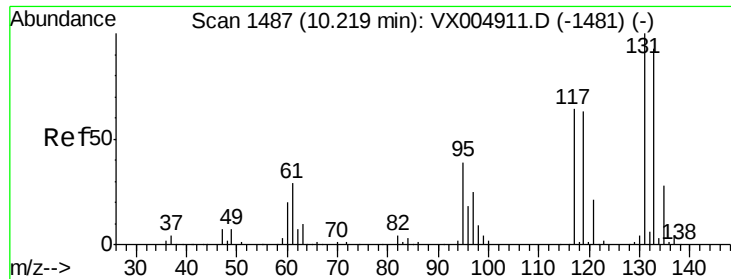
112 100

114 32.3 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VX004912.D (-1392) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 50.315 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

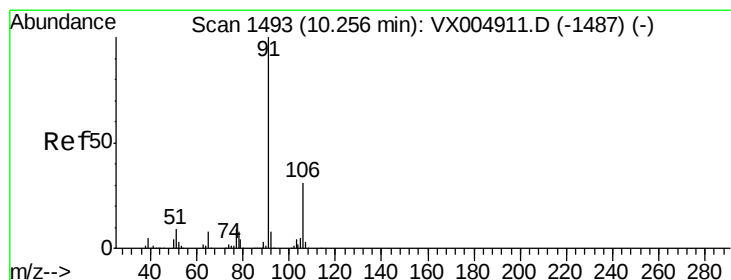
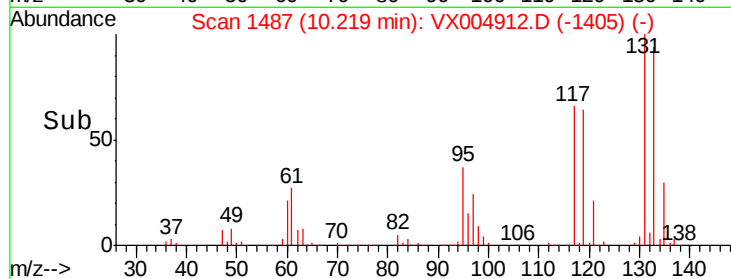
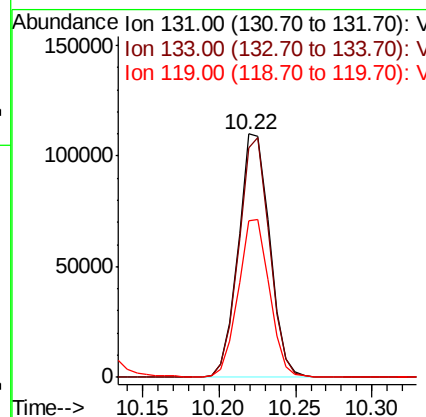
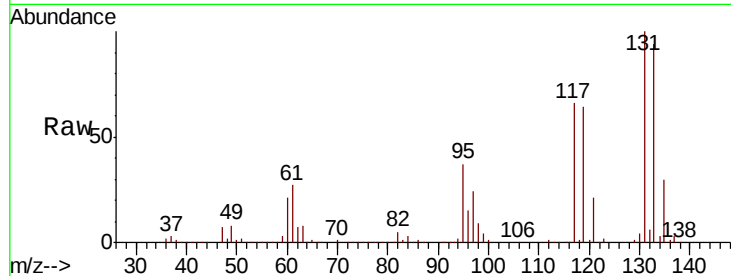
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	156695
Ion Ratio	Lower	Upper	
131	100		
133	96.4	0.0	190.4
119	64.6	0.0	129.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 50.558 ug/l

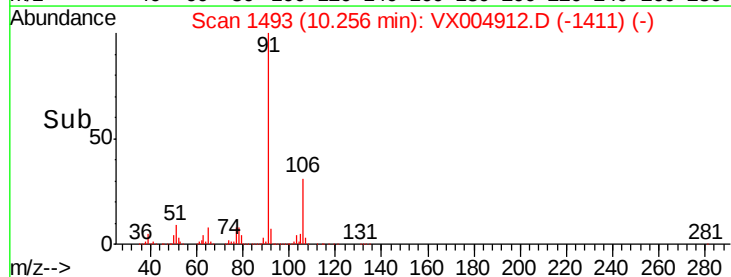
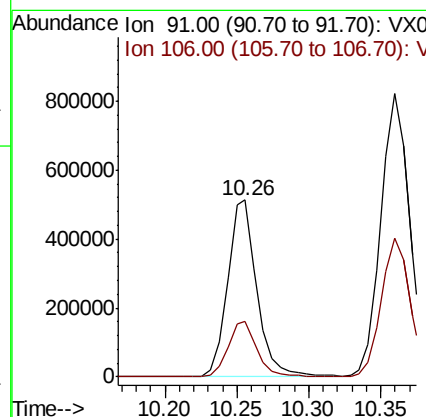
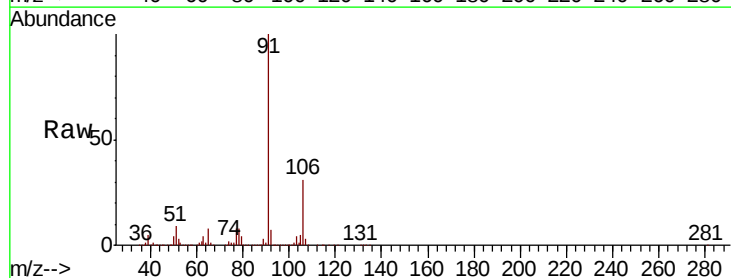
RT: 10.26 min Scan# 1493

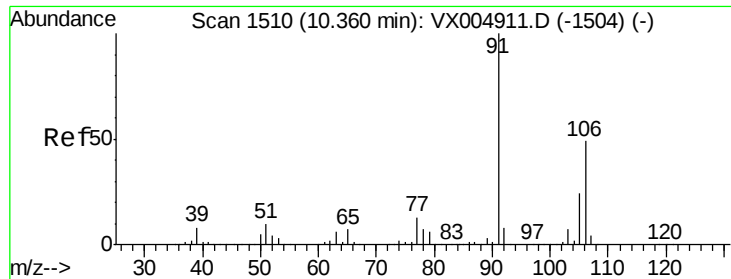
Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Tgt Ion:	91	Resp:	732206
Ion Ratio	Lower	Upper	
91	100		
106	31.3	24.5	36.7





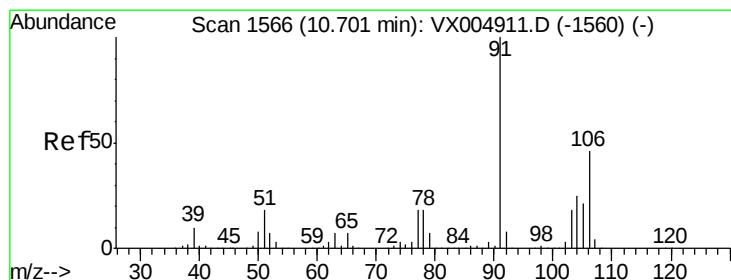
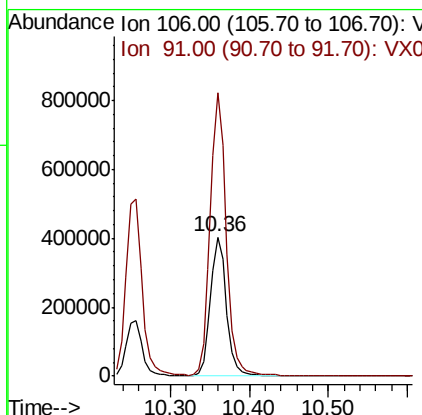
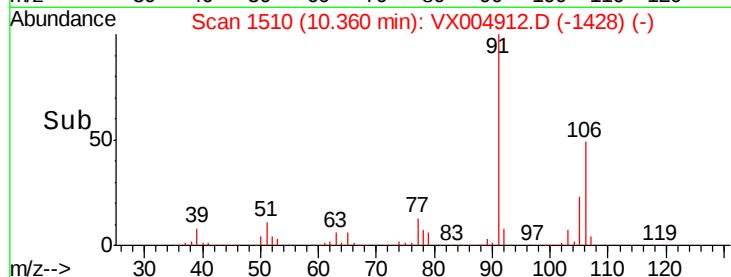
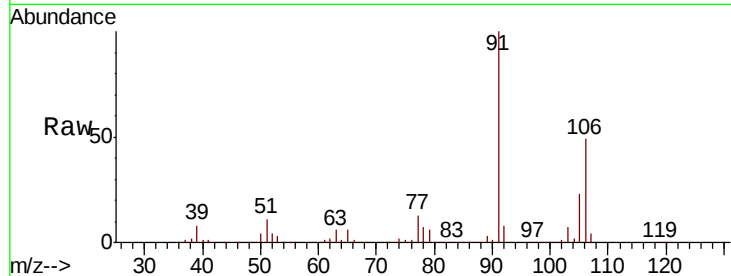
#67
m/p-Xvlenes
Concen: 101.553 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 572662
Ion Ratio Lower Upper
106 100
91 203.7 165.5 248.3

