

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007854.D
 Acq On : 06 Mar 2019 11:00
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:34:56 AM

Quant Time: Mar 07 07:27:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	296026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	428752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	373696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	156575	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	5.50	113	138726	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	8.71	98	521186	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.13	95	181374	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	125308	49.546	ug/l	100
3) Chloromethane	1.33	50	154078	47.274	ug/l	100
4) Vinyl Chloride	1.41	62	159552	49.268	ug/l	100
5) Bromomethane	1.64	94	74719	37.944	ug/l	100
6) Chloroethane	1.71	64	104133	48.403	ug/l	100
7) Trichlorofluoromethane	1.93	101	206026	48.863	ug/l	100
8) Diethyl Ether	2.19	74	88806	48.639	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	126540	48.430	ug/l	100
10) Methyl Iodide	2.51	142	190708	51.449	ug/l	100
11) Tert butyl alcohol	3.08	59	166984	239.108	ug/l	100
12) 1,1-Dichloroethene	2.37	96	122325	48.568	ug/l	100
13) Acrolein	2.30	56	95763	227.088	ug/l	100
14) Allyl chloride	2.73	41	259287	48.992	ug/l	100
15) Acrylonitrile	3.15	53	424620	240.887	ug/l	100
16) Acetone	2.45	43	461943	255.571	ug/l	100
17) Carbon Disulfide	2.57	76	384436	45.460	ug/l	100
18) Methyl Acetate	2.78	43	187271	48.769	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	428461	49.449	ug/l	100
20) Methylene Chloride	2.86	84	136041	47.292	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	130591	47.123	ug/l	100
22) Diisopropyl ether	3.87	45	478115	49.282	ug/l	100
23) Vinyl Acetate	3.82	43	2124054	249.668	ug/l	100
24) 1,1-Dichloroethane	3.70	63	256379	49.107	ug/l	100
25) 2-Butanone	4.70	43	639803	250.027	ug/l	100
26) 2,2-Dichloropropane	4.59	77	173025	50.023	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	153572	48.427	ug/l	100
28) Bromochloromethane	5.02	49	122243	50.223	ug/l	100
29) Tetrahydrofuran	5.15	42	396039	248.117	ug/l	100
30) Chloroform	5.21	83	243480	49.301	ug/l	100
31) Cyclohexane	5.57	56	239844	49.985	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	204144	49.820	ug/l	100
36) 1,1-Dichloropropene	5.80	75	188804	48.633	ug/l	100
37) Ethyl Acetate	4.85	43	226927	49.256	ug/l	100
38) Carbon Tetrachloride	5.78	117	186454	50.589	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	238041	50.601	ug/l	100
40) Benzene	6.14	78	573925	49.657	ug/l	100
41) Methacrylonitrile	5.06	41	125258	49.868	ug/l	100
42) 1,2-Dichloroethane	6.20	62	186521	49.347	ug/l	100
43) Isopropyl Acetate	6.46	43	346063	50.755	ug/l	100
44) Trichloroethene	7.21	130	154957	48.651	ug/l	100
45) 1,2-Dichloropropane	7.52	63	153341	50.233	ug/l	100
46) Dibromomethane	7.66	93	95343	49.353	ug/l	100
47) Bromodichloromethane	7.90	83	186909	51.031	ug/l	100
48) Methyl methacrylate	7.77	41	181813	50.718	ug/l	100
49) 1,4-Dioxane	7.75	88	72660	986.703	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1101784	251.270	ug/l	100
52) Toluene	8.79	92	354950	50.303	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	203273	53.172	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	227835	52.776	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	144269	50.506	ug/l	100
56) Ethyl methacrylate	9.18	69	222824	51.955	ug/l	100
57) 1,3-Dichloropropane	9.37	76	241323	50.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	575877	259.579	ug/l	100
59) 2-Hexanone	9.49	43	847363	248.909	ug/l	100
60) Dibromochloromethane	9.59	129	156542	52.431	ug/l	100
61) 1,2-Dibromoethane	9.67	107	151577	49.980	ug/l	100
64) Tetrachloroethene	9.34	164	147056	47.487	ug/l	100
65) Chlorobenzene	10.14	112	383951	49.099	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	142902	50.988	ug/l	100
67) Ethyl Benzene	10.25	91	657469	51.076	ug/l	100
68) m/p-Xylenes	10.36	106	506822	102.148	ug/l	100
69) o-Xylene	10.70	106	244481	51.038	ug/l	100
70) Styrene	10.71	104	403646	51.495	ug/l	100
71) Bromoform	10.85	173	124419	51.694	ug/l	100
73) Isopropylbenzene	11.02	105	655589	51.633	ug/l	100
74) N-amyl acetate	10.90	43	297967	51.404	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	211270	48.238	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	172915m	43.530	ug/l	
77) Bromobenzene	11.26	156	171740	49.334	ug/l	100
78) n-propylbenzene	11.36	91	731682	51.944	ug/l	100
79) 2-Chlorotoluene	11.42	91	430770	50.016	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	538136	51.494	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	65747	53.346	ug/l	100
82) 4-Chlorotoluene	11.51	91	498824	50.540	ug/l	100
83) tert-Butylbenzene	11.77	119	547859	52.045	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	553074	51.626	ug/l	100
85) sec-Butylbenzene	11.94	105	643791	51.927	ug/l	100
86) p-Isopropyltoluene	12.06	119	581616	52.383	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	304755	49.484	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	303062	48.014	ug/l	100
89) n-Butylbenzene	12.38	91	495778	52.704	ug/l	100
90) Hexachloroethane	12.60	117	97202	52.360	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	301226	49.235	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46367	50.656	ug/l	100

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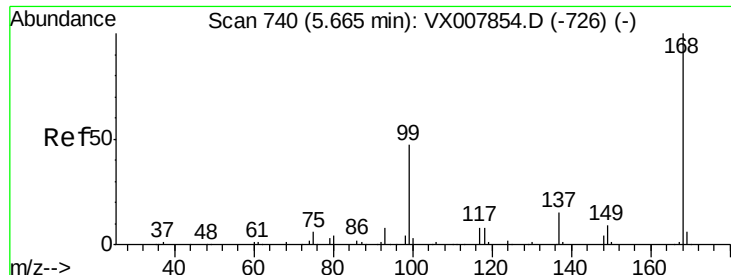
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	216434	50.357	ug/l	100
94) Hexachlorobutadiene	13.78	225	112998	50.287	ug/l	100
95) Naphthalene	13.83	128	646725	52.223	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	216499	50.566	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 296026

Ion Ratio Lower Upper

168 100

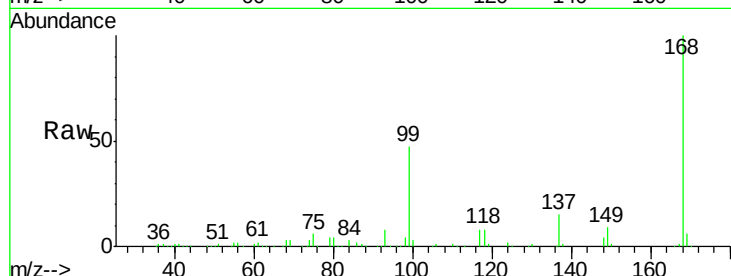
99 47.0 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

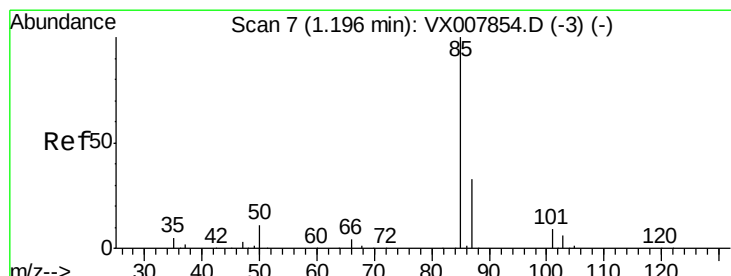
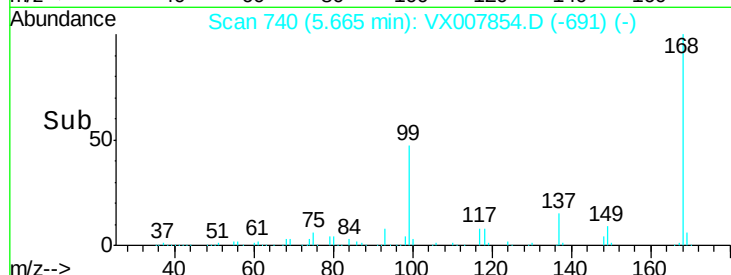
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.546 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007854.D

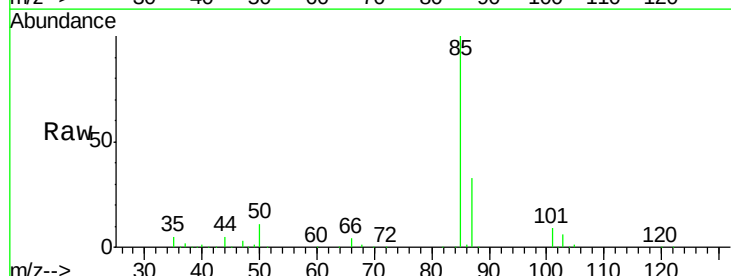
Acq: 06 Mar 2019 11:00

Tgt Ion: 85 Resp: 125308

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

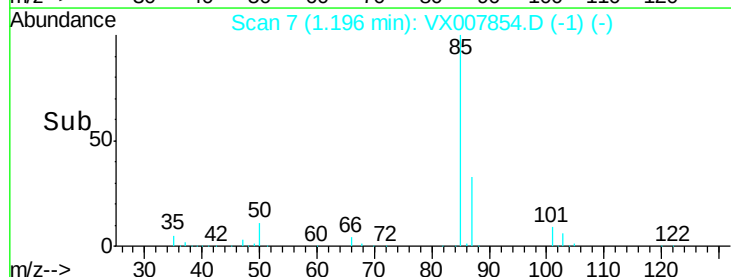
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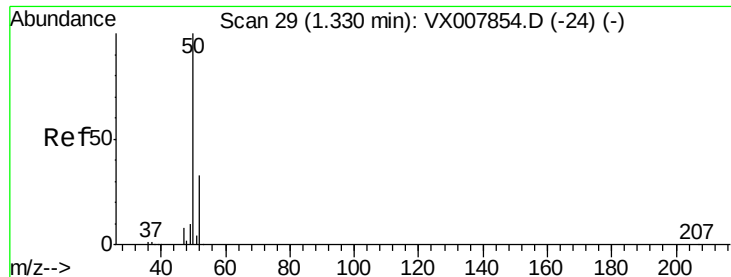
40000

20000

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Time-->





#3

Chloromethane

Concen: 47.274 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 154078

Ion Ratio Lower Upper

50 100

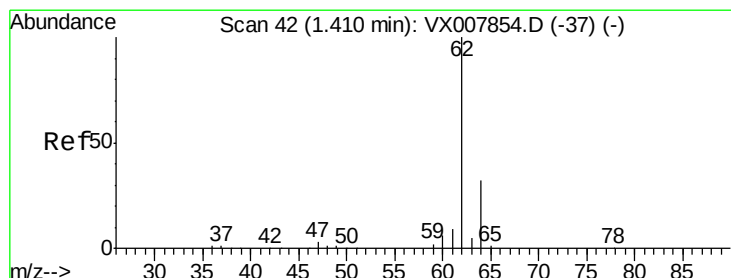
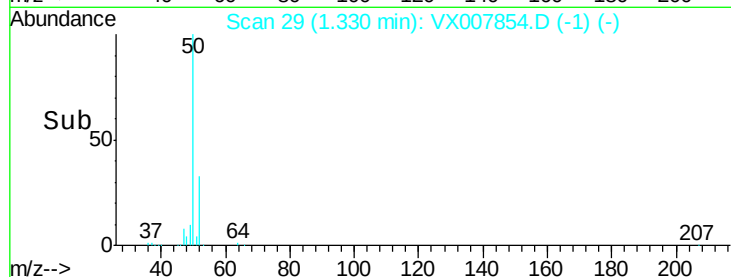
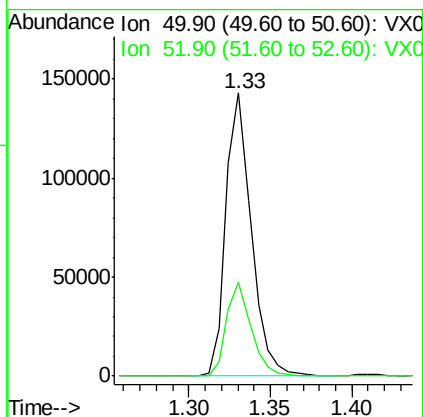
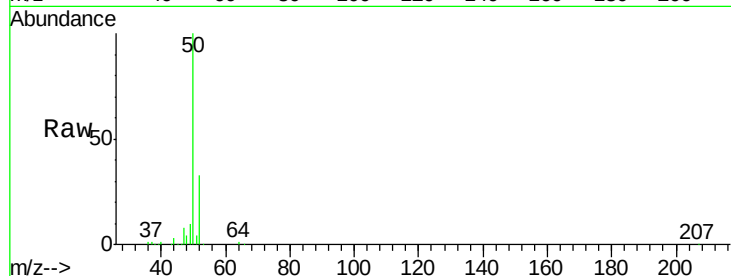
52 33.1 26.5 39.7

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#4

Vinyl Chloride

Concen: 49.268 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007854.D

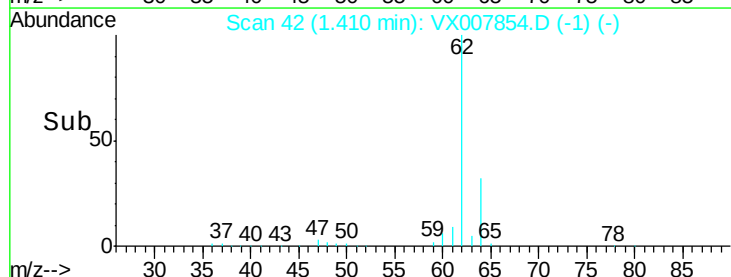
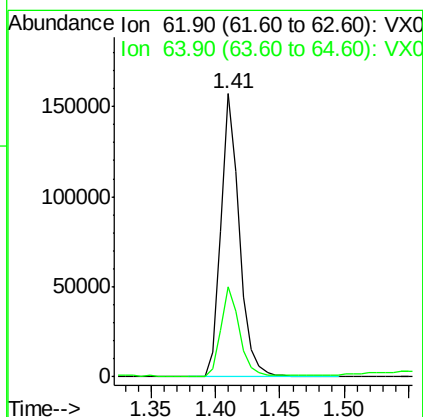
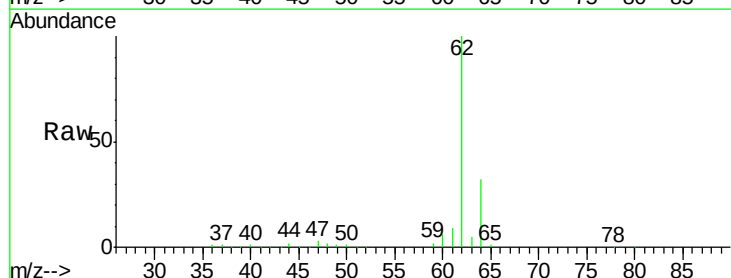
Acq: 06 Mar 2019 11:00

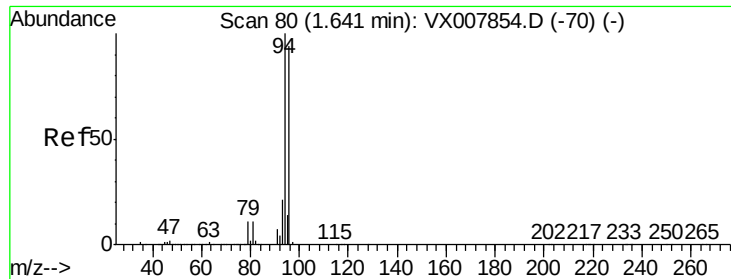
Tgt Ion: 62 Resp: 159552

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 37.944 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 74719

Ion Ratio Lower Upper

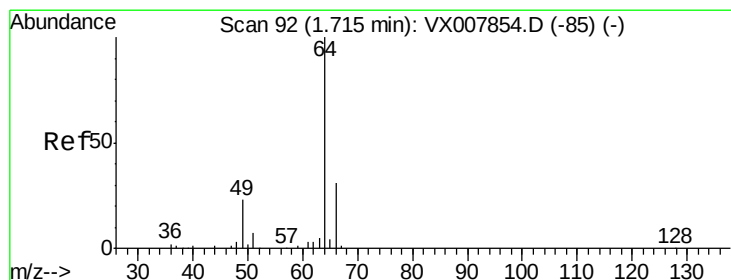
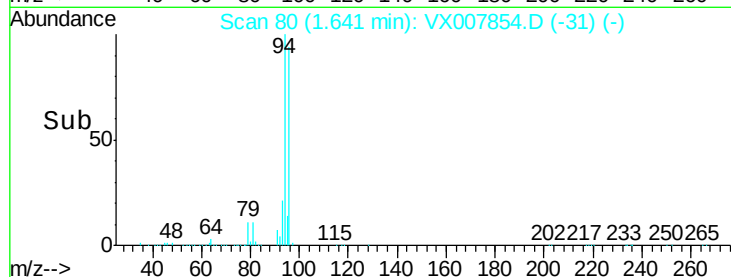
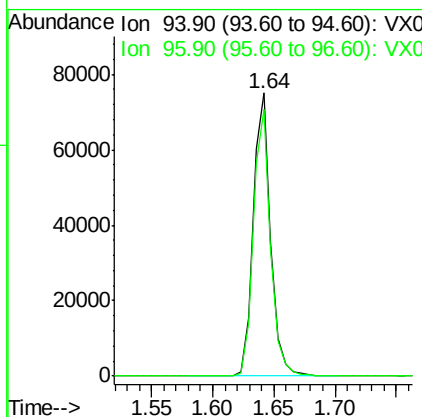
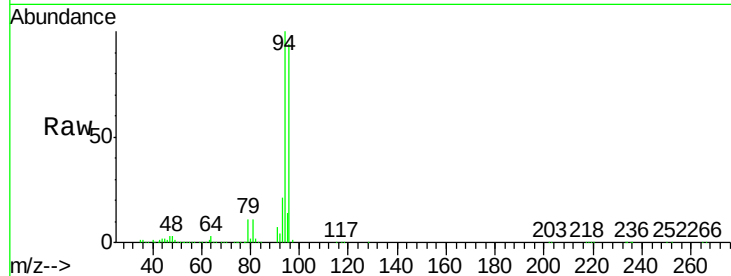
94 100