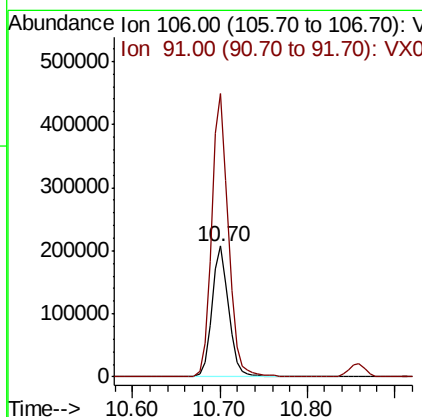
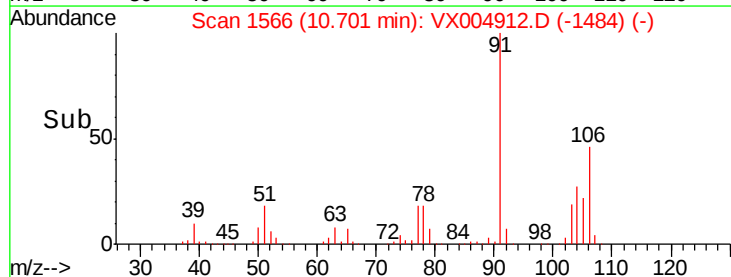
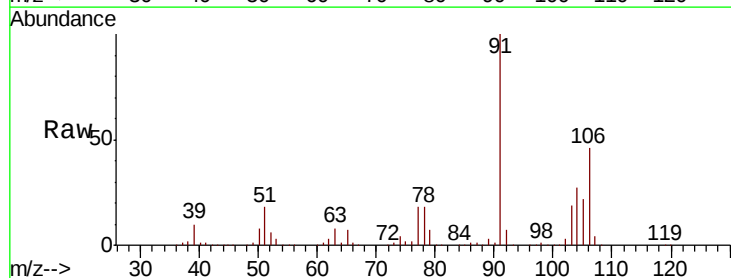
Manual Integrations
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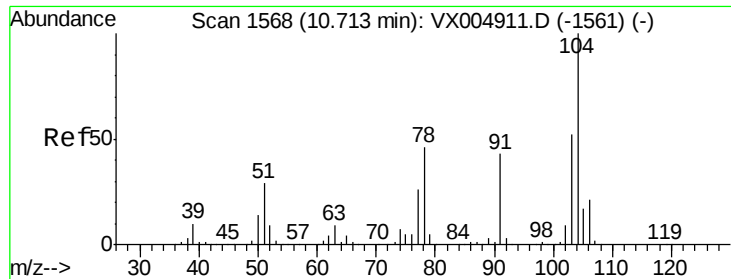
MMDadoda
10/3/2018 4:23:24 PM



#68
o-Xylene
Concen: 50.980 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion:106 Resp: 277112
Ion Ratio Lower Upper
106 100
91 214.9 109.1 327.2





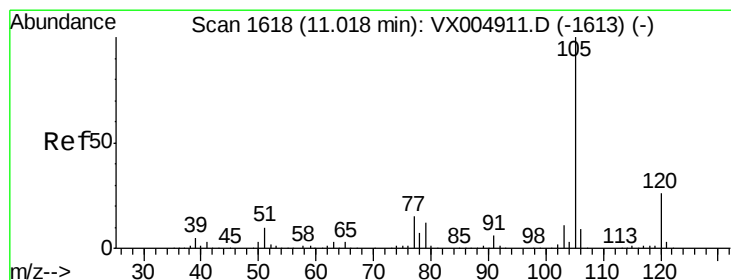
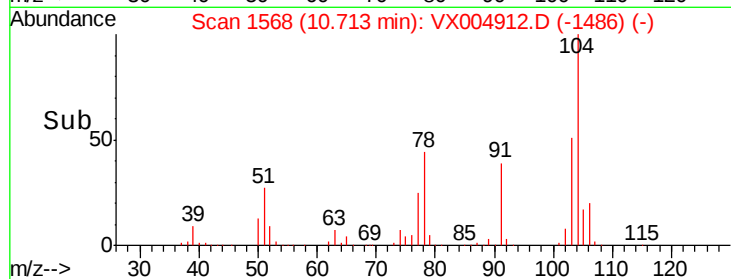
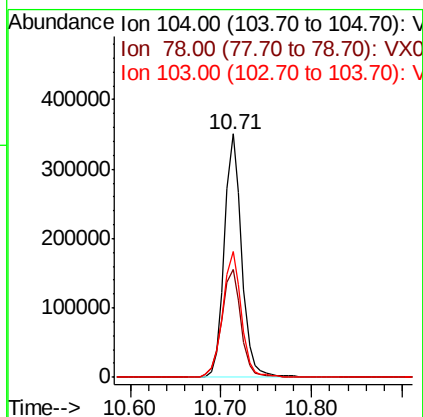
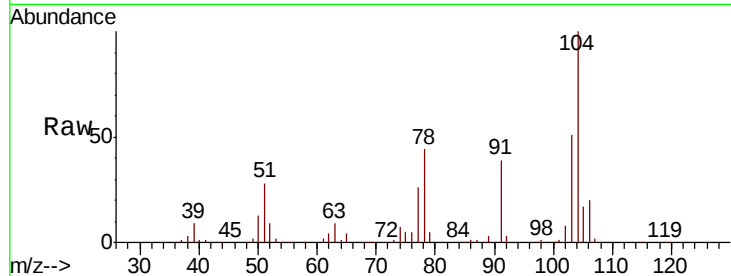
#69
Stvrene
Concen: 50.969 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.3	60.5
103	56.1	44.6	66.8

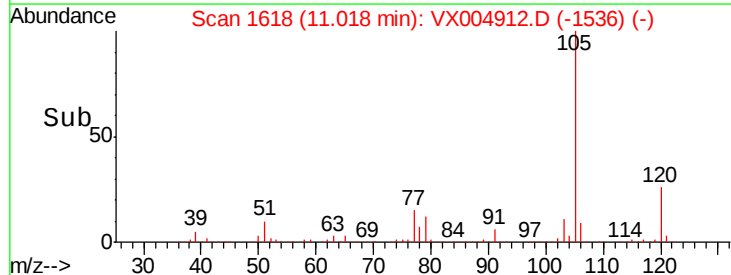
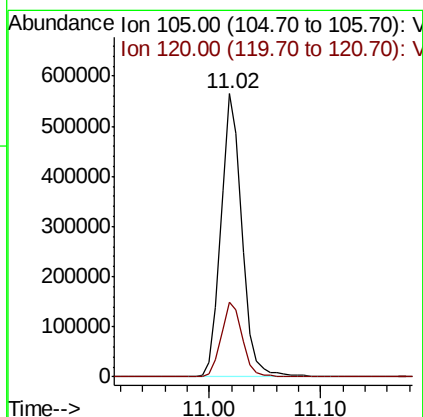
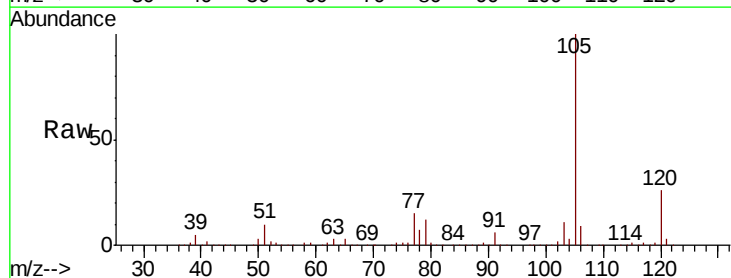
Manual Integrations
APPROVED

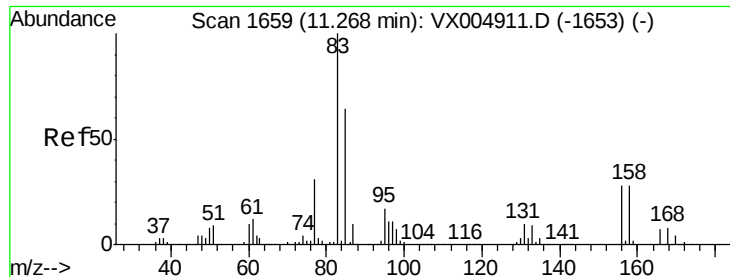
MMDadoda
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#70
Isopropylbenzene
Concen: 50.613 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.3	34.1





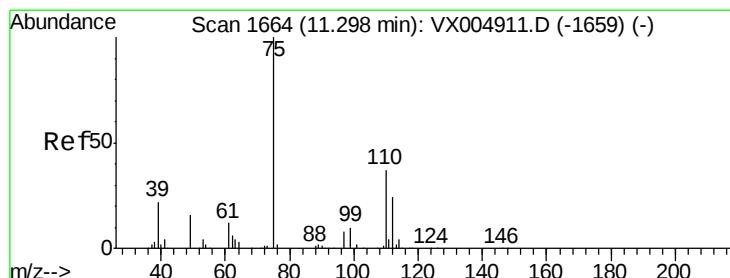
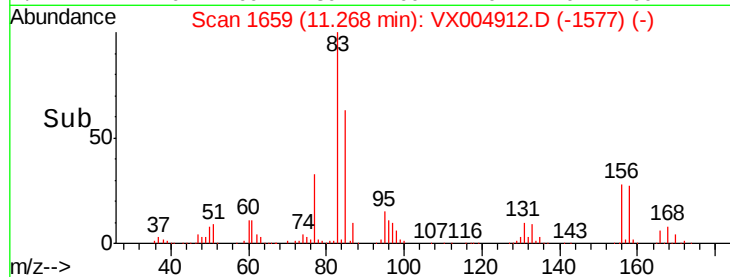
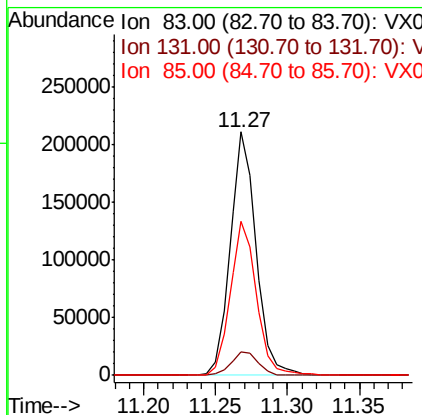
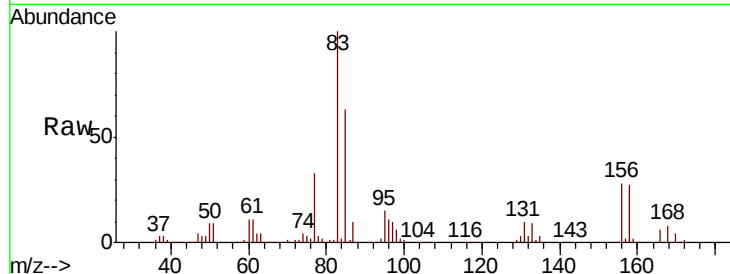
#71
 1,1,2,2-Tetrachloroethane
 Concen: 49.072 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	265298		
131	10.2	5.1	15.2	
85	64.0	32.2	96.6	

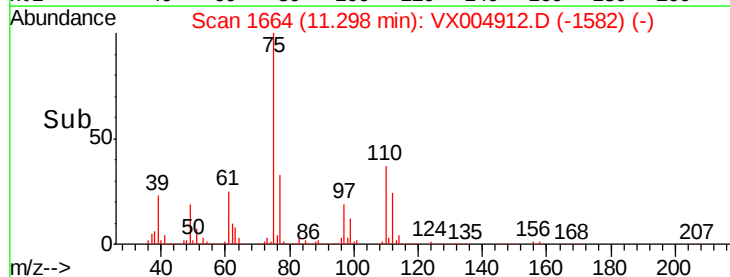
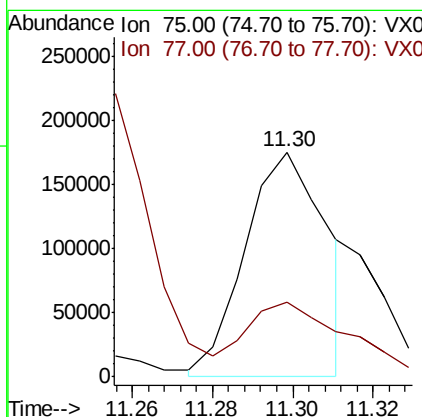
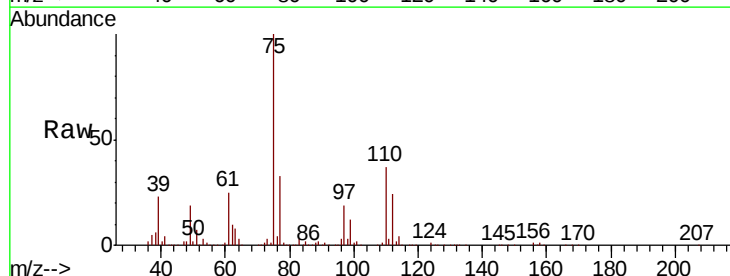
Manual Integrations
 APPROVED

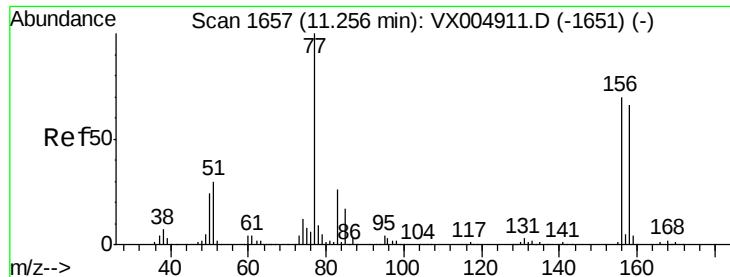
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 10/3/2018 4:23:24 PM



#72
 1,2,3-Trichloropropane
 Concen: 49.681 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	244695		
77	39.4	0.0	81.2	





#73

Bromobenzene

Concen: 49.264 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

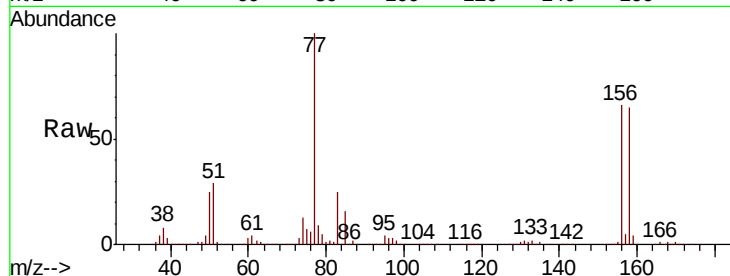
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	197109
Ion Ratio	Lower	Upper	
156	100		
77	149.3	0.0	292.4
158	97.8	0.0	194.2

Manual Integrations
APPROVED

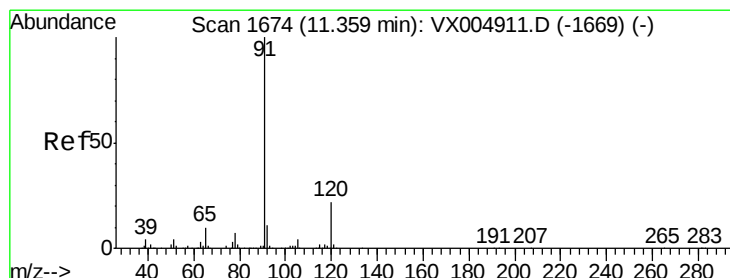
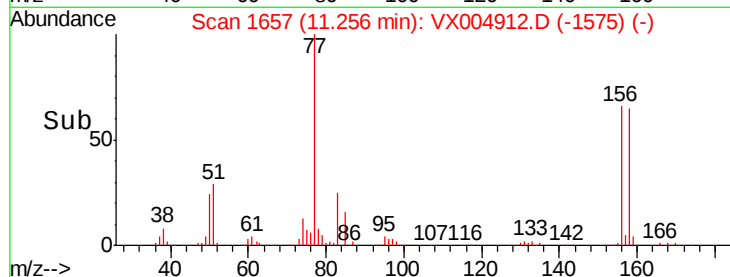
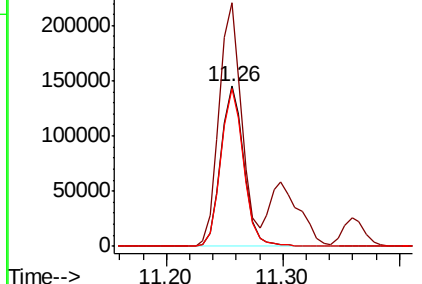
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 50.525 ug/l

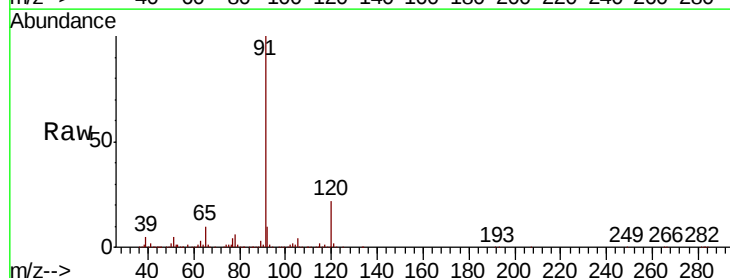
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004912.D

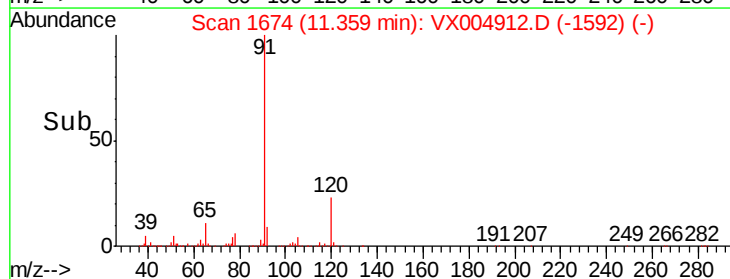
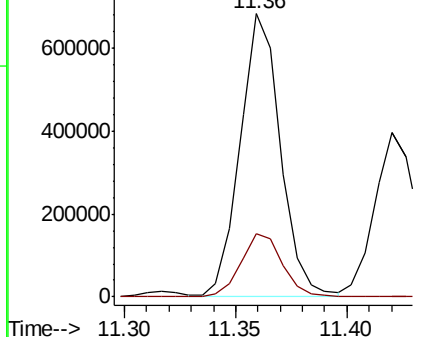
Acq: 02 Oct 2018 10:58

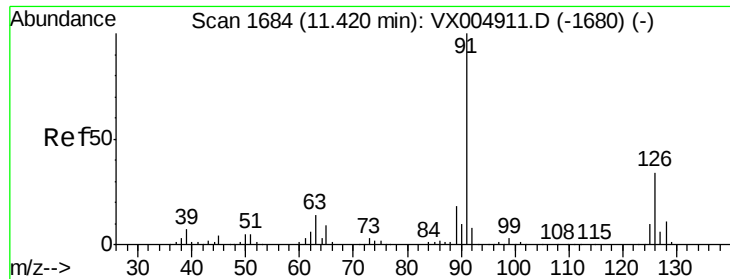
Tgt Ion:	91	Resp:	865292
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 50.021 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 522470