96 94.4 75.5 113.3

Manual Integrations
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#6

Chloroethane

Concen: 48.403 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX007854.D

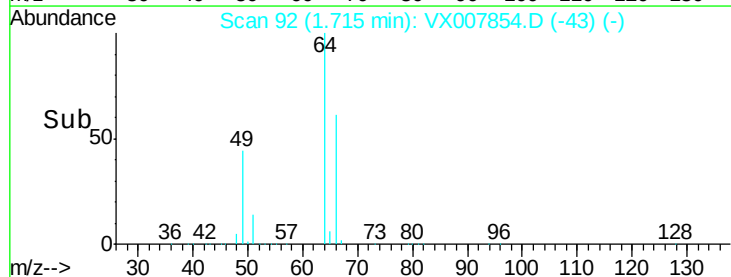
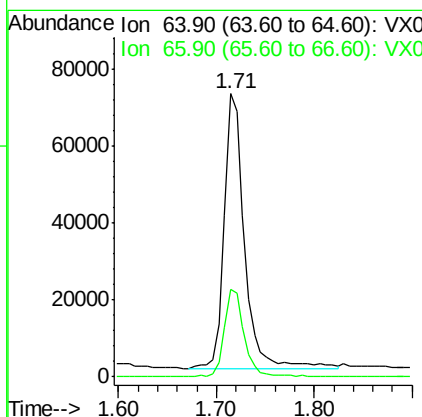
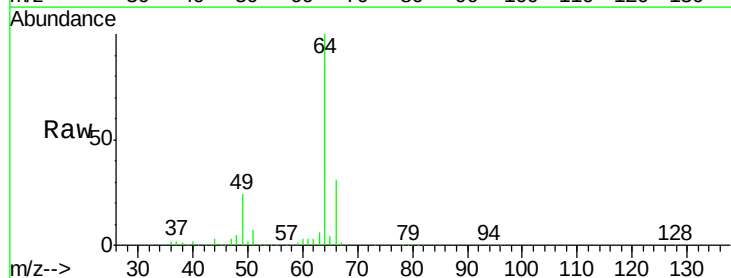
Acq: 06 Mar 2019 11:00

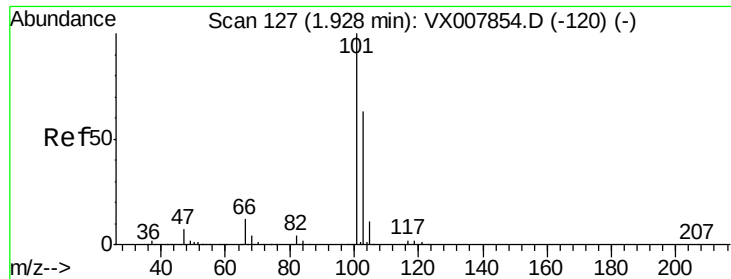
Tgt Ion: 64 Resp: 104133

Ion Ratio Lower Upper

64 100

66 31.5 25.2 37.8





#7

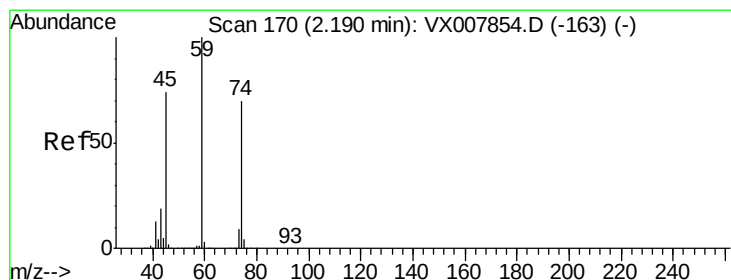
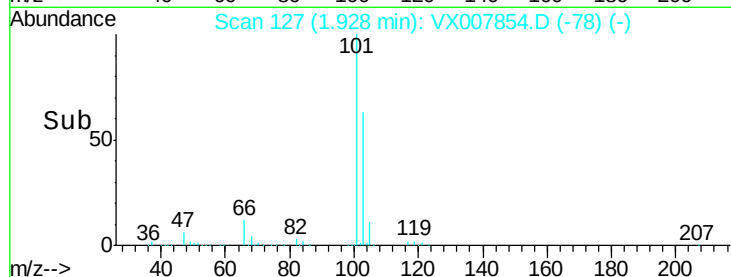
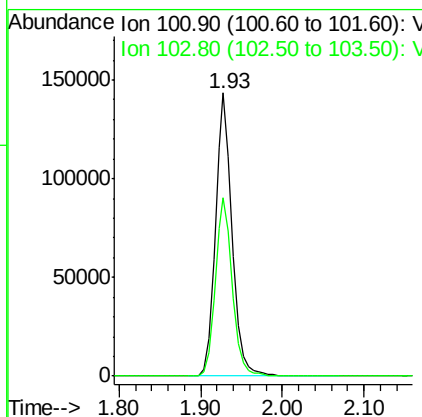
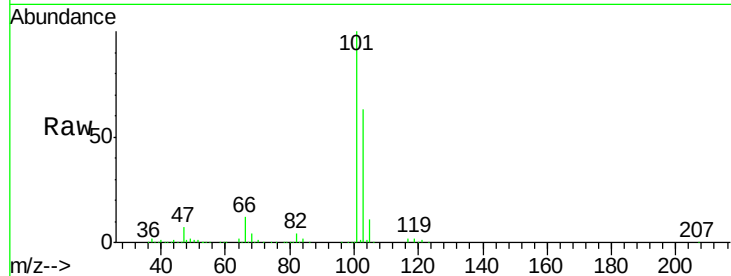
Trichlorofluoromethane
Concen: 48.863 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007854.D
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VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	206026		
103	63.0		50.4	75.6

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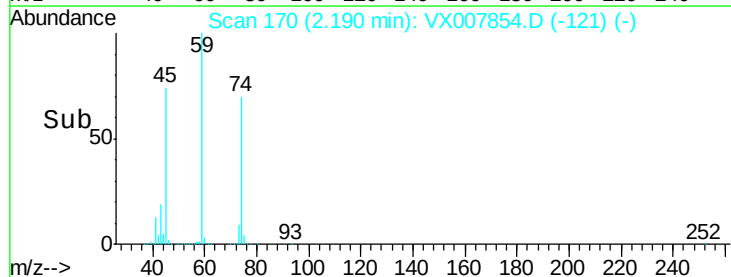
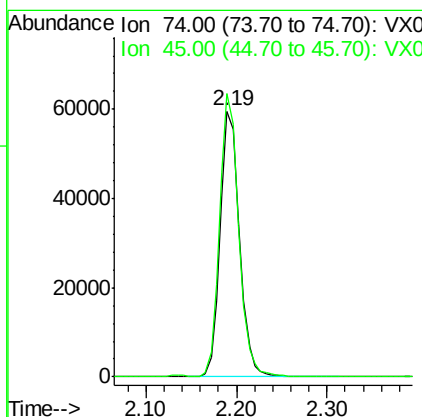
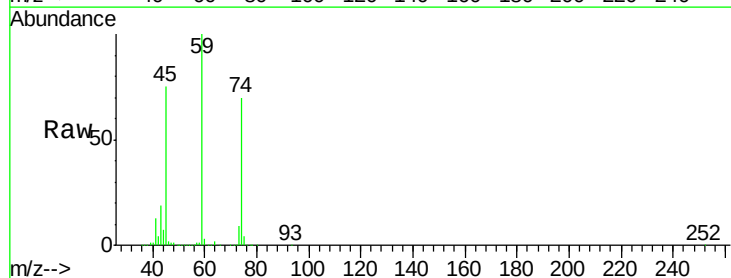
MMDadoda
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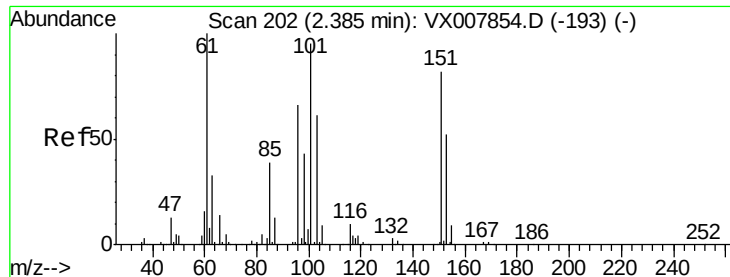


#8

Diethyl Ether
Concen: 48.639 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	88806		
45	104.3		52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.430 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

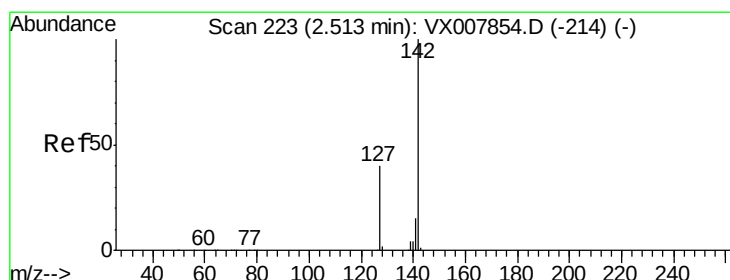
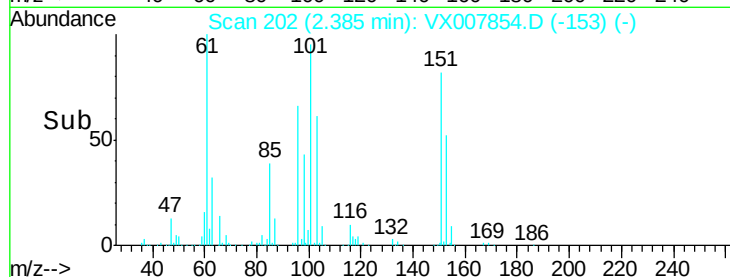
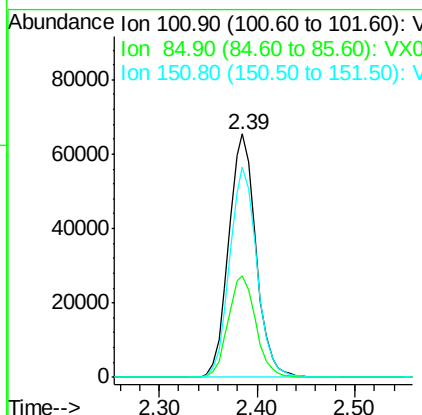
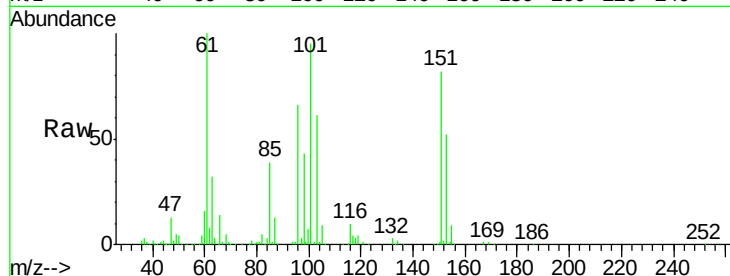
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	126540
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.8	50.6
151	86.4	69.1	103.7

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#10

Methyl Iodide

Concen: 51.449 ug/l

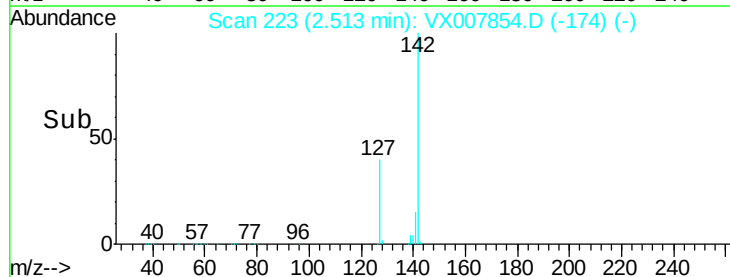
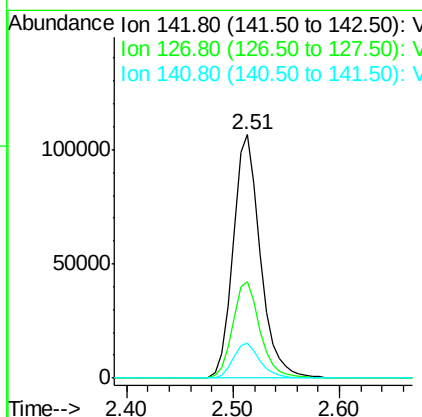
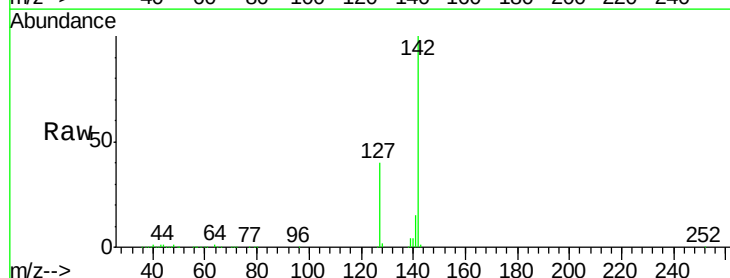
RT: 2.51 min Scan# 223

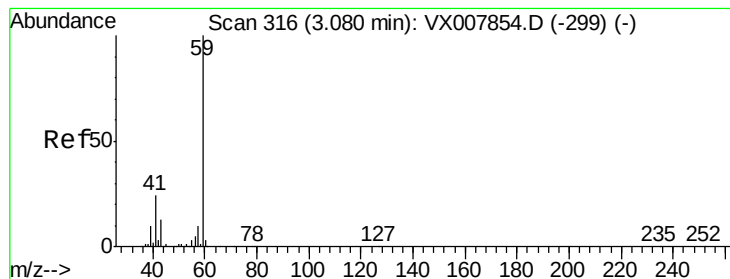
Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Tgt Ion:	142	Resp:	190708
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.1	48.1
141	14.3	11.4	17.2





#11

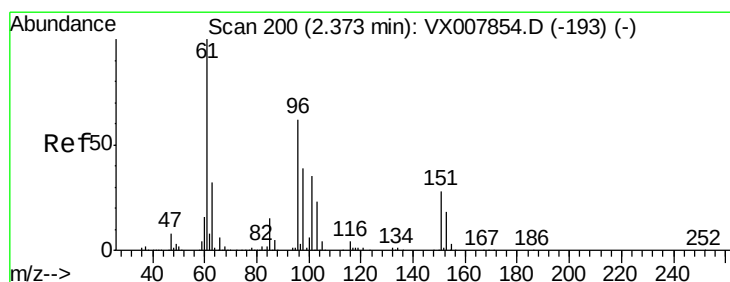
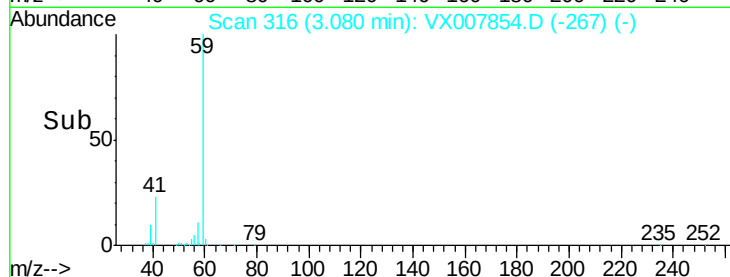
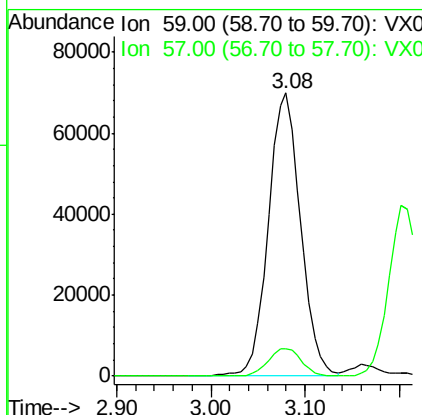
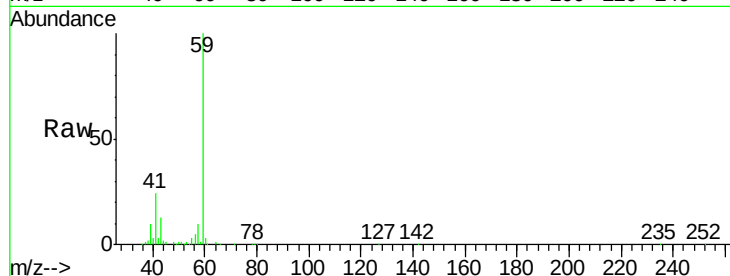
Tert butyl alcohol
 Concen: 239.108 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
 APPROVED

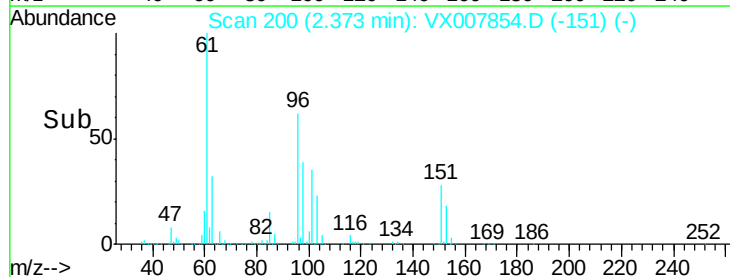
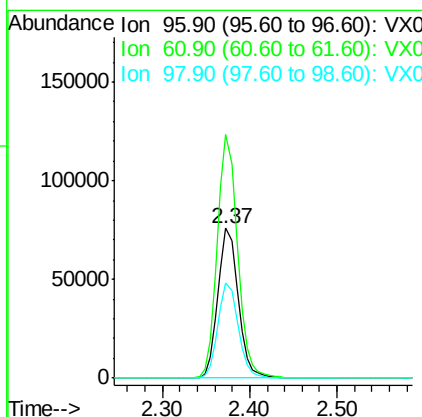
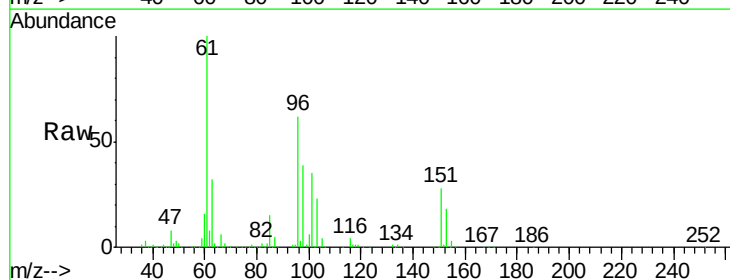
MMDadoda
 3/7/2019 10:34:56 AM

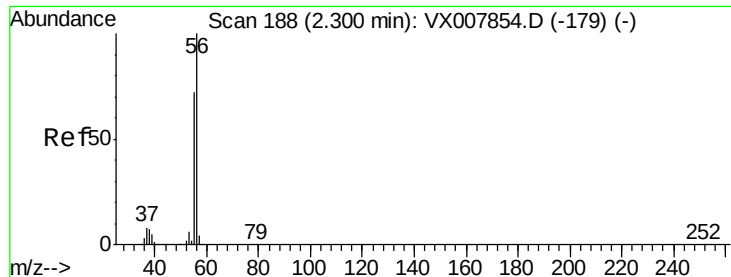


#12

1,1-Dichloroethene
 Concen: 48.568 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	129.8	194.6
98	63.8	51.0	76.6





#13

Acrolein

Concen: 227.088 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 95763

Ion Ratio Lower Upper

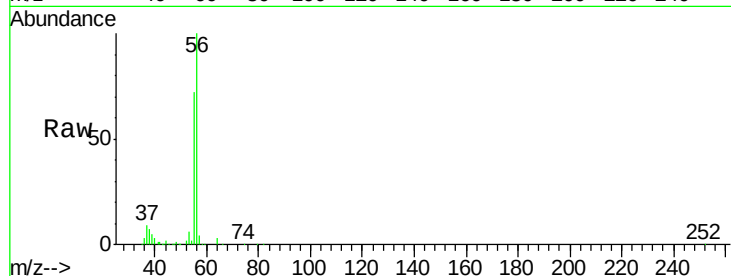
56 100

55 72.2 57.8 86.6

Manual Integrations
APPROVED

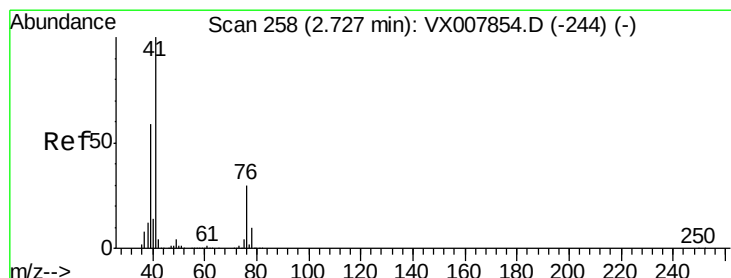
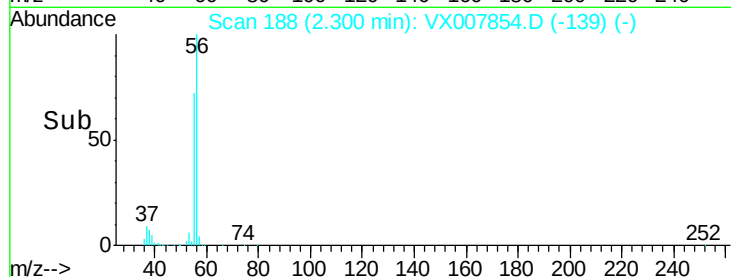
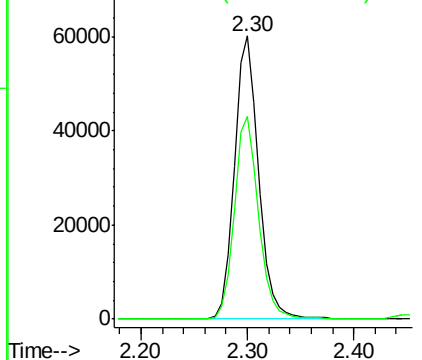
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.992 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

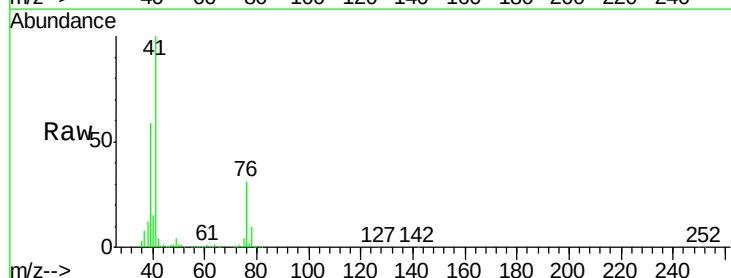
Tgt Ion: 41 Resp: 259287

Ion Ratio Lower Upper

41 100

39 57.6 46.1 69.1

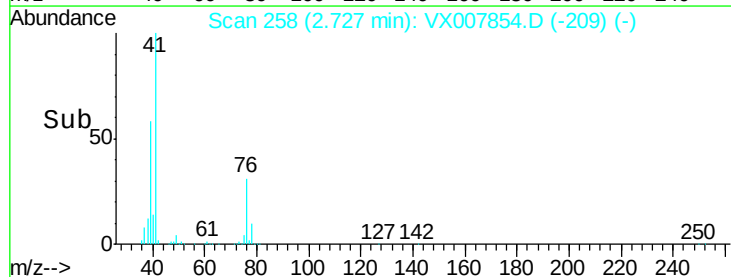
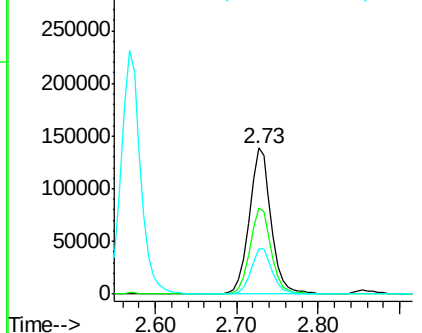
76 30.0 24.0 36.0

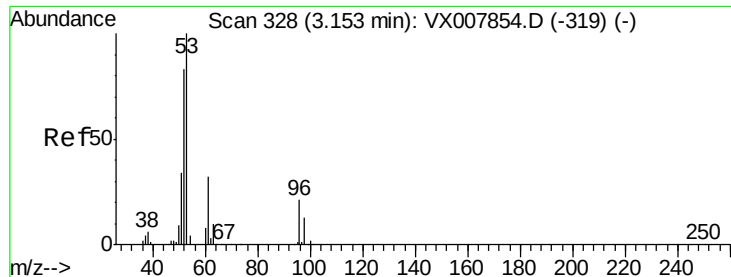


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 240.887 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

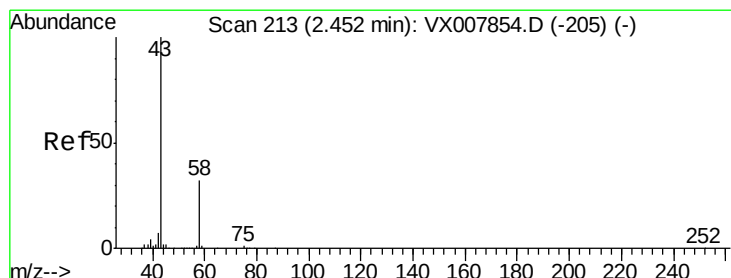
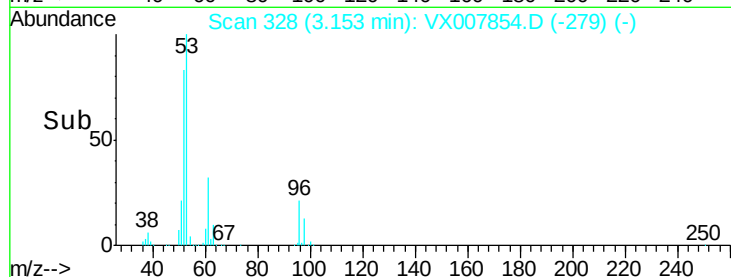
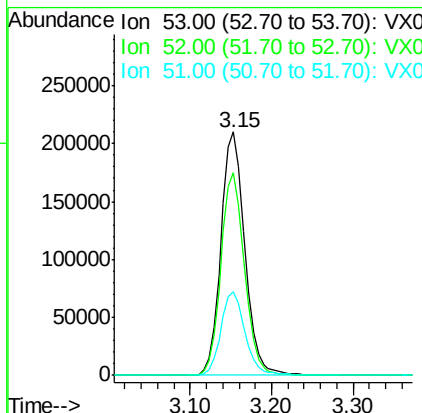
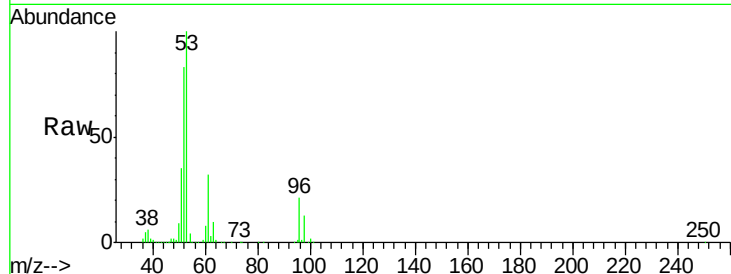
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	424620
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.0	99.0
51	35.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 255.571 ug/l

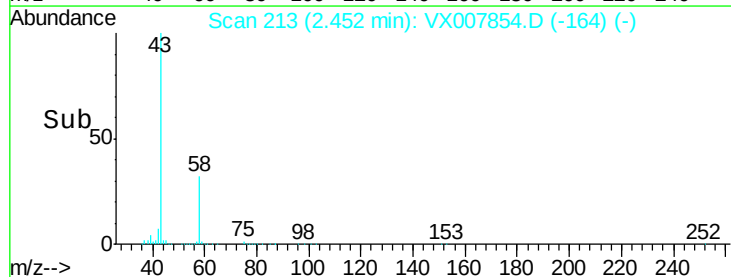
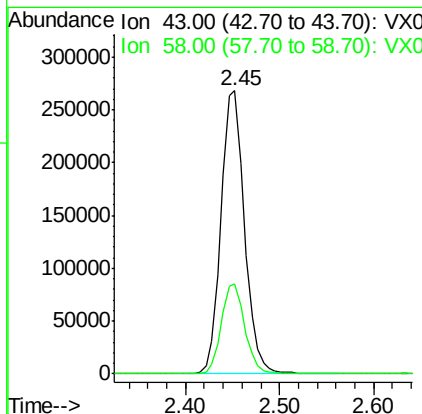
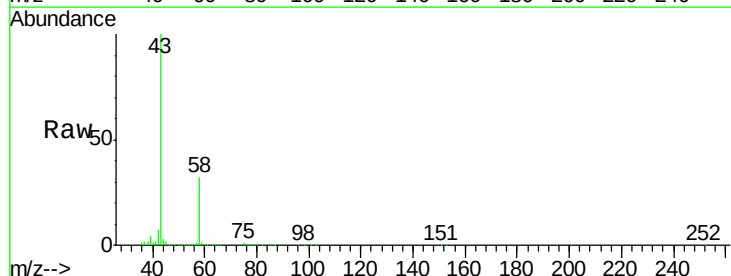
RT: 2.45 min Scan# 213

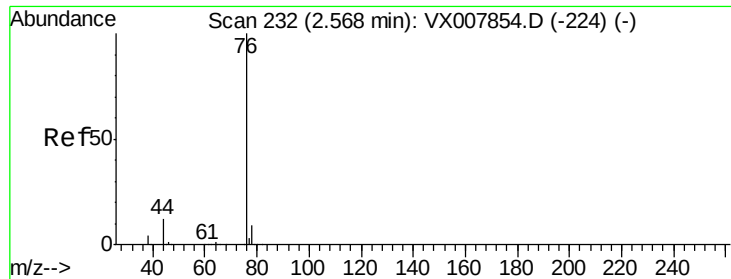
Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Tgt Ion:	43	Resp:	461943
Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.5	38.3





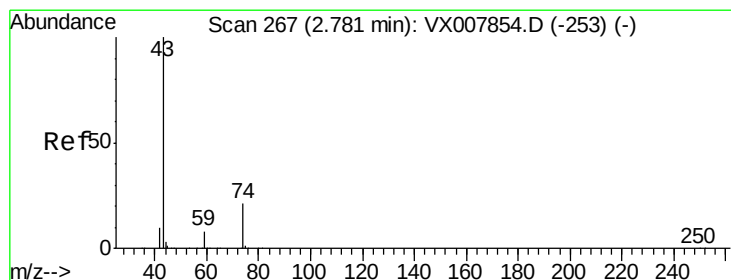
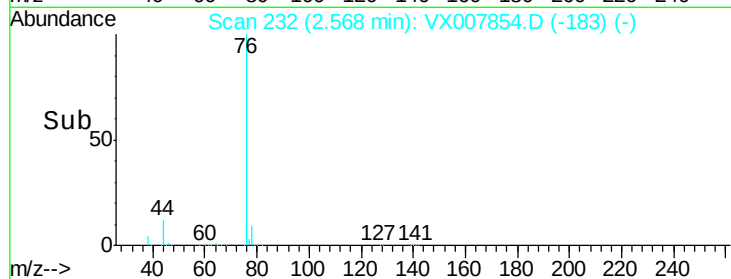
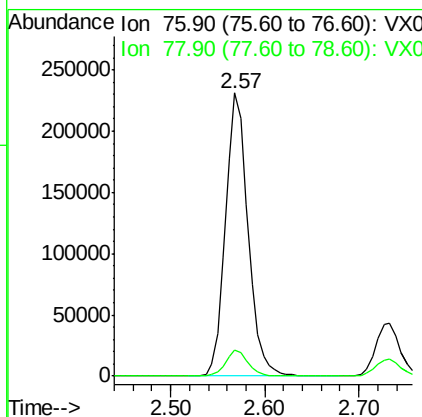
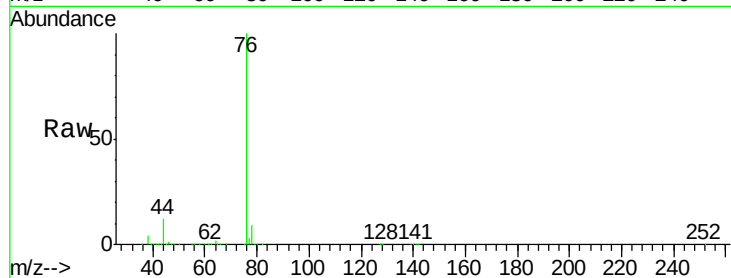
#17
Carbon Disulfide
Concen: 45.460 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