Ion Ratio Lower Upper

91 100

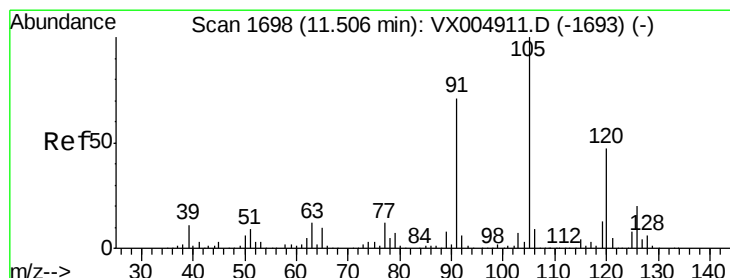
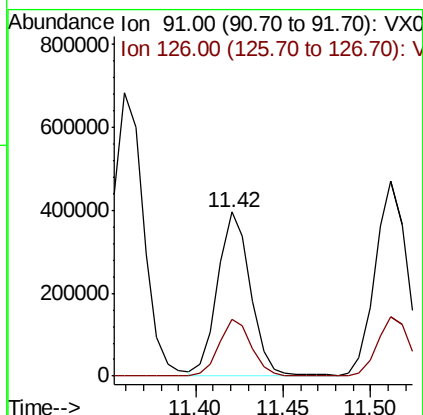
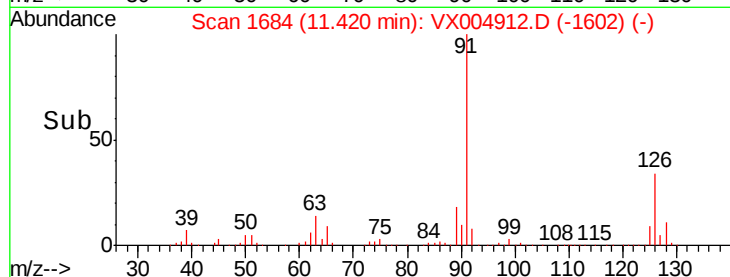
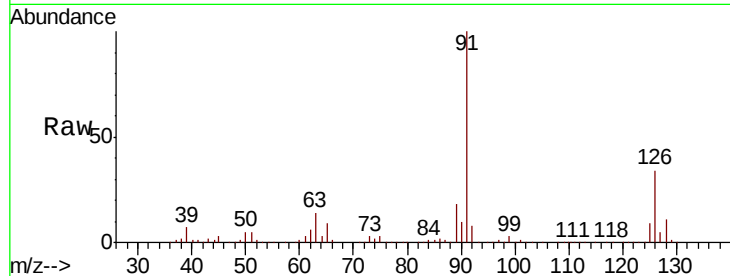
126 33.9 0.0 68.2

Manual Integrations

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MMDadoda

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#76

1,3,5-Trimethylbenzene

Concen: 50.311 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004912.D

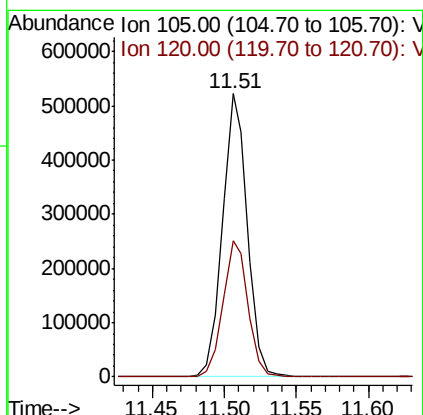
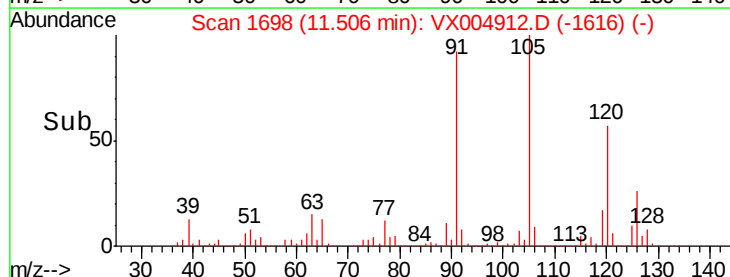
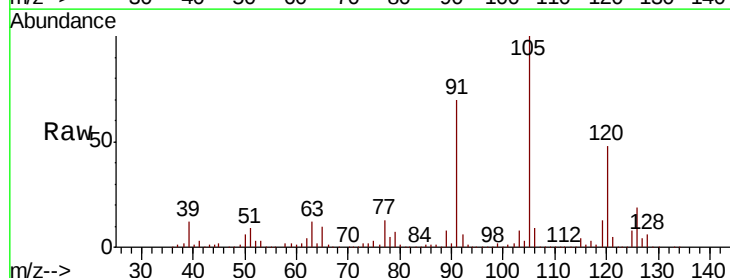
Acq: 02 Oct 2018 10:58

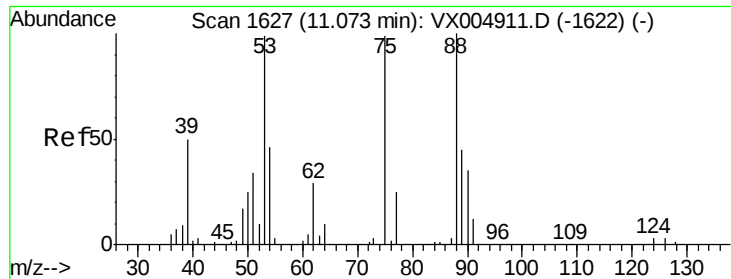
Tgt Ion: 105 Resp: 631840

Ion Ratio Lower Upper

105 100

120 48.7 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 49.818 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

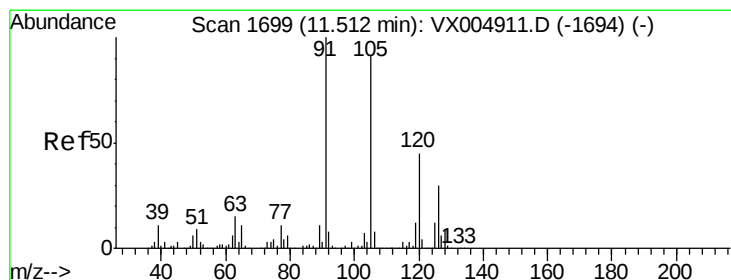
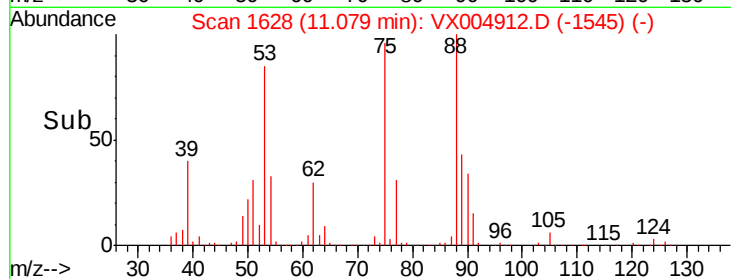
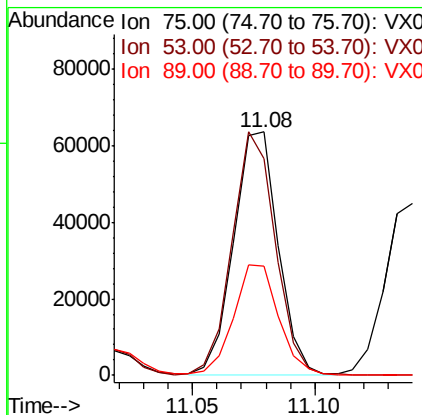
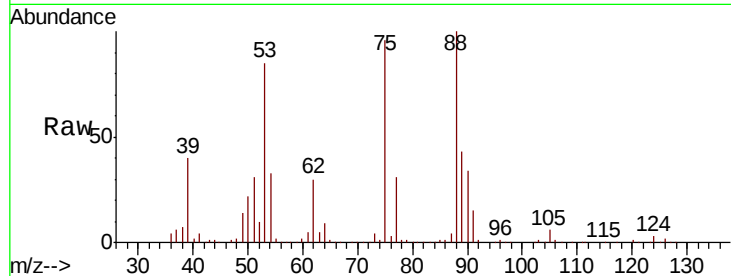
ClientSampled :

VSTDIC050

Tot Ion:	75	Resp:	80673
Ion Ratio	Lower	Upper	
75	100		
53	89.0	50.3	150.9
89	44.8	22.6	67.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 49.789 ug/l

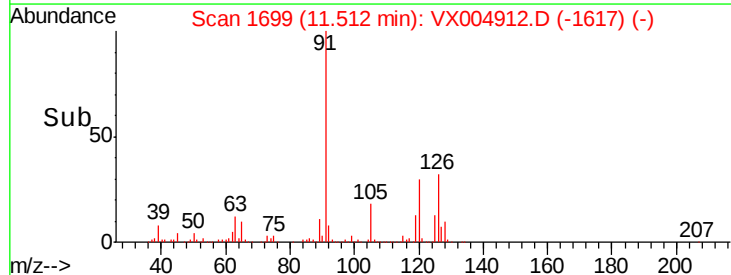
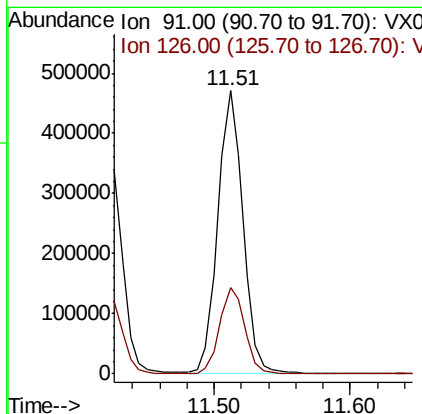
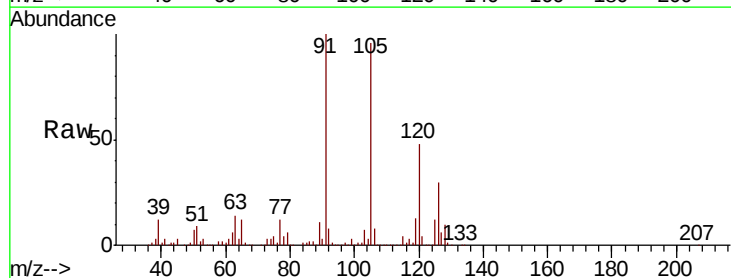
RT: 11.51 min Scan# 1699