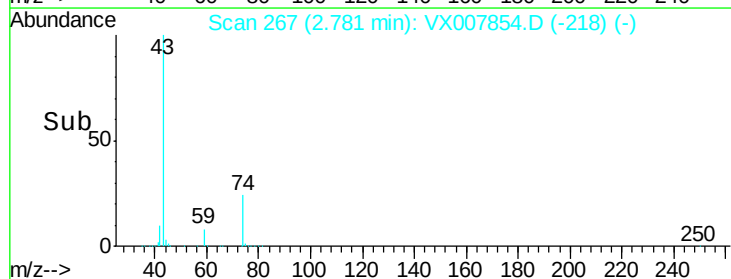
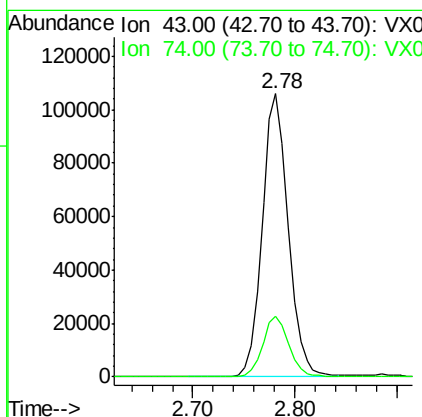
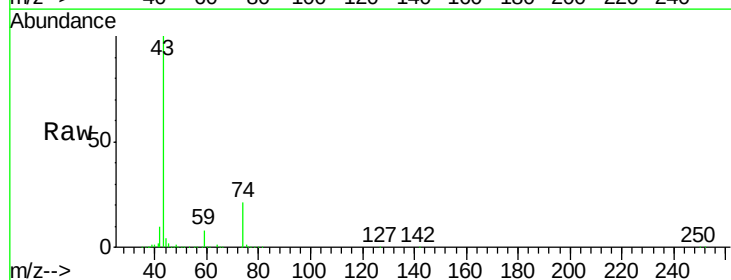
Manual Integrations
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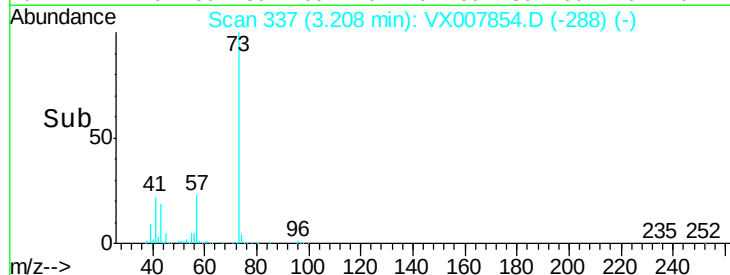
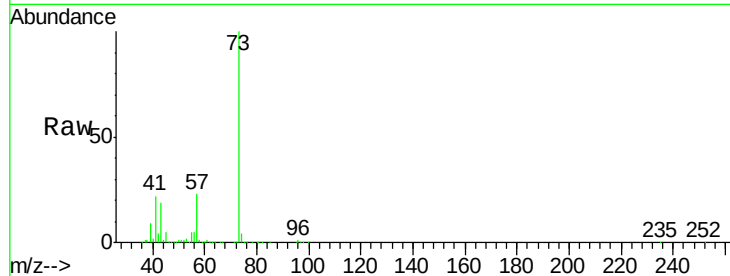
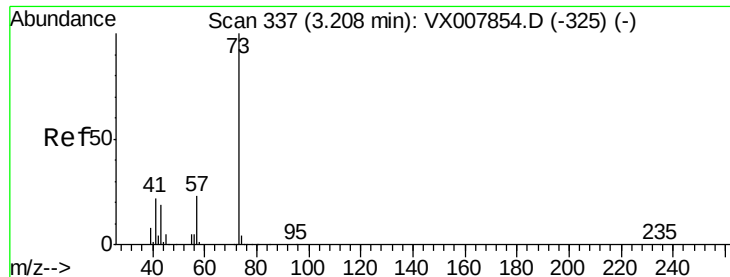
MMDadoda
3/7/2019 10:34:56 AM



#18
Methyl Acetate
Concen: 48.769 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.8	26.6





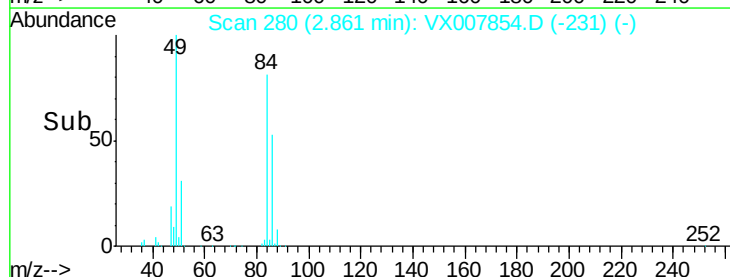
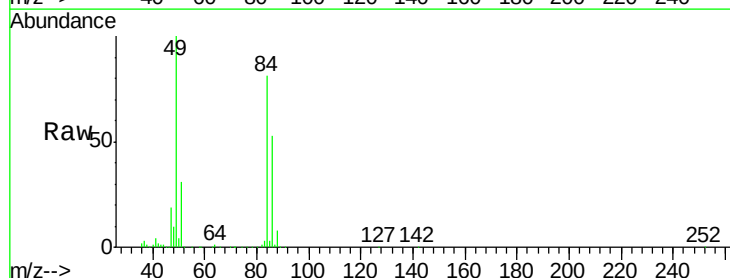
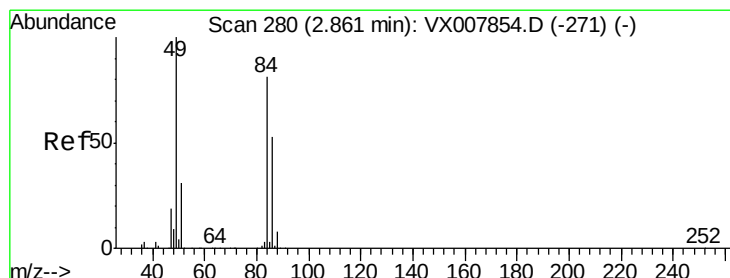
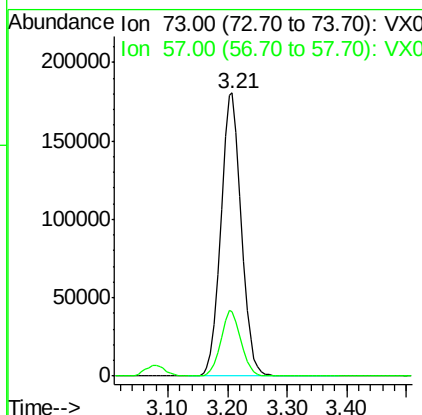
#19
Methyl tert-butyl Ether
Concen: 49.449 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.2	27.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

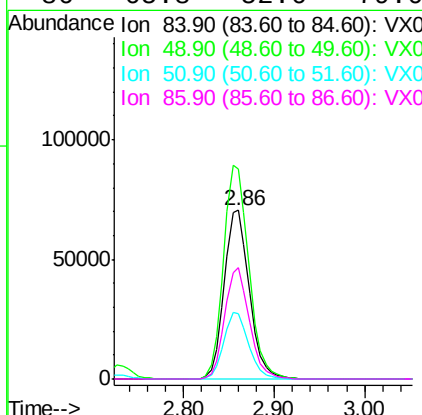
Manual Integrations
APPROVED

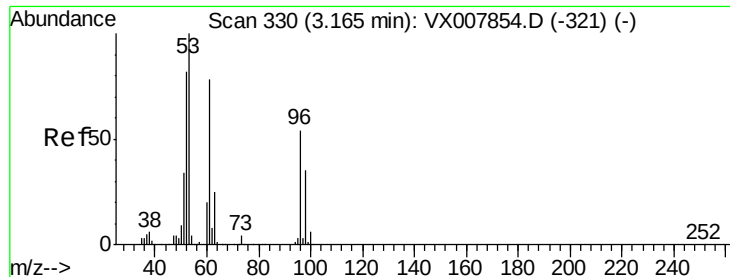
MMDadoda
3/7/2019 10:34:56 AM



#20
Methylene Chloride
Concen: 47.292 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.1	99.3	148.9
51	39.1	31.3	46.9
86	65.8	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 47.123 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

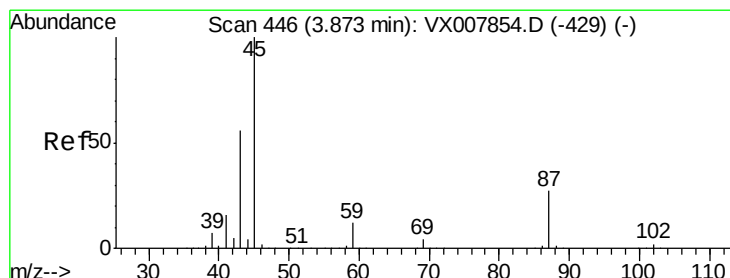
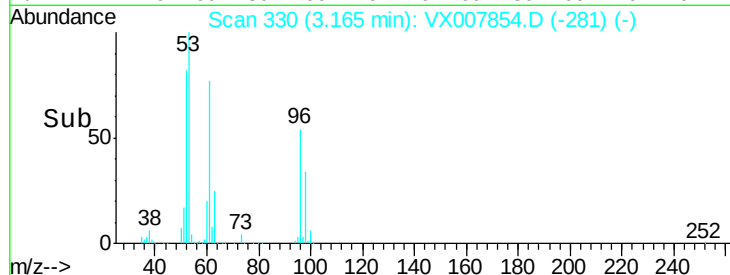
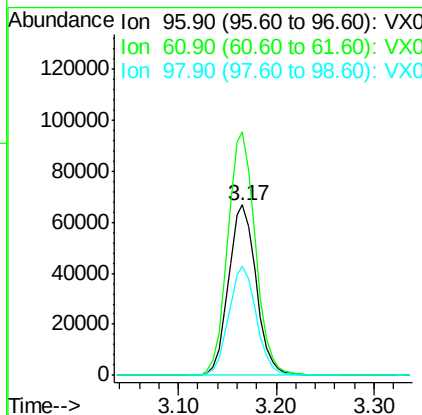
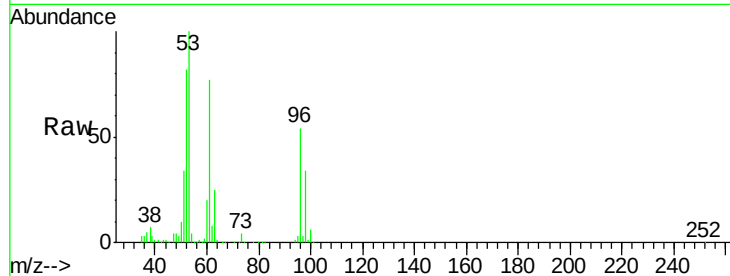
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	130591
Ion Ratio	Lower	Upper	
96	100		
61	143.0	114.4	171.6
98	63.9	51.1	76.7

Manual Integrations
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3/7/2019 10:34:56 AM



#22

Diisopropyl ether

Concen: 49.282 ug/l

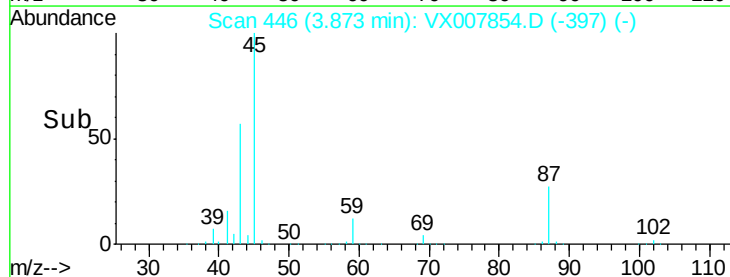
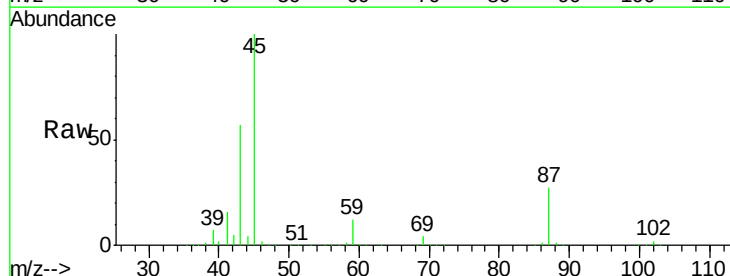
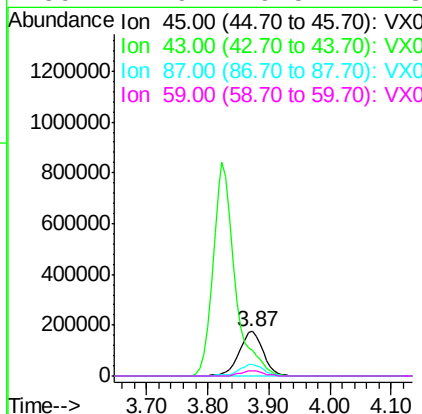
RT: 3.87 min Scan# 446

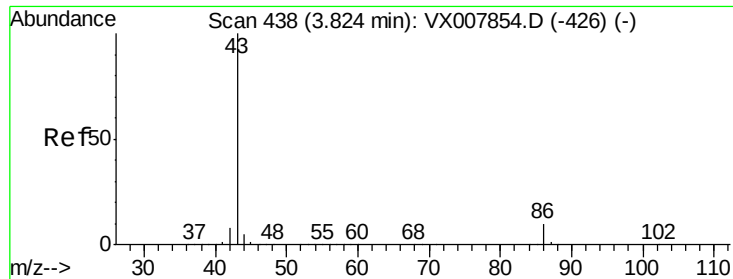
Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Tgt Ion:	45	Resp:	478115
Ion Ratio	Lower	Upper	
45	100		
43	56.6	45.3	67.9
87	26.7	21.4	32.0
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 249.668 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2124054

Ion Ratio Lower Upper

43 100

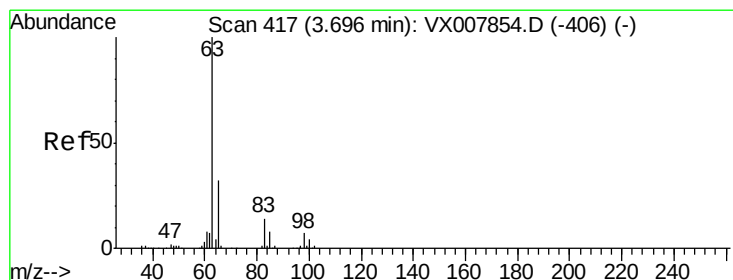
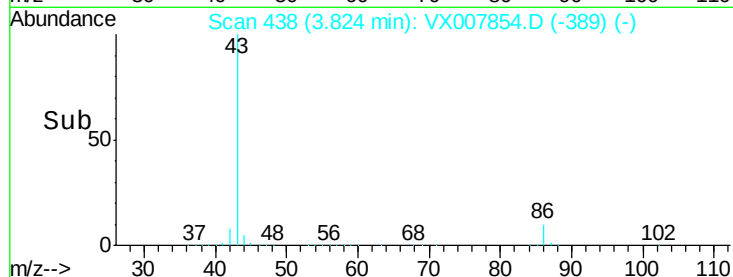
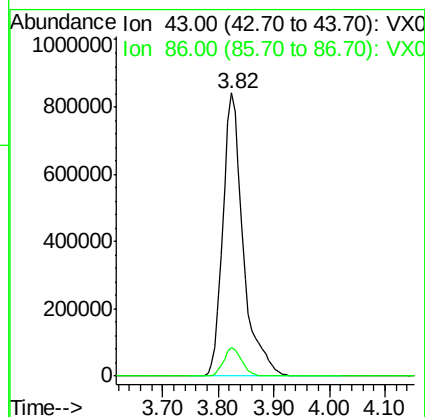
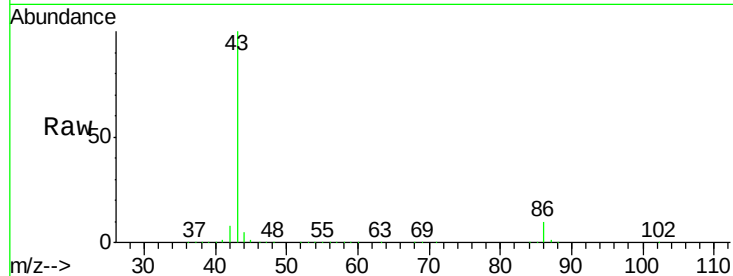
86 9.9 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.107 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

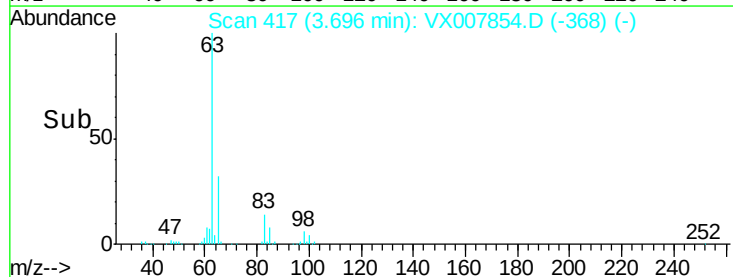
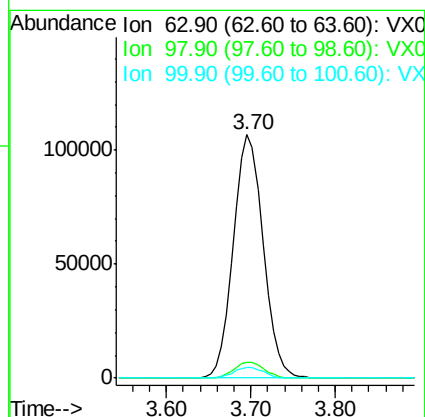
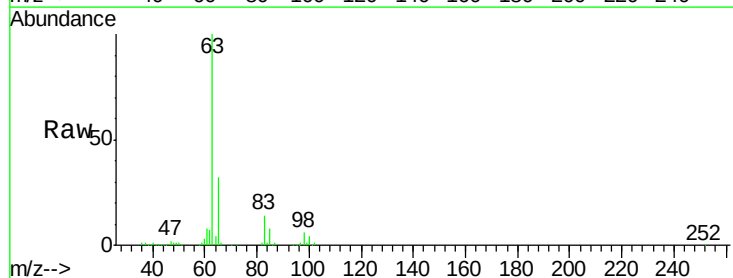
Tgt Ion: 63 Resp: 256379

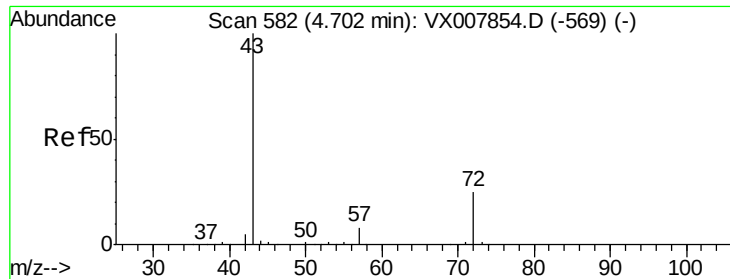
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 250.027 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 639803

Ion Ratio Lower Upper

43 100

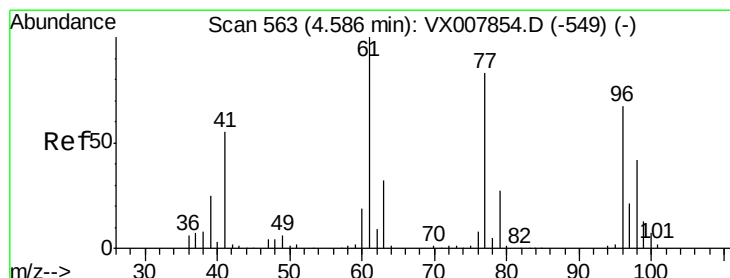
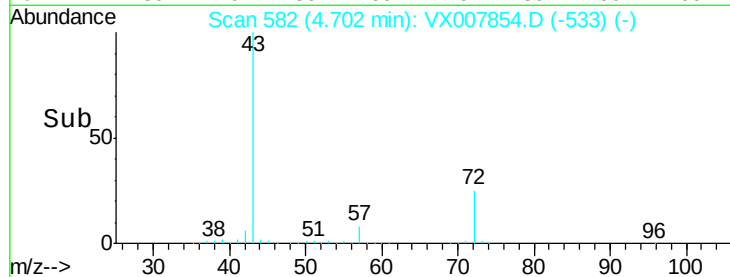
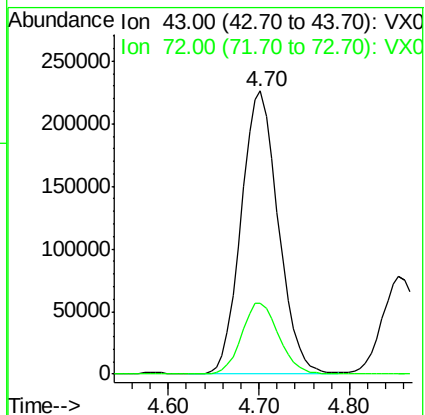
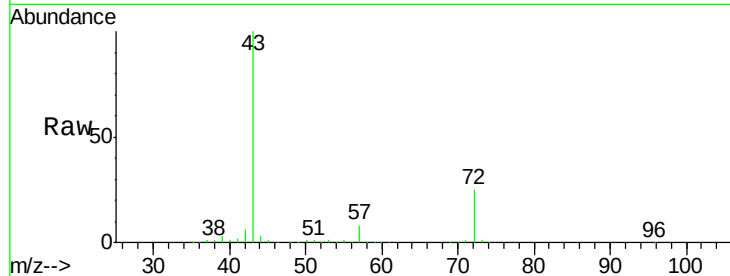
72 24.9 19.9 29.9

Manual Integrations

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MMDadoda

3/7/2019 10:34:56 AM



#26

2,2-Dichloropropane

Concen: 50.023 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007854.D

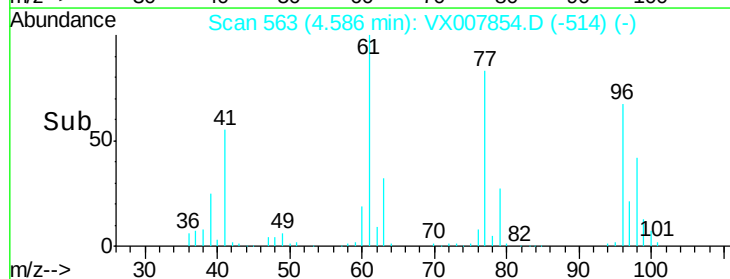
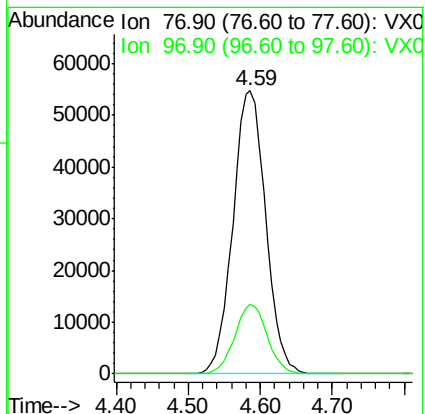
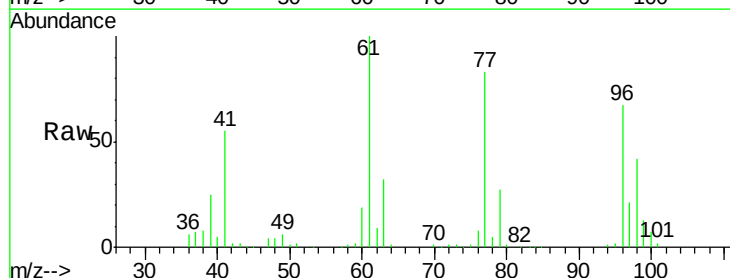
Acq: 06 Mar 2019 11:00

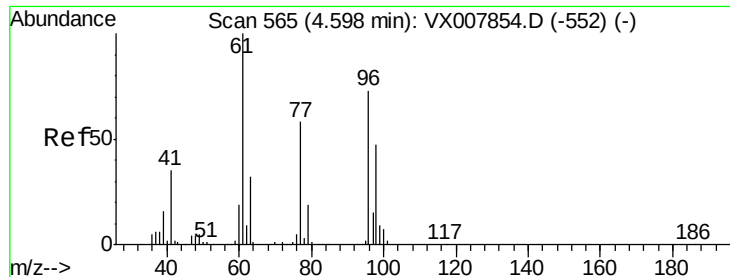
Tgt Ion: 77 Resp: 173025

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

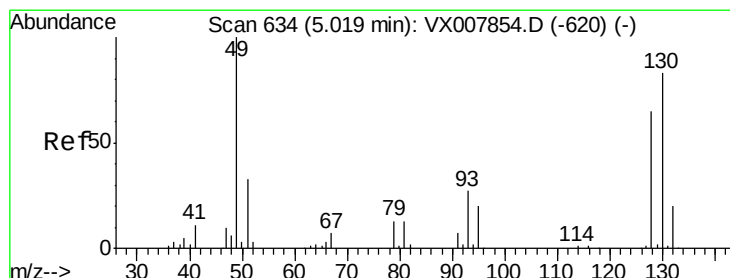
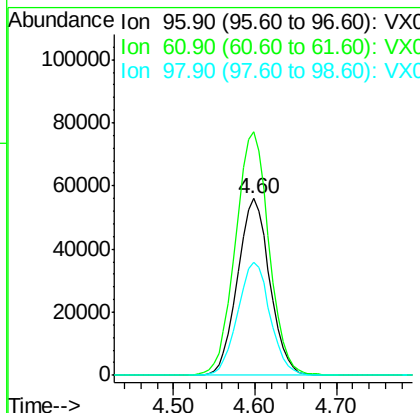
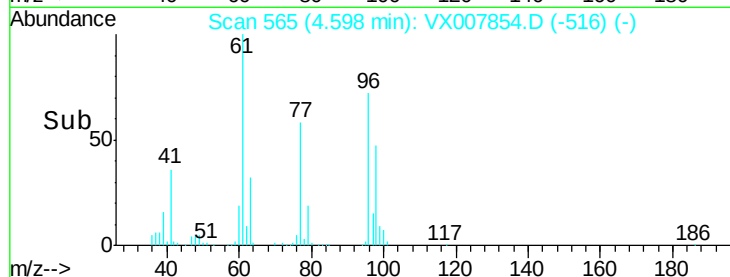
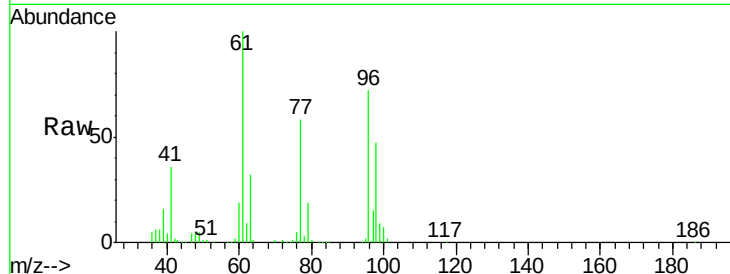
cis-1,2-Dichloroethene
Concen: 48.427 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	288.0
98	64.5	0.0	129.0

Manual Integrations
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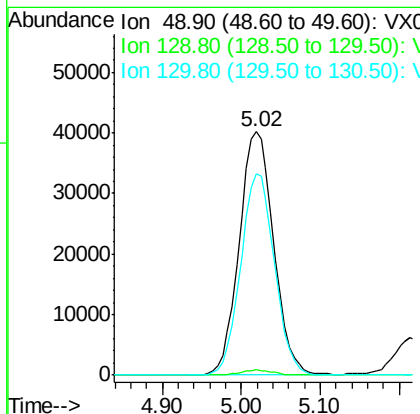
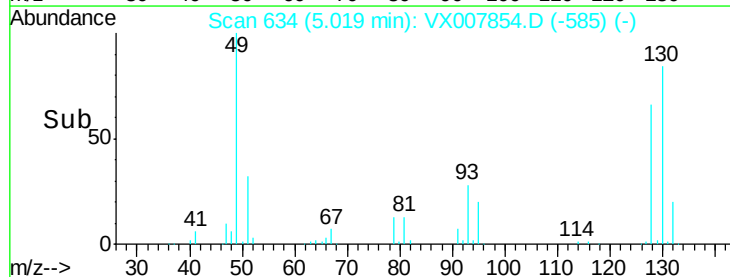
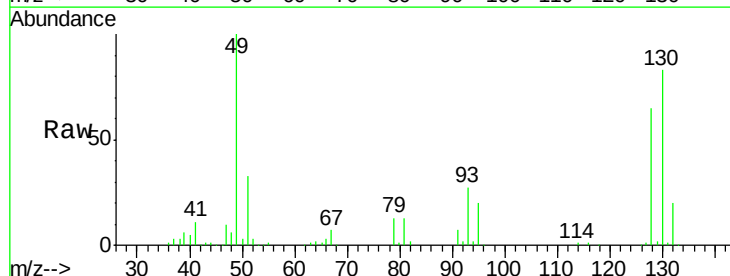
MMDadoda
3/7/2019 10:34:56 AM

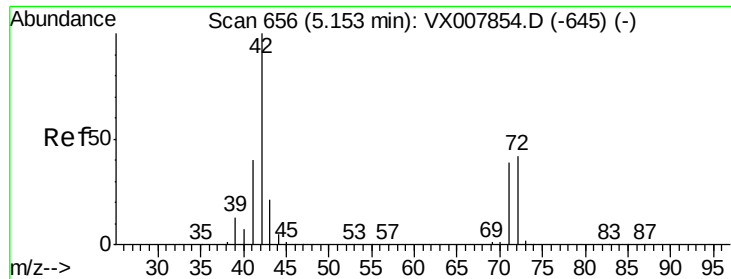


#28

Bromochloromethane
Concen: 50.223 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	81.2	65.0	97.4





#29

Tetrahydrofuran

Concen: 248.117 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 42 Resp: 396039

Ion Ratio Lower Upper

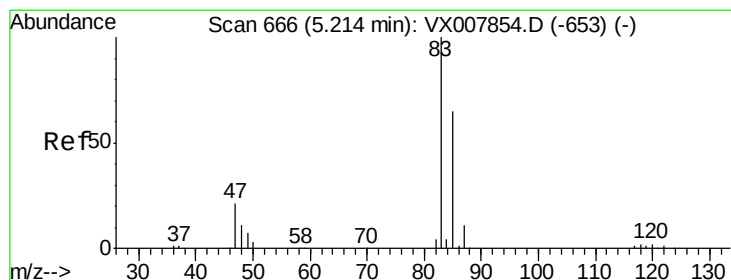
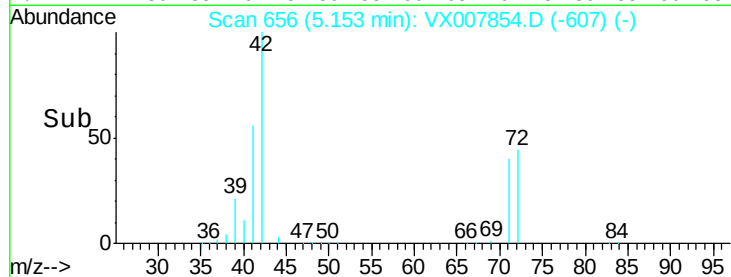
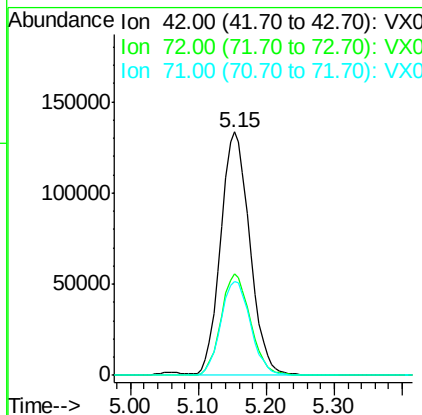
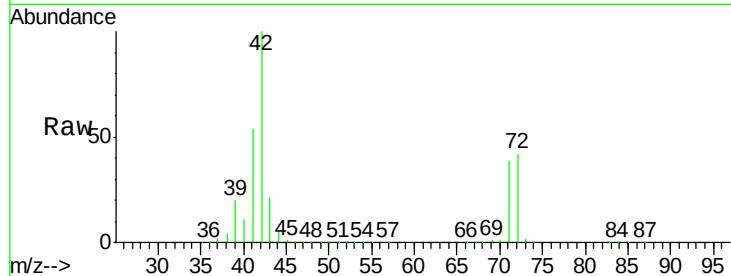
42 100

72 42.2 33.8 50.6

71 39.4 31.5 47.3

Manual Integrations
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3/7/2019 10:34:56 AM



#30

Chloroform

Concen: 49.301 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007854.D

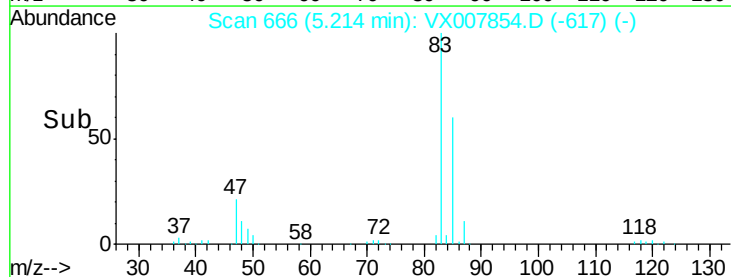
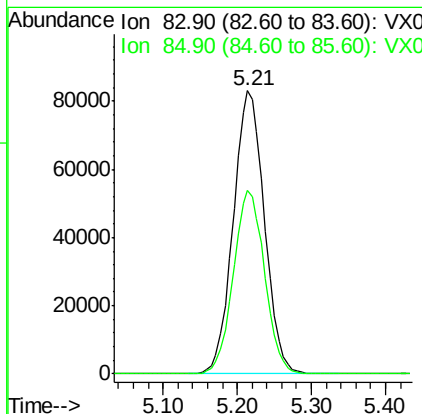
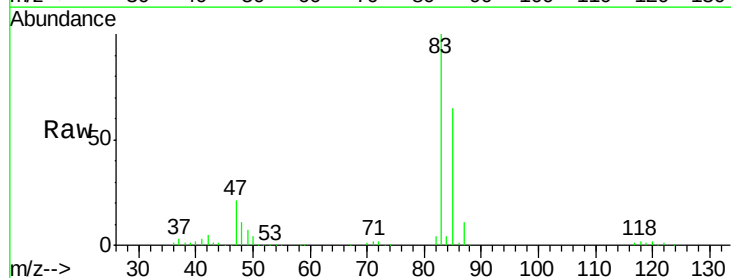
Acq: 06 Mar 2019 11:00