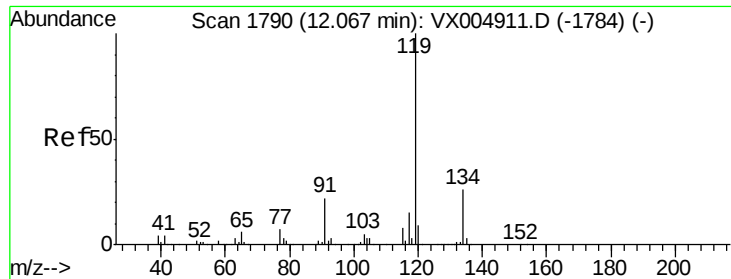
Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Tgt Ion:	91	Resp:	604461
Ion Ratio	Lower	Upper	
91	100		
126	30.6	0.0	61.0





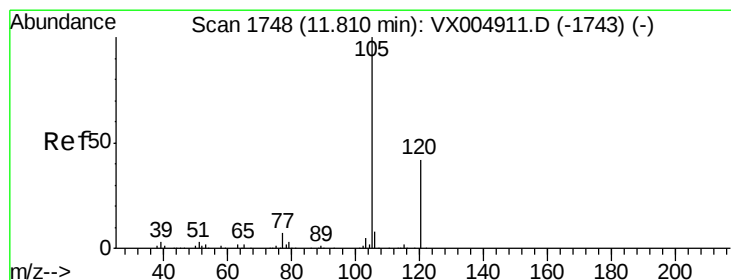
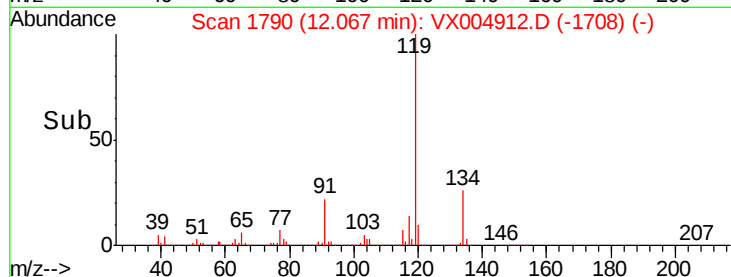
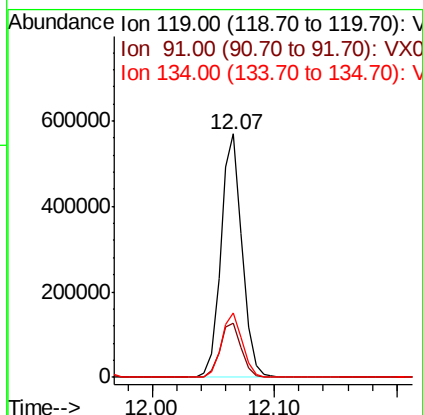
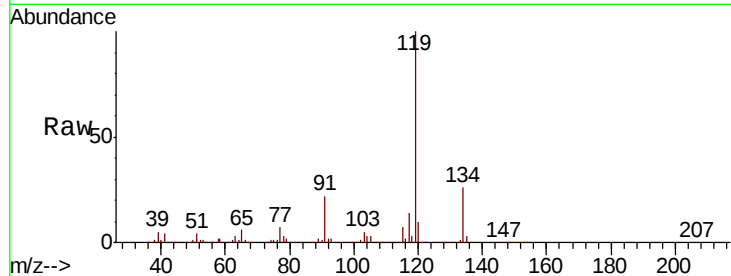
#79
tert-butylbenzene
Concen: 50.751 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	676426		
91	22.7		0.0	45.8
134	26.2		0.0	52.8

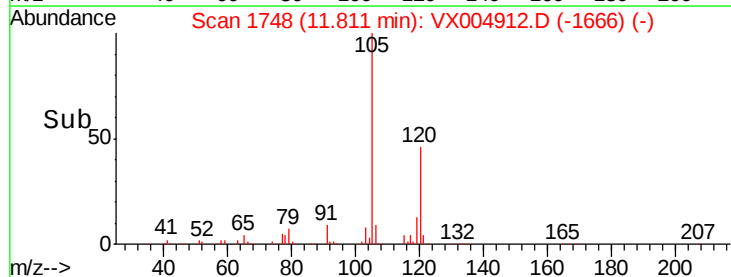
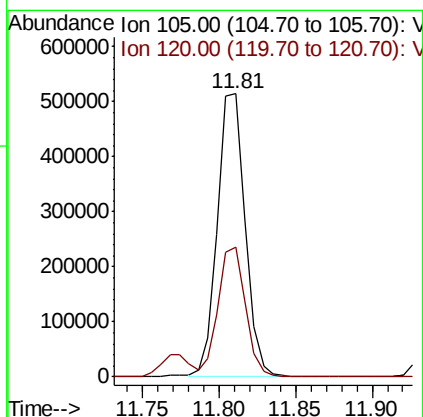
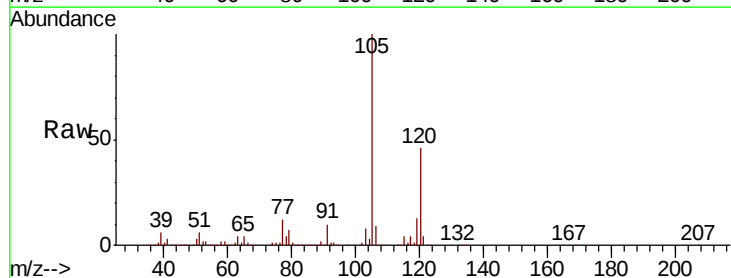
Manual Integrations
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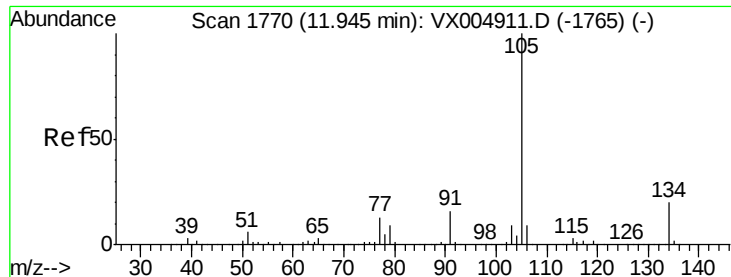
MMDadoda
10/3/2018 4:23:24 PM



#80
1,2,4-Trimethylbenzene
Concen: 50.684 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	649150		
120	45.2		0.0	90.6





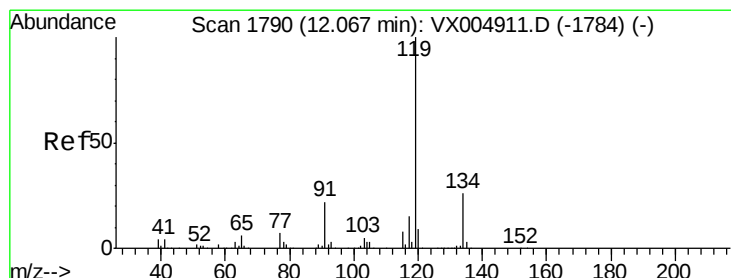
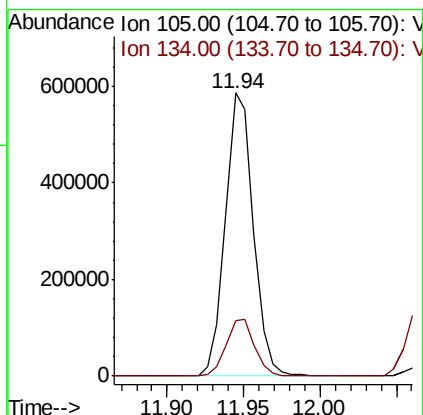
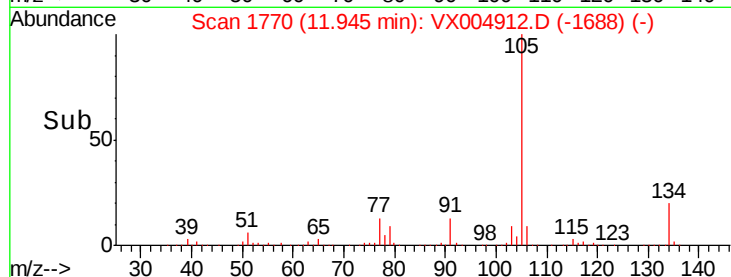
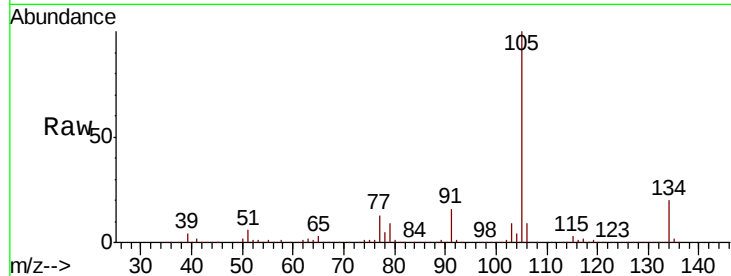
#81
 sec-Butylbenzene
 Concen: 50.042 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	0.0	40.4