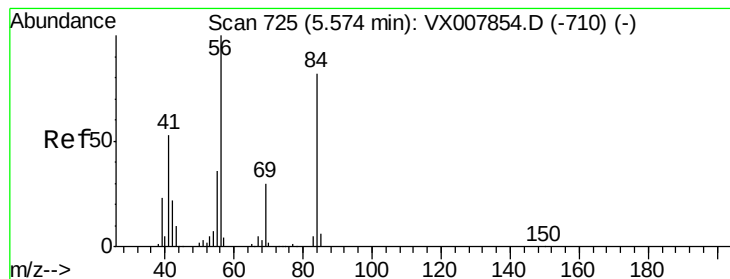
Tgt Ion: 83 Resp: 243480

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6





#31

Cyclohexane

Concen: 49.985 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

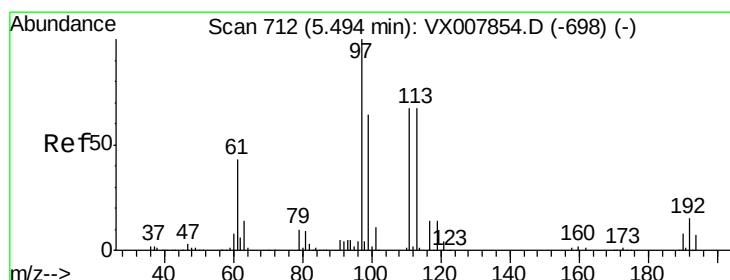
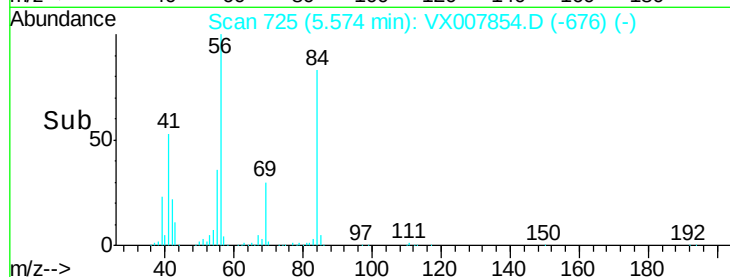
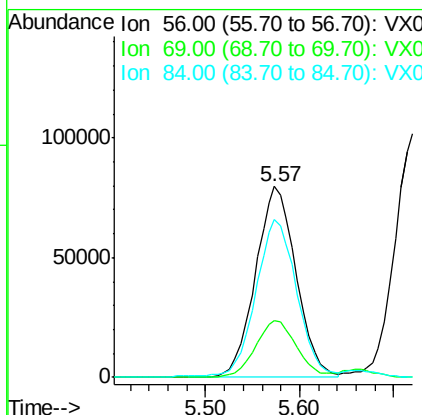
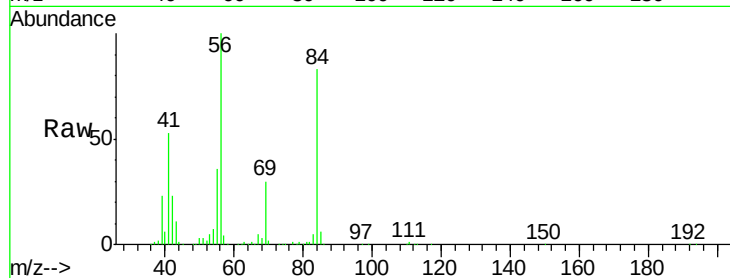
ClientSampled :

VSTDICCC050

Tot Ion:	56	Resp:	239844
Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.0	36.0
84	81.6	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.820 ug/l

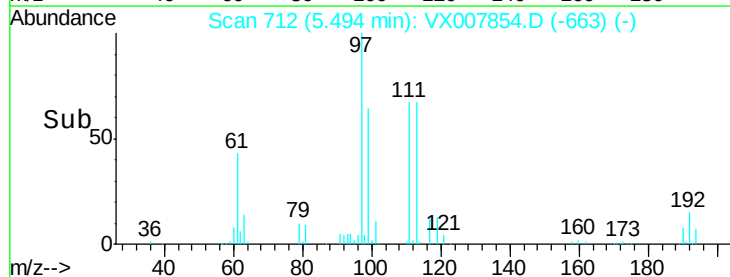
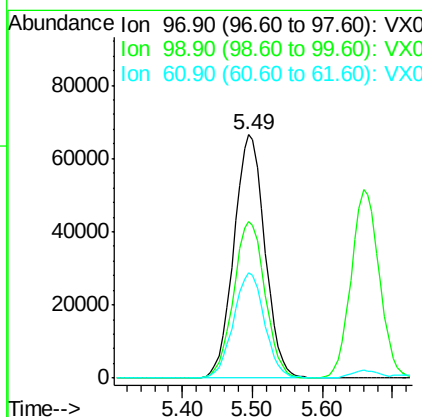
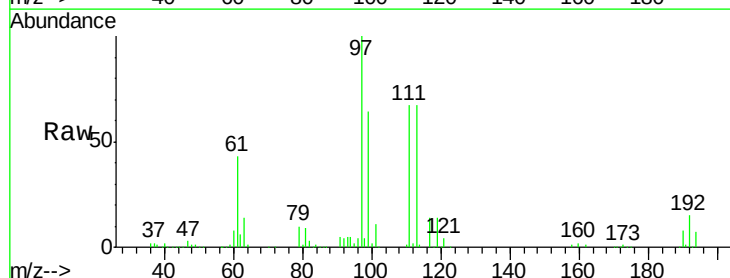
RT: 5.49 min Scan# 712

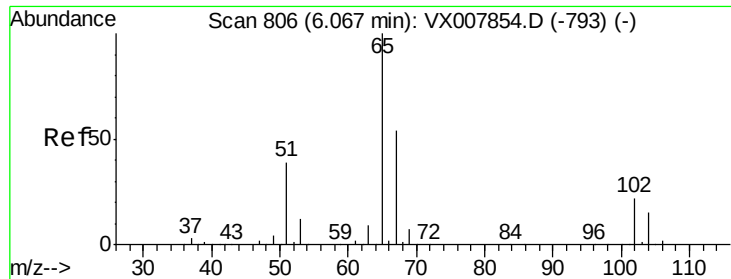
Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Tgt Ion:	97	Resp:	204144
Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	43.6	34.9	52.3





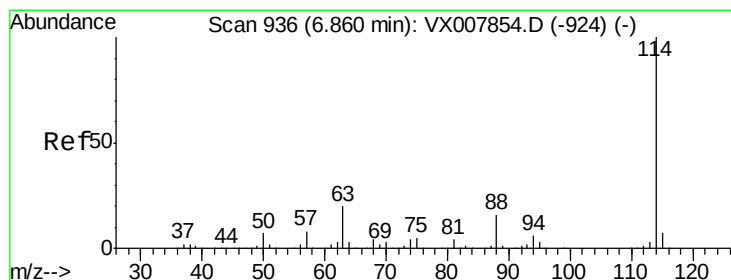
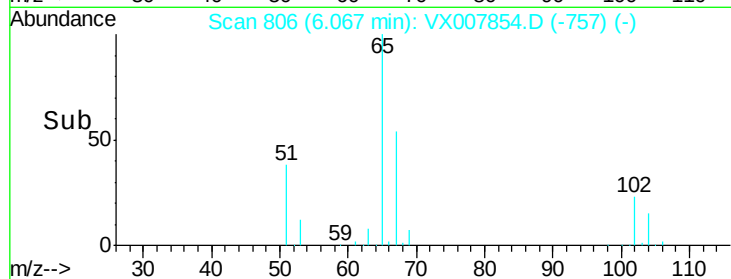
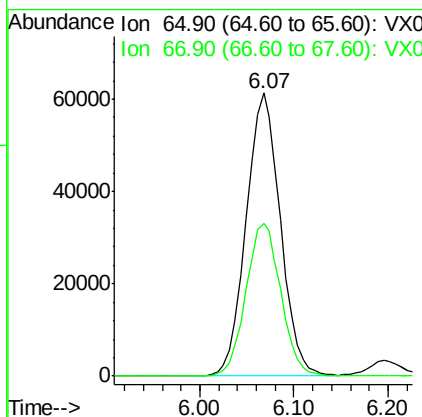
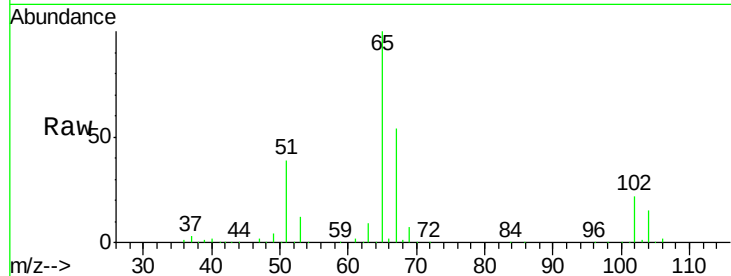
#33
 1,2-Dichloroethane-d4
 Concen: 50.139 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 156575
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.0

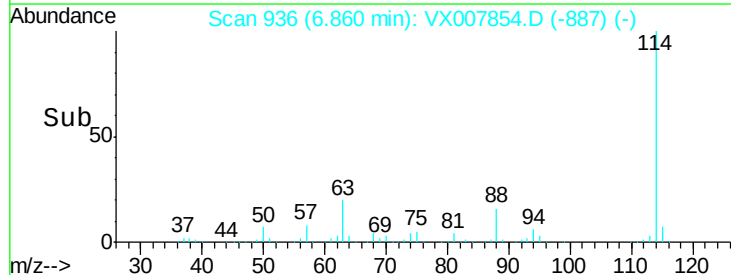
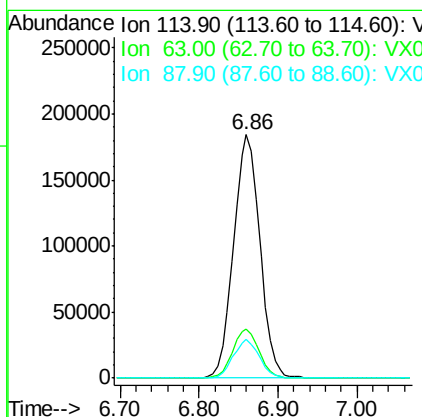
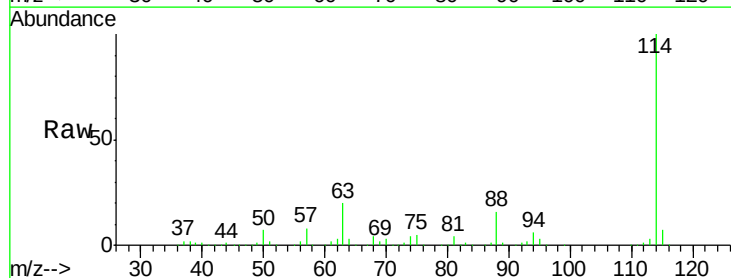
Manual Integrations
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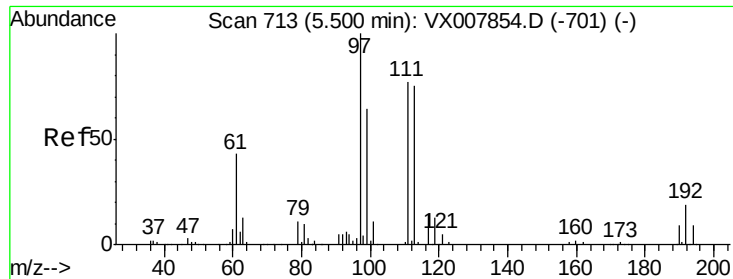
MMDadoda
 3/7/2019 10:34:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Tgt Ion: 114 Resp: 428752
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.7 0.0 31.4





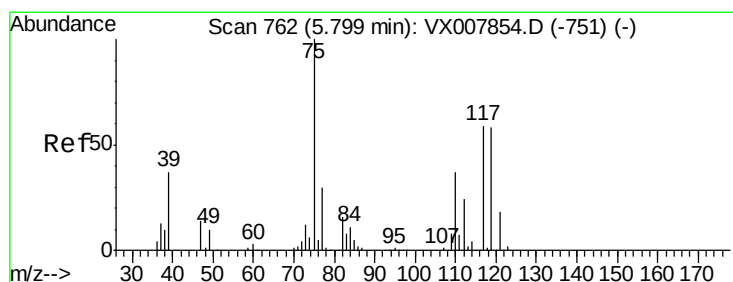
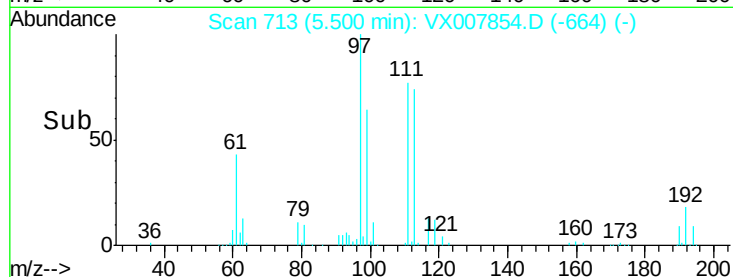
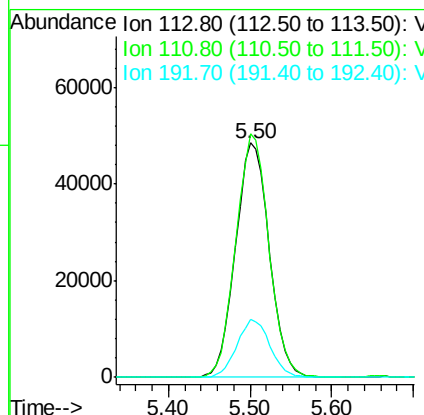
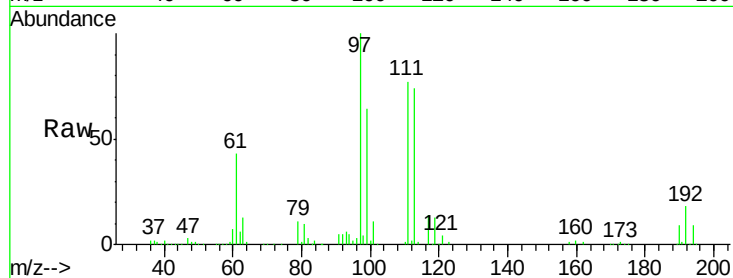
#35
 Dibromofluoromethane
 Concen: 50.582 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138726		
111	101.7	81.4	122.0	
192	24.2	19.4	29.0	

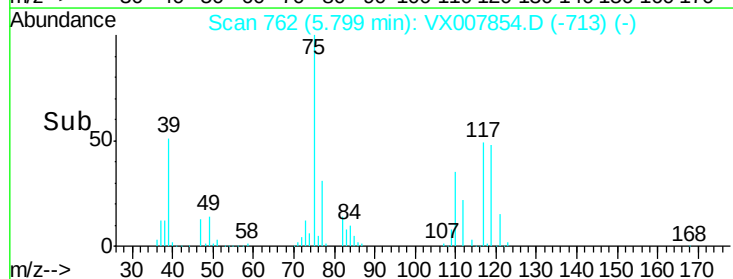
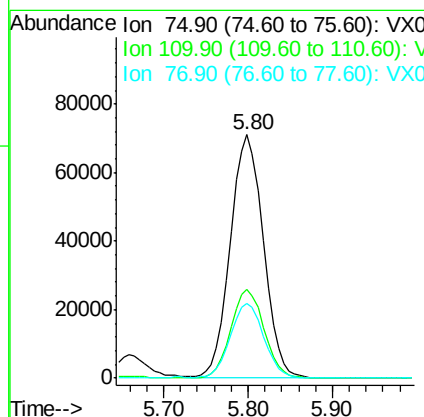
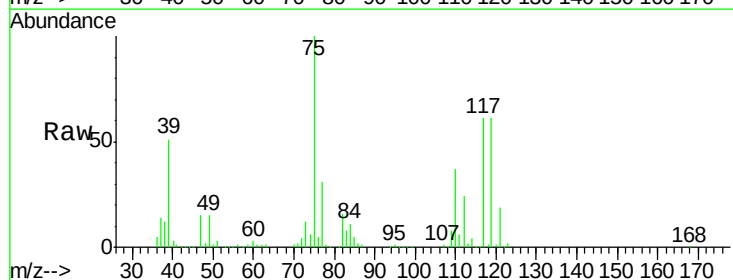
Manual Integrations
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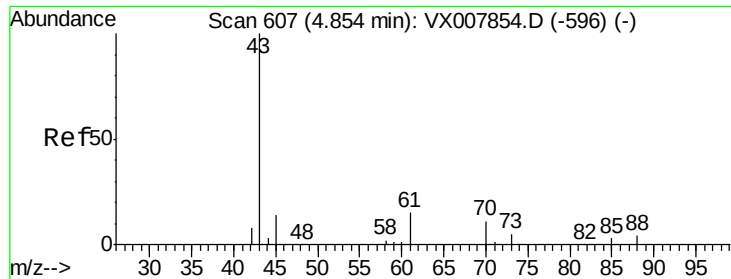
MMDadoda
 3/7/2019 10:34:56 AM



#36
 1,1-Dichloropropene
 Concen: 48.633 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	188804		
110	36.7	18.4	55.0	
77	31.2	25.0	37.4	





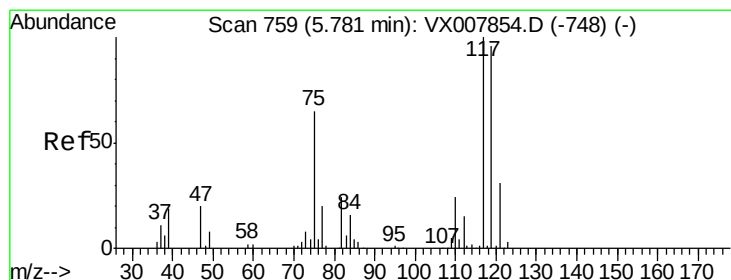
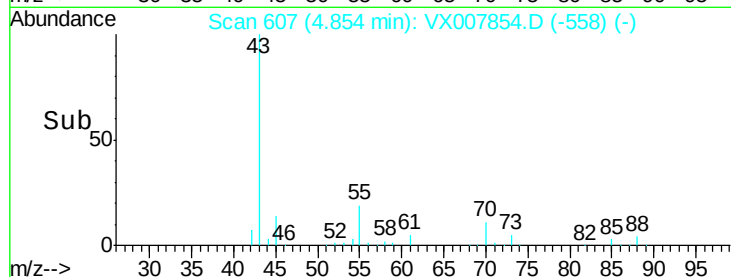
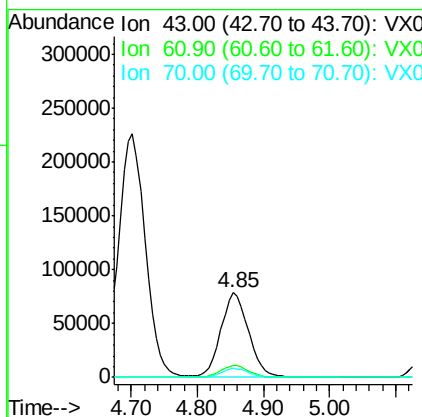
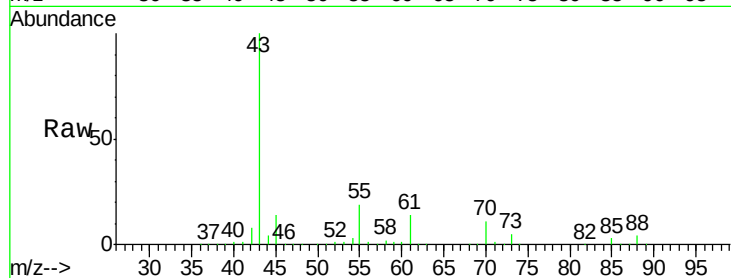
#37
Ethyl Acetate
Concen: 49.256 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.3	16.9
70	10.6	8.5	12.7

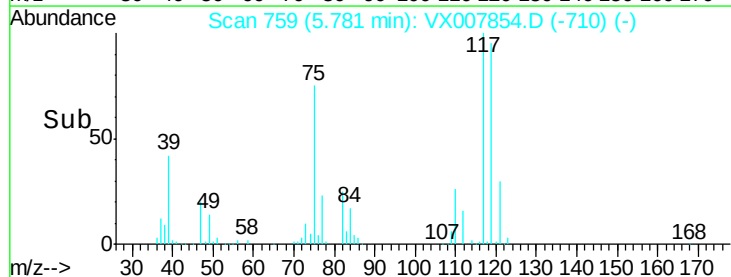
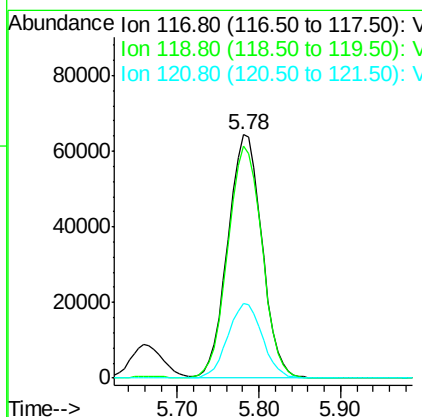
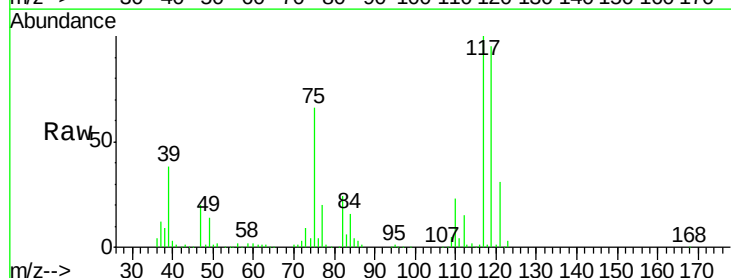
Manual Integrations
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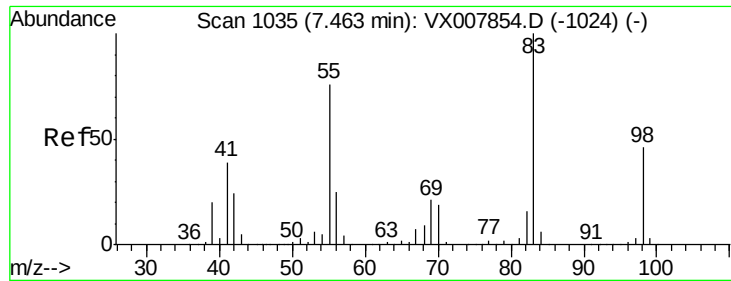
MMDadoda
3/7/2019 10:34:56 AM



#38
Carbon Tetrachloride
Concen: 50.589 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.2
121	30.7	24.6	36.8





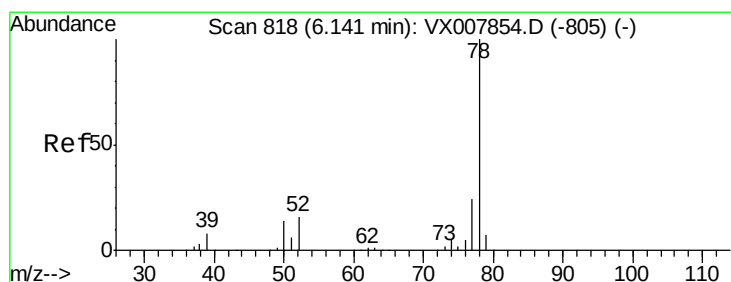
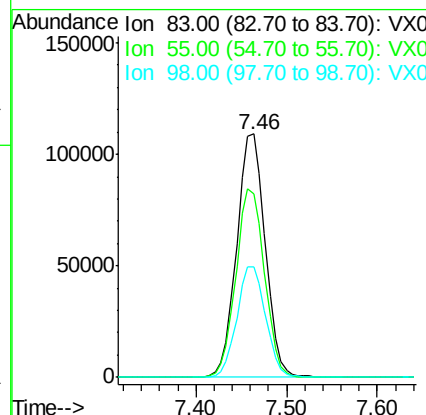
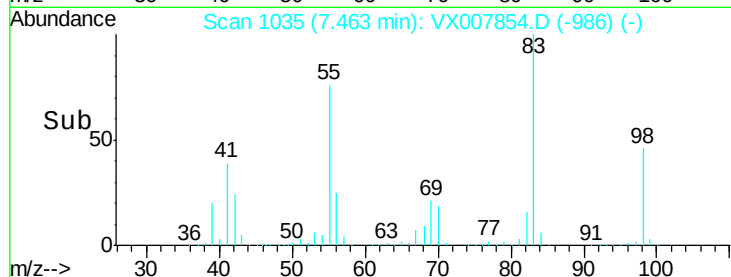
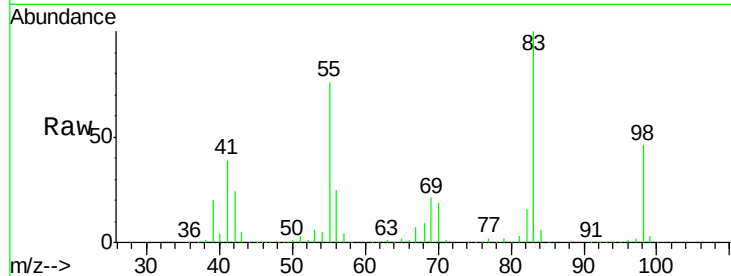
#39
Methylvlcyclohexane
Concen: 50.601 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.5	60.4	90.6	
98	45.6	36.5	54.7	

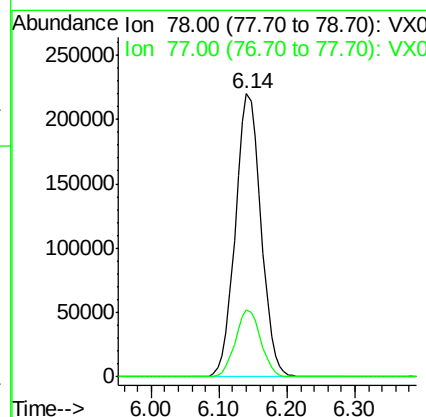
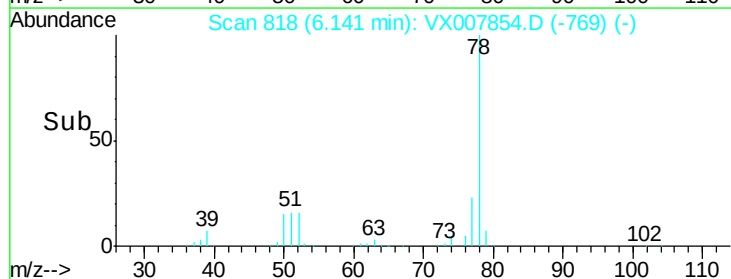
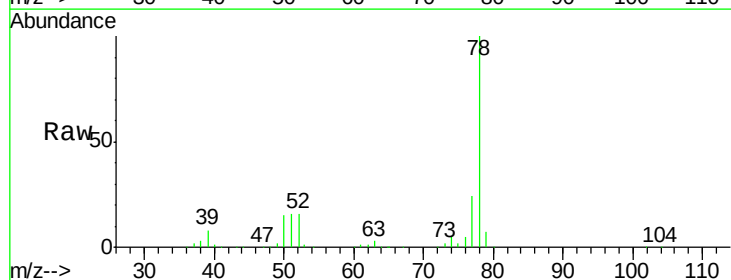
Manual Integrations
APPROVED

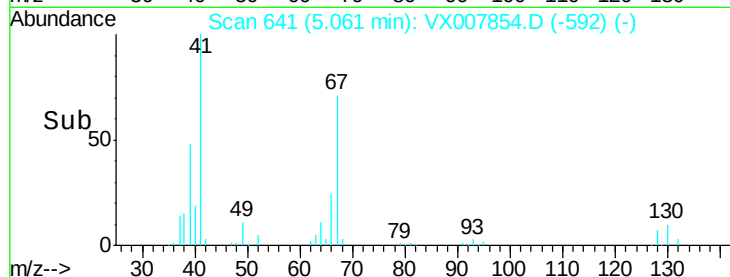
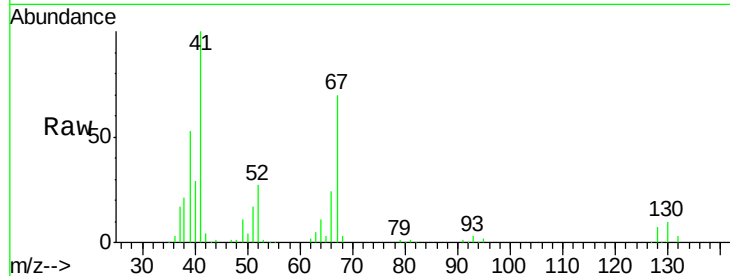
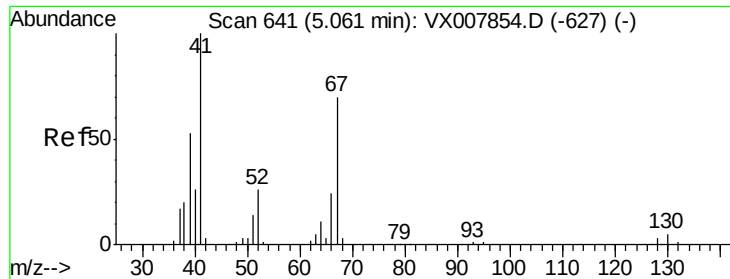
MMDadoda
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#40
Benzene
Concen: 49.657 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.0	28.4	





#41

Methacrylonitrile

Concen: 49.868 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	52.0	41.6	62.4		
67	69.7	55.8	83.6		
52	27.1	21.7	32.5		

Instrument :

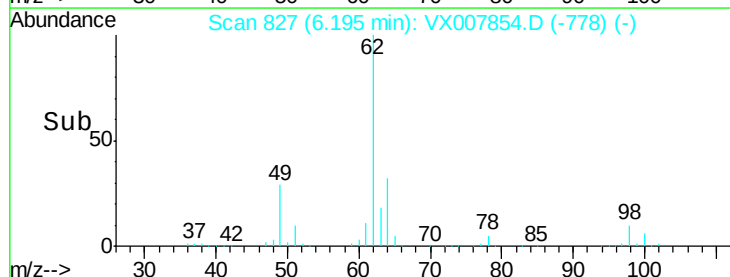
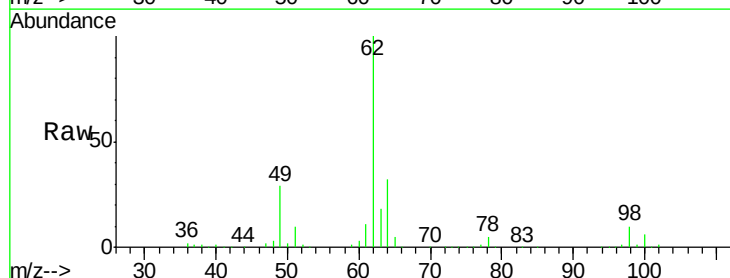
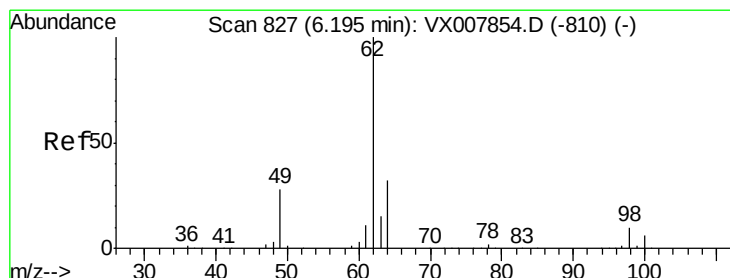
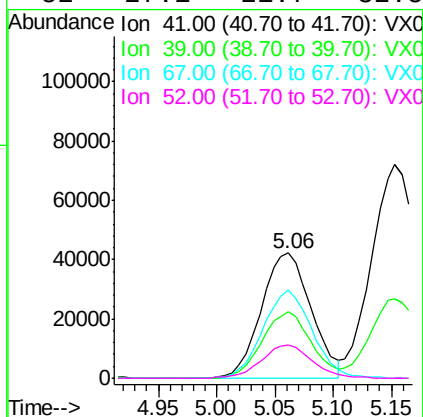
MSVOA_X

ClientSampled :

VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:56 AM



#42

1,2-Dichloroethane

Concen: 49.347 ug/l

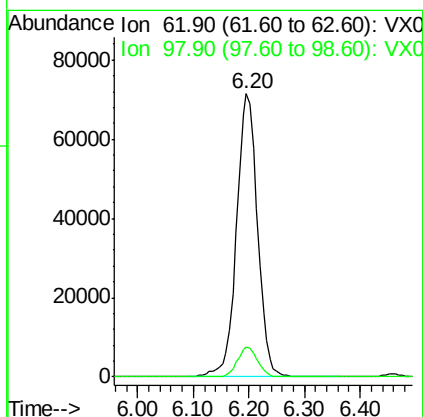
RT: 6.20 min Scan# 827

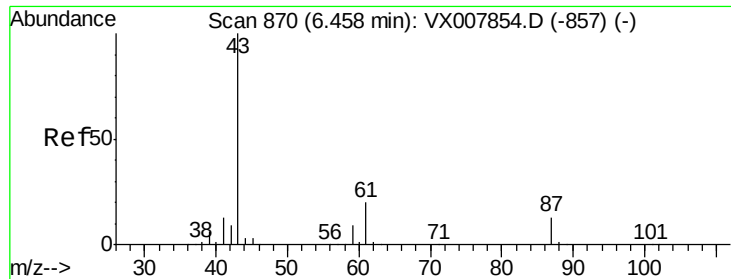
Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.2	0.0	20.4		





#43

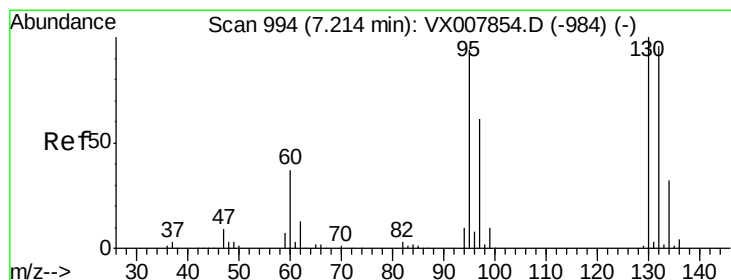
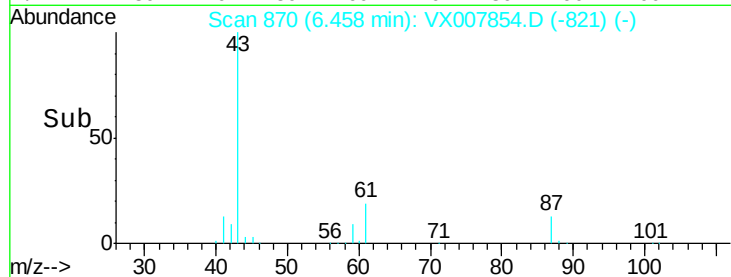
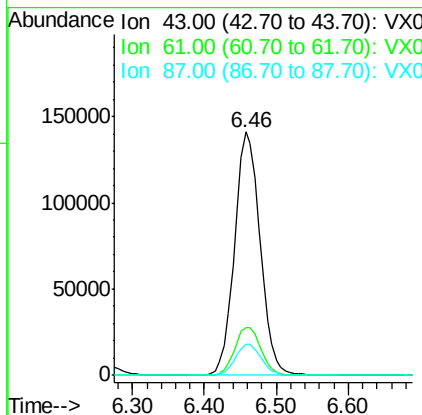
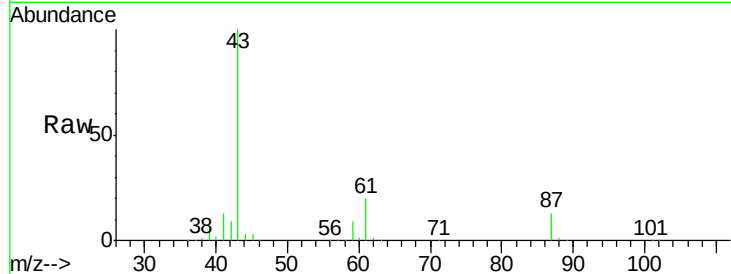
Isopropyl Acetate
 Concen: 50.755 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.3	24.5
87	13.1	10.5	15.7