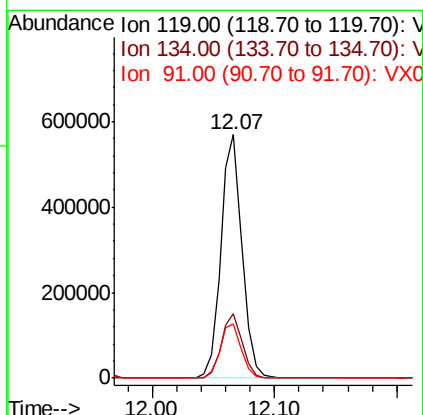
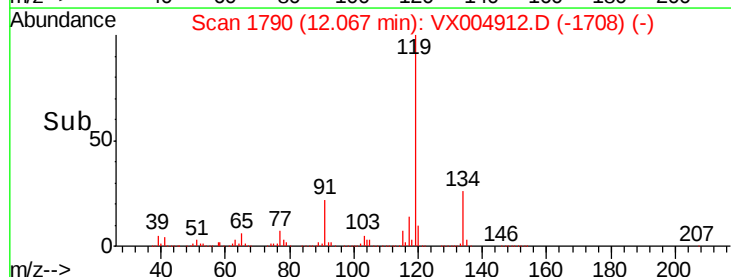
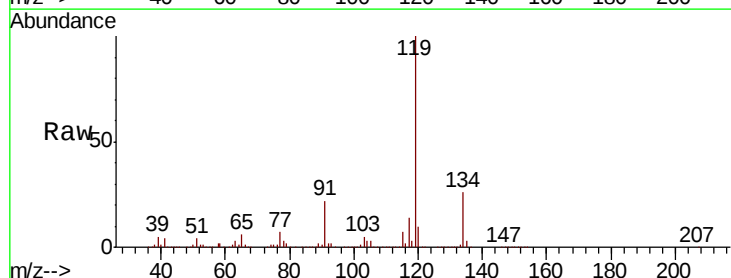
Manual Integrations
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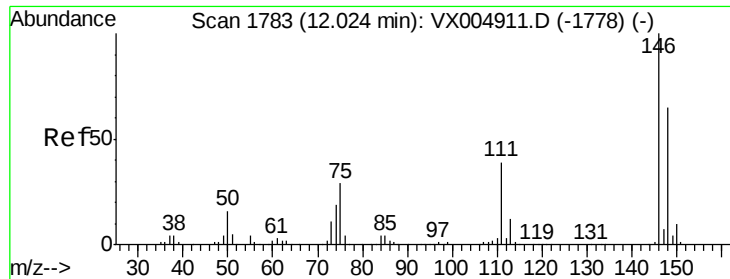
MMDadoda
 10/3/2018 4:23:24 PM



#82
 p-Isopropyltoluene
 Concen: 50.751 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	52.8
91	22.7	0.0	45.8





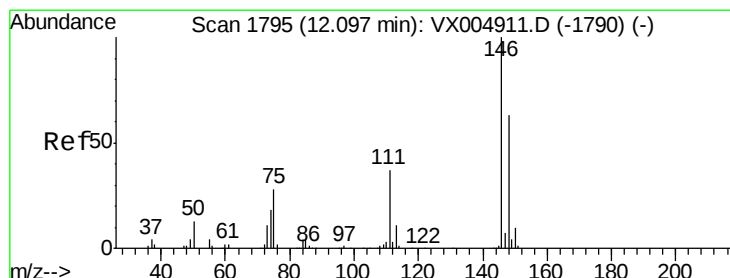
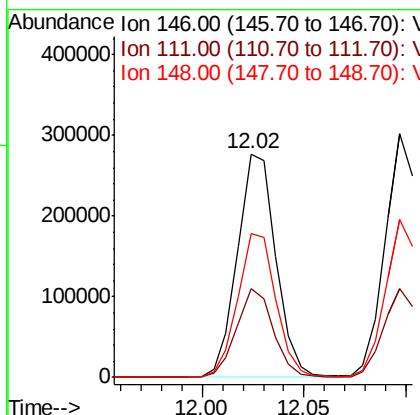
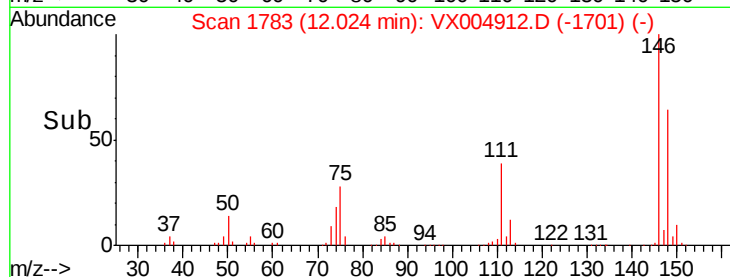
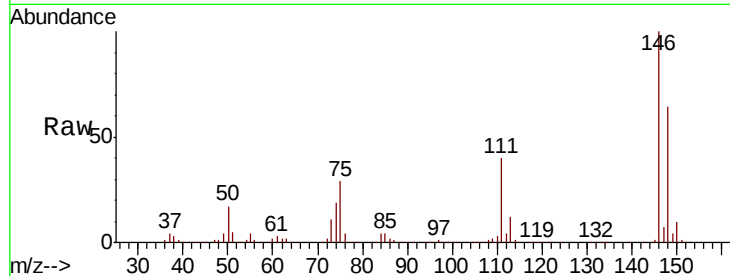
#83
 1,3-Dichlorobenzene
 Concen: 49.168 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.3	57.8
148	64.2	32.4	97.2

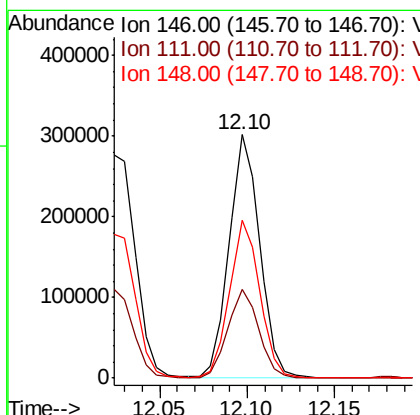
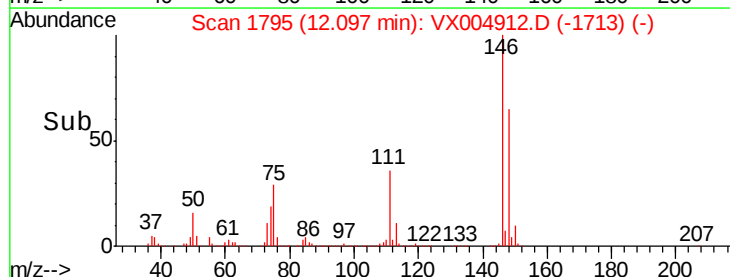
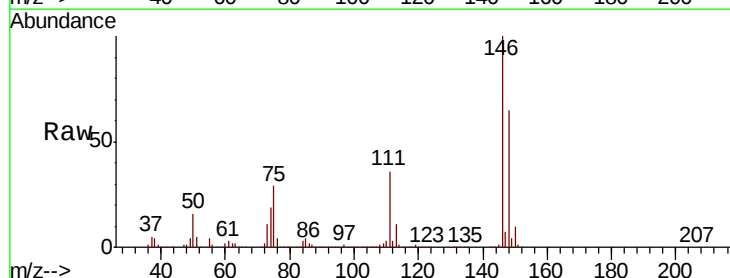
Manual Integrations
 APPROVED

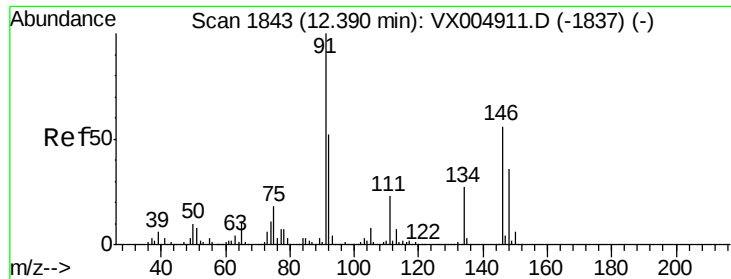
MMDadoda
 10/3/2018 4:23:24 PM



#84
 1,4-Dichlorobenzene
 Concen: 49.195 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.4
148	64.1	31.9	95.7





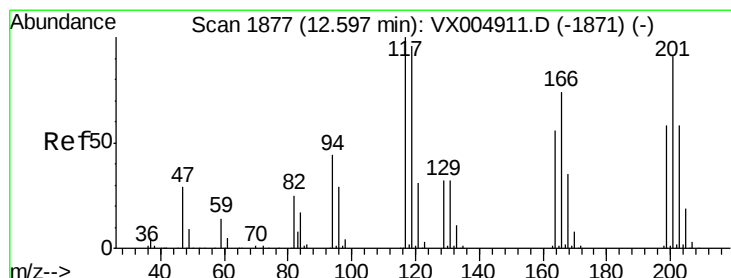
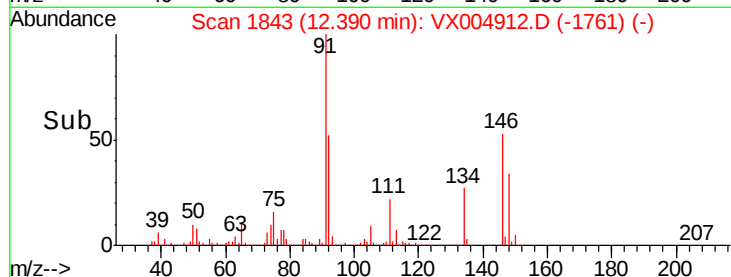
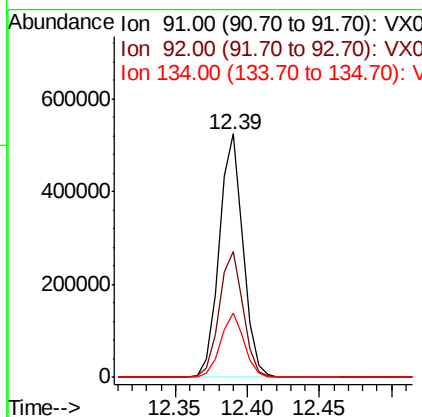
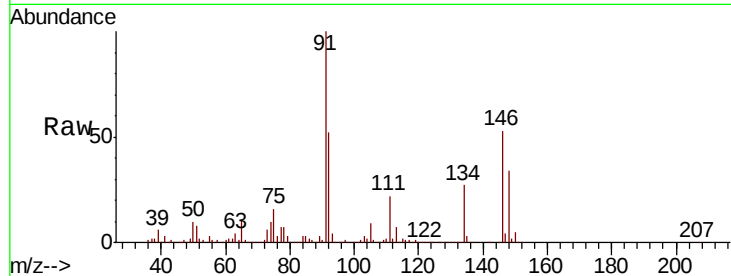
#85
n-Butylbenzene
Concen: 50.286 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	608746		
92	52.2		0.0	103.6
134	26.3		0.0	52.2

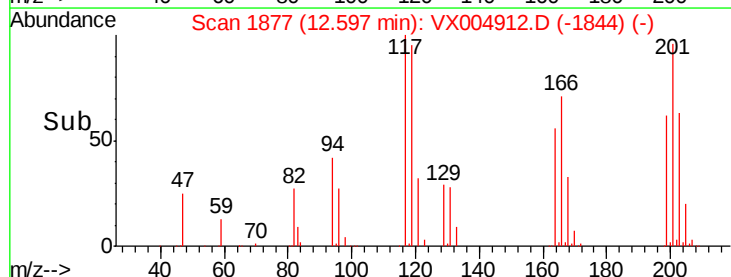
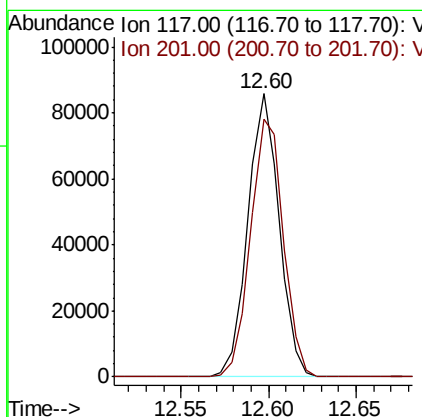
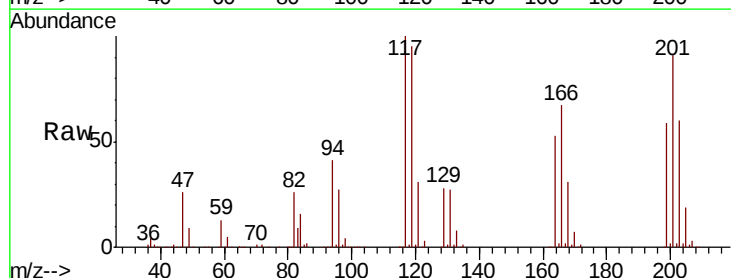
Manual Integrations
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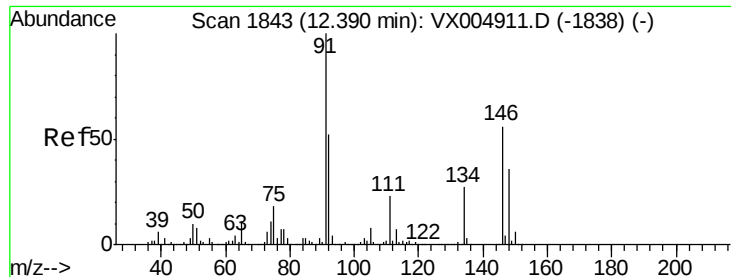
MMDadoda
10/3/2018 4:23:24 PM



#86
Hexachloroethane
Concen: 48.510 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	106500		
201	95.8		47.1	141.4





#87

1,2-Dichlorobenzene

Concen: 49.150 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Instrument :

MSVOA_X

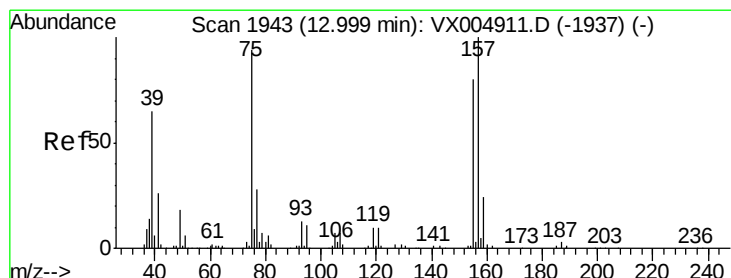
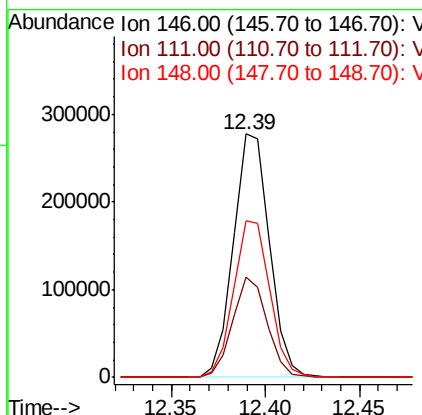
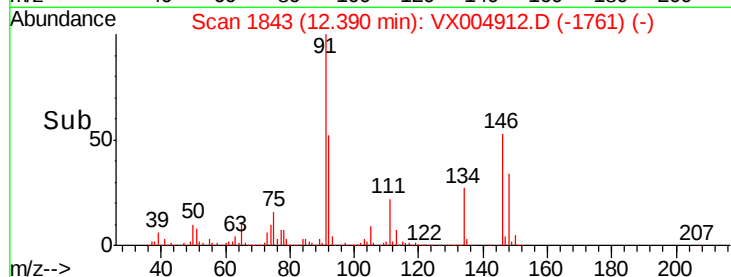
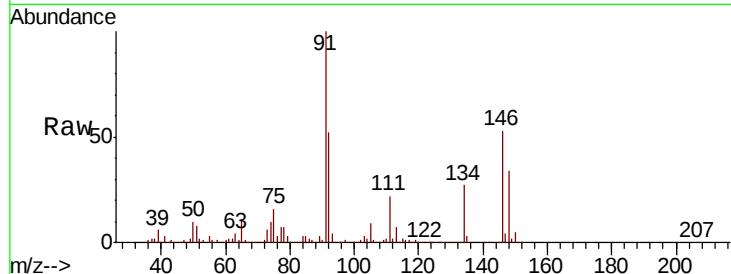
ClientSampled :

VSTDIC050

Tot Ion:	146	Resp:	369660
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.6	58.7
148	64.4	31.9	95.9

Manual Integrations
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10/3/2018 4:23:24 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 48.872 ug/l

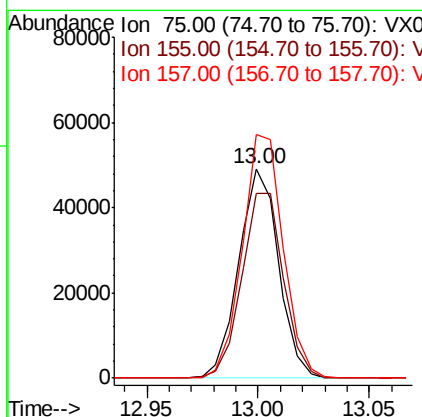
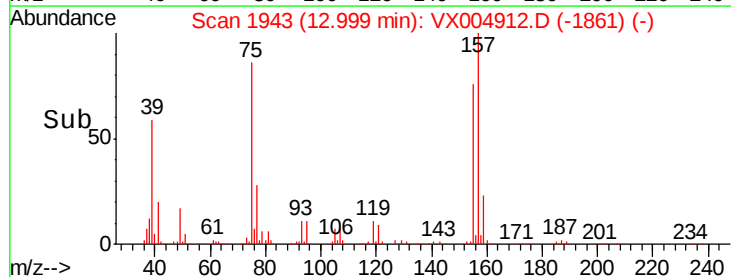
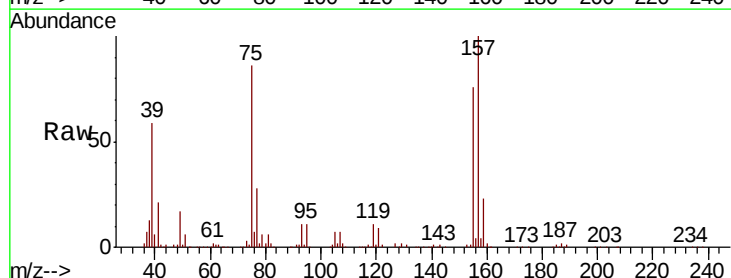
RT: 13.00 min Scan# 1943

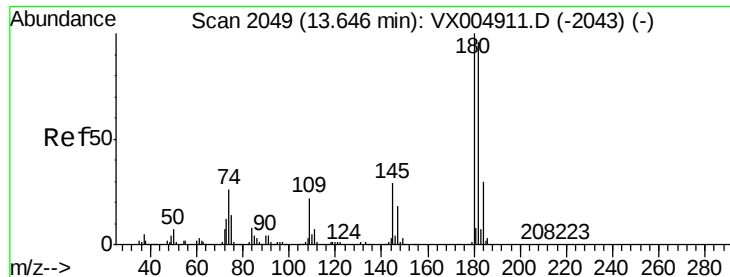
Delta R.T. 0.00 min

Lab File: VX004912.D

Acq: 02 Oct 2018 10:58

Tgt Ion:	75	Resp:	61055
Ion Ratio	Lower	Upper	
75	100		
155	93.2	71.6	107.4
157	120.0	91.3	136.9





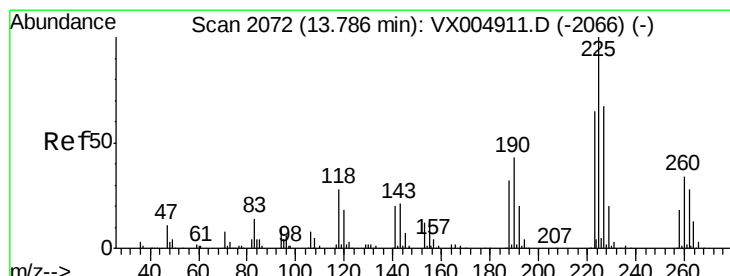
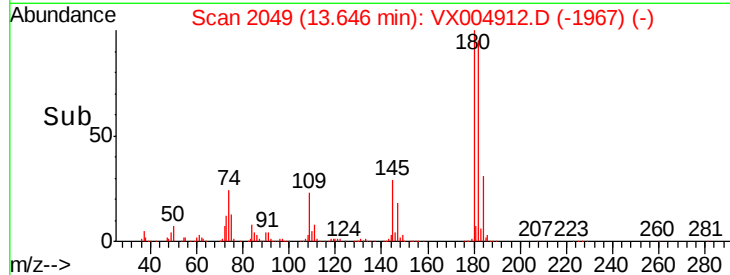
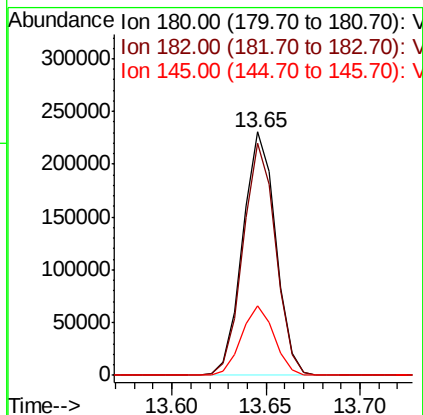
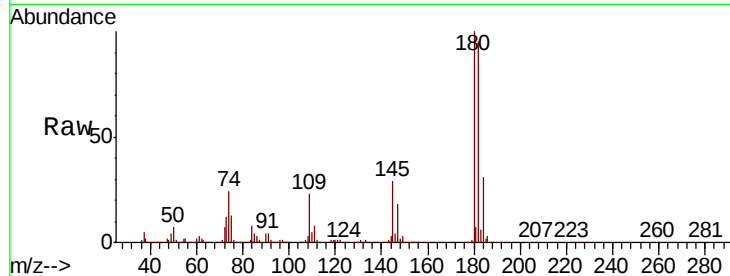
#89
 1,2,4-Trichlorobenzene
 Concen: 49.995 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	280496		
182	93.9	76.8	115.2	
145	28.4	22.6	33.8	

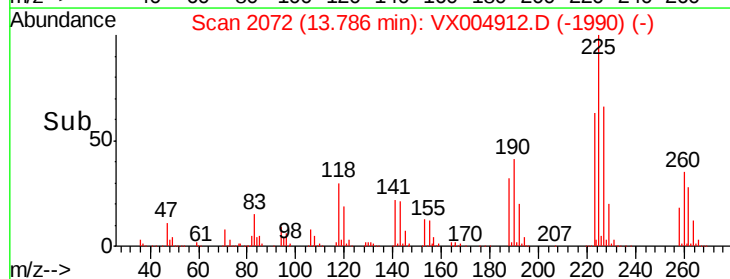
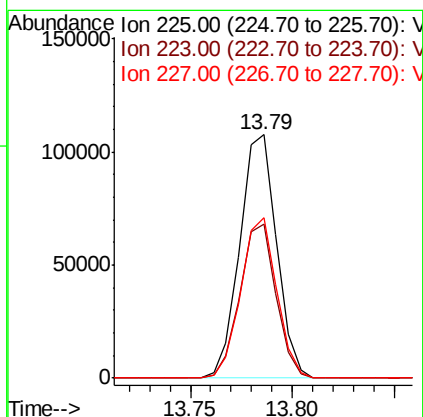
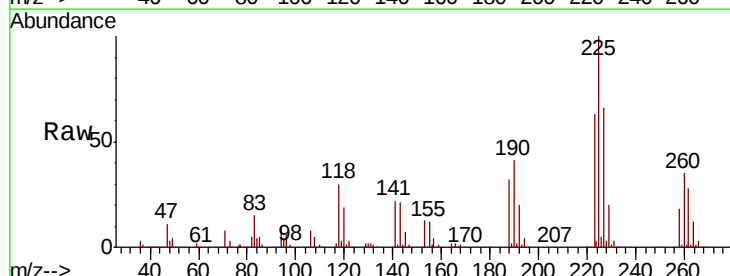
Manual Integrations
 APPROVED

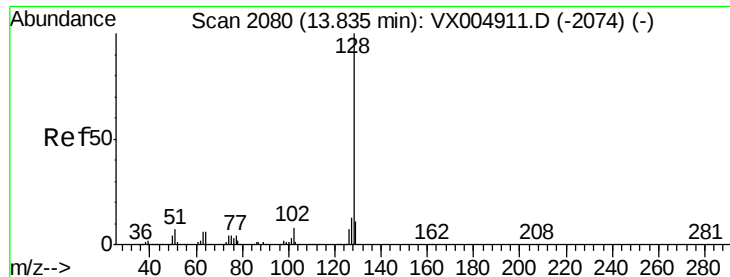
MMDadoda
 10/3/2018 4:23:24 PM



#90
 Hexachlorobutadiene
 Concen: 48.764 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004912.D
 Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135067		
223	62.1	0.0	126.6	
227	64.2	0.0	129.6	





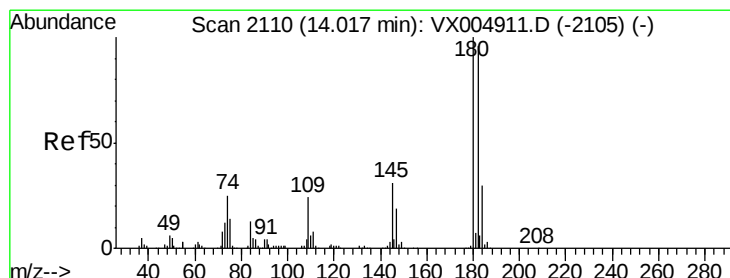
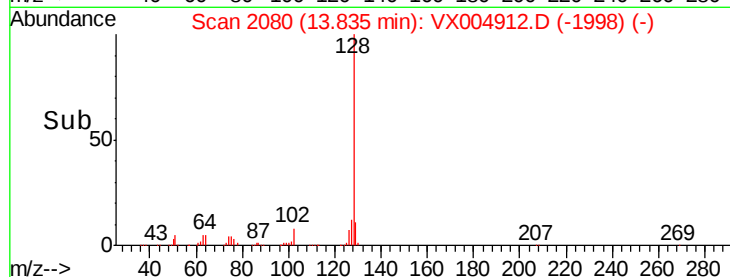
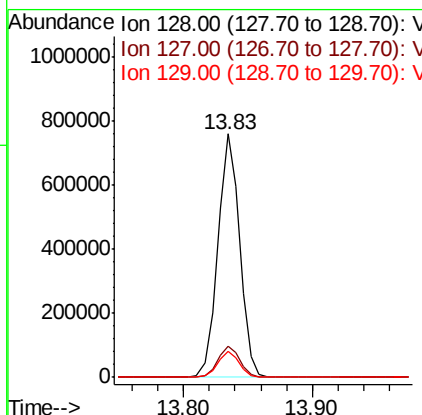
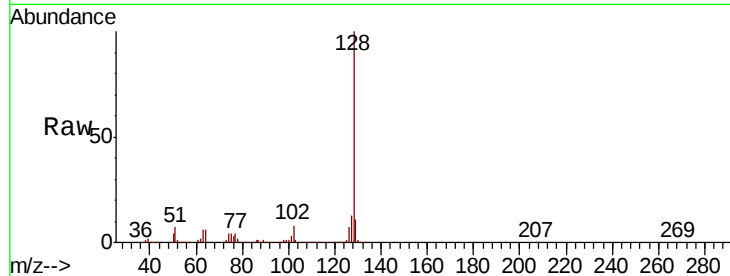
#91
Naphthalene
Concen: 51.748 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/3/2018 4:23:24 PM



#92
1,2,3-Trichlorobenzene
Concen: 49.759 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.01 min
Lab File: VX004912.D
Acq: 02 Oct 2018 10:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	0.0	192.2
145	29.7	0.0	60.4