Manual Integrations
 APPROVED

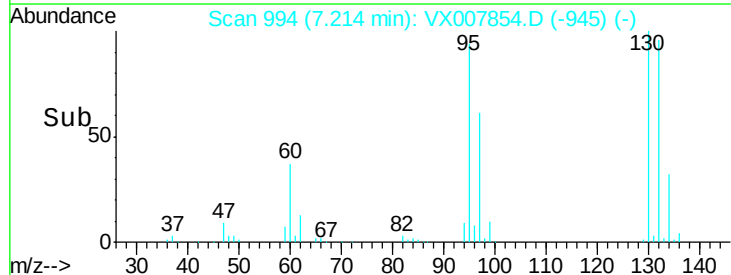
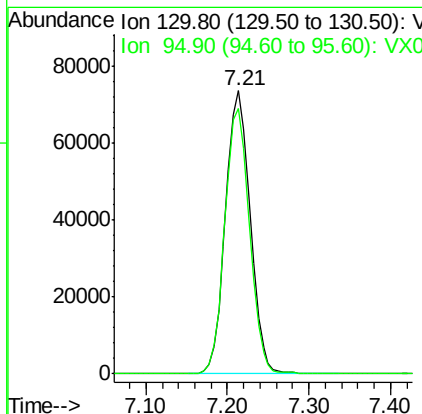
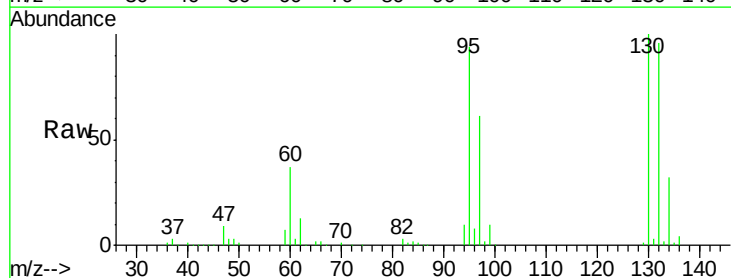
MMDadoda
 3/7/2019 10:34:56 AM

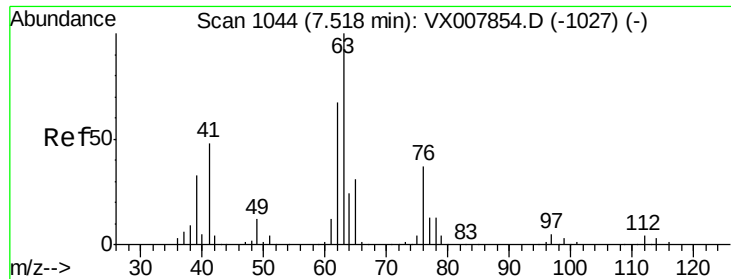


#44

Trichloroethene
 Concen: 48.651 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	188.0





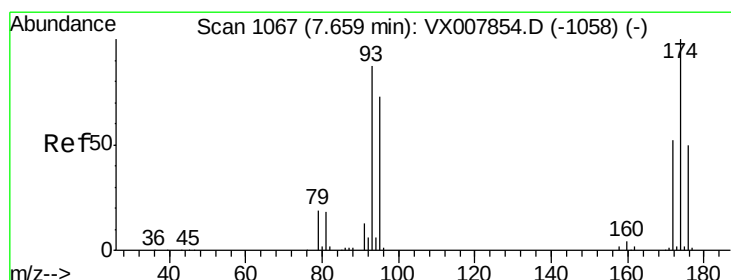
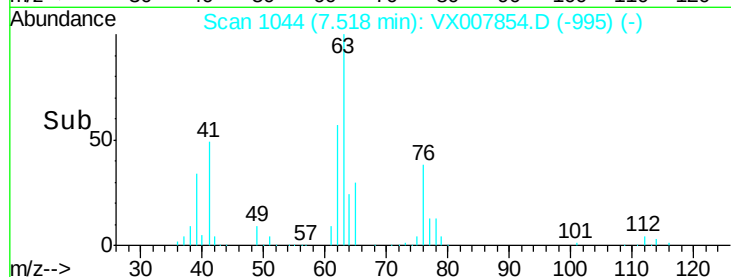
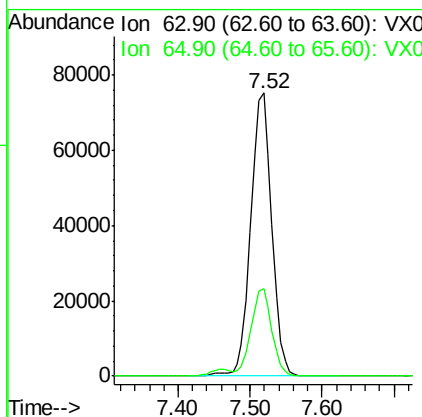
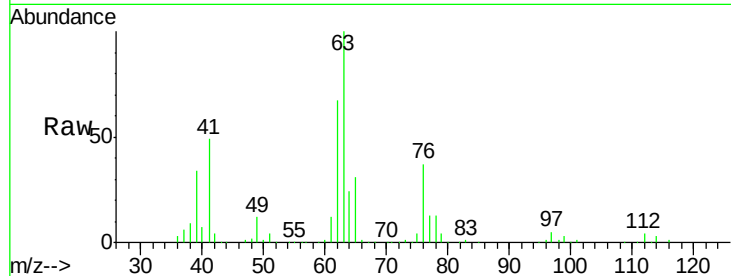
#45
 1,2-Dichloropropane
 Concen: 50.233 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 153341
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

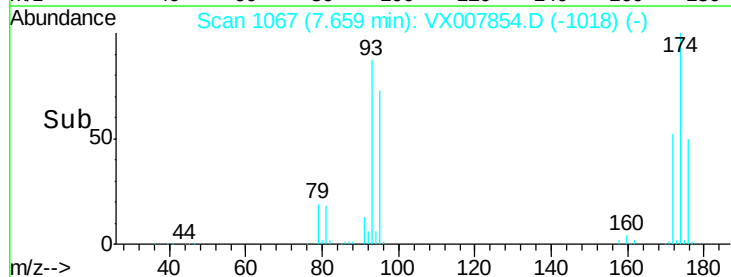
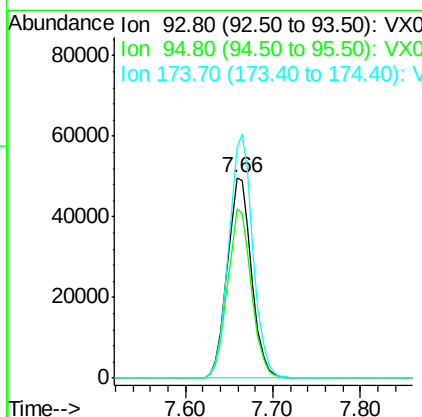
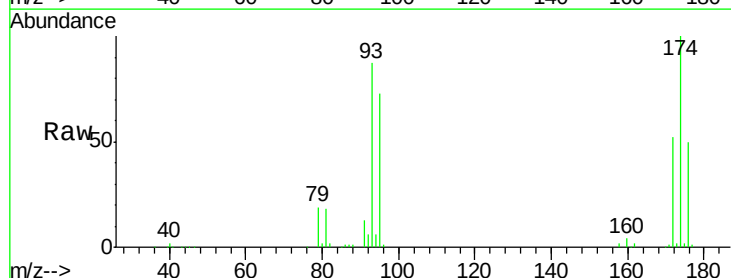
Manual Integrations
 APPROVED

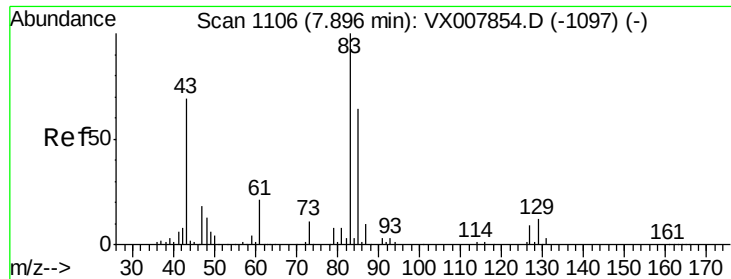
MMDadoda
 3/7/2019 10:34:56 AM



#46
 Dibromomethane
 Concen: 49.353 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Tgt Ion: 93 Resp: 95343
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 121.6 97.3 145.9





#47

Bromodichloromethane

Concen: 51.031 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 83 Resp: 186909

Ion Ratio Lower Upper

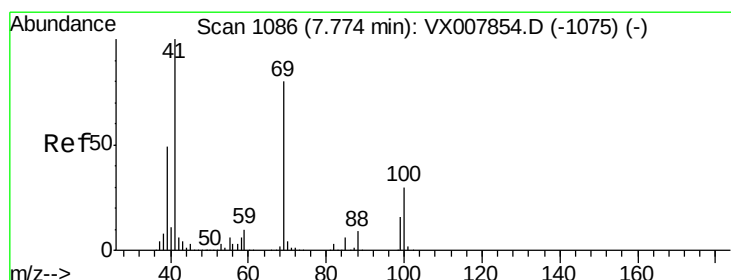
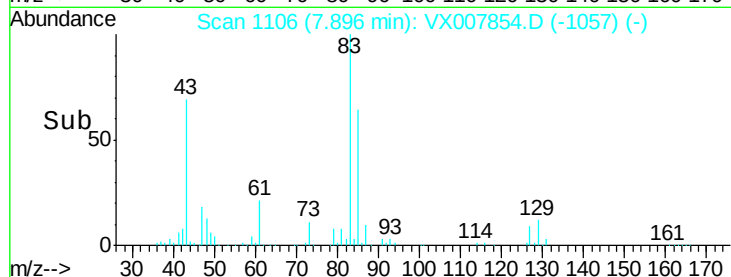
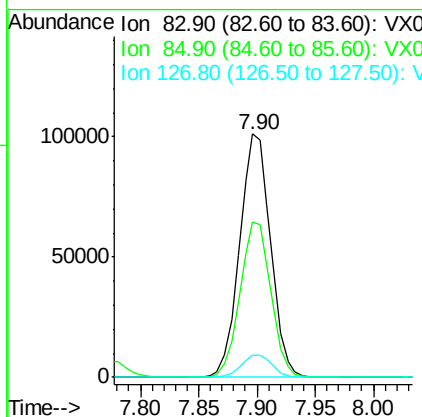
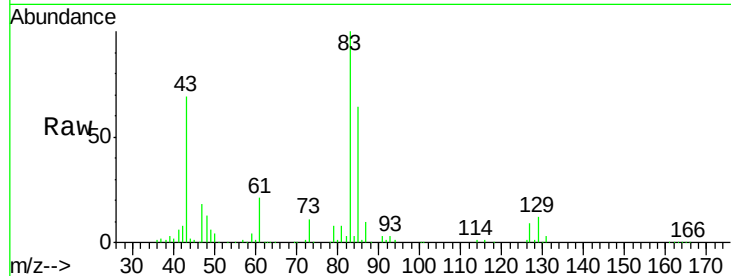
83 100

85 63.6 50.9 76.3

127 9.2 7.4 11.0

Manual Integrations
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MMDadoda
3/7/2019 10:34:56 AM



#48

Methyl methacrylate

Concen: 50.718 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

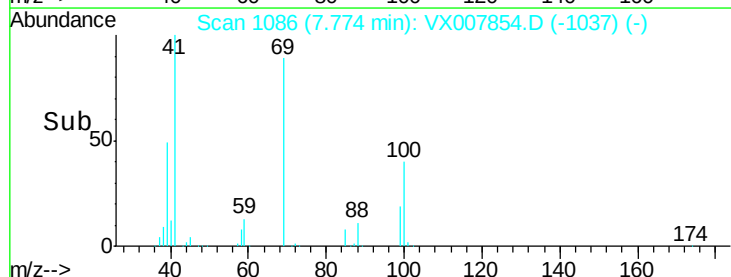
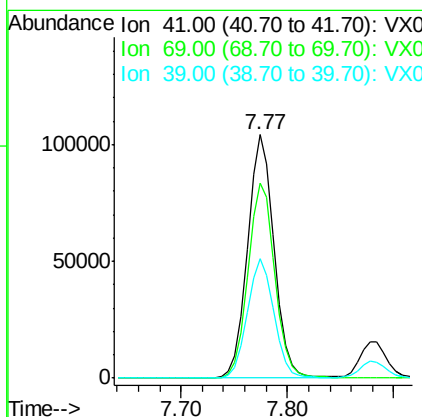
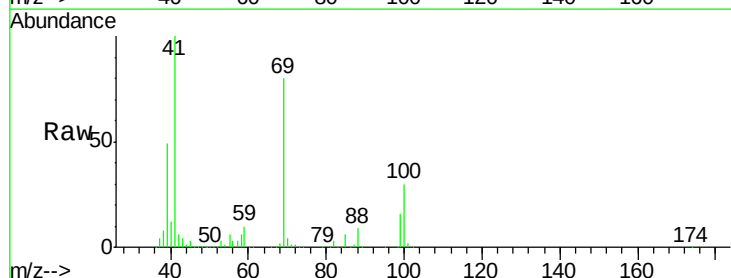
Tgt Ion: 41 Resp: 181813

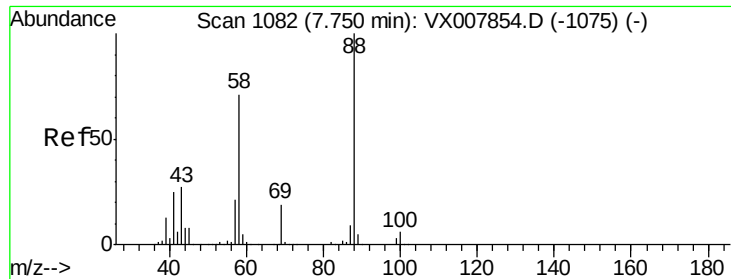
Ion Ratio Lower Upper

41 100

69 81.5 65.2 97.8

39 49.3 39.4 59.2





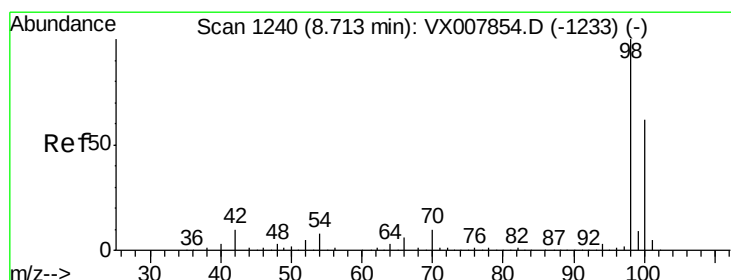
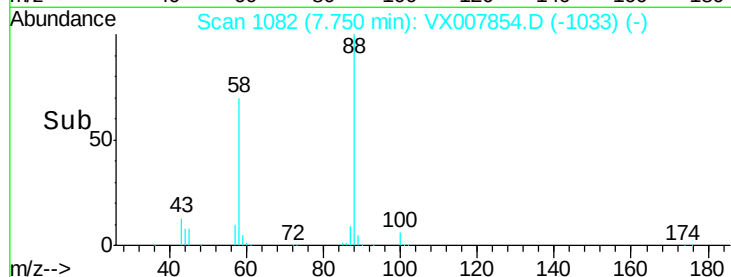
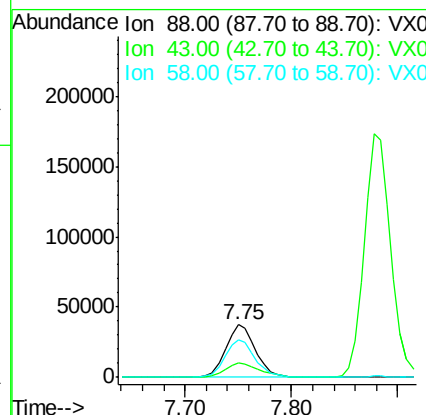
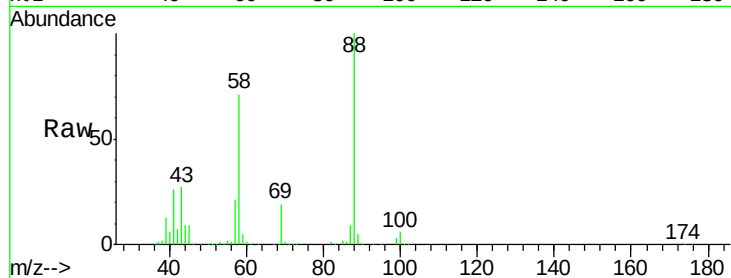
#49
1,4-Dioxane
Concen: 986.703 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.1	37.7
58	72.2	57.8	86.6

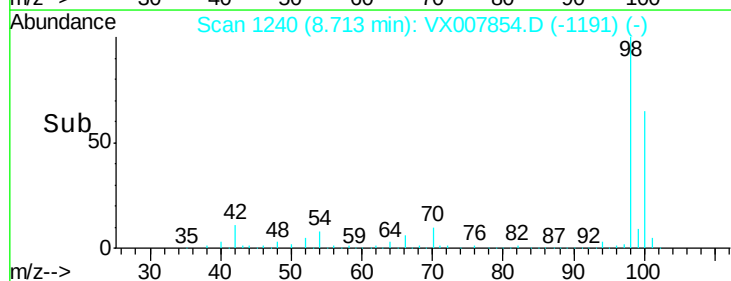
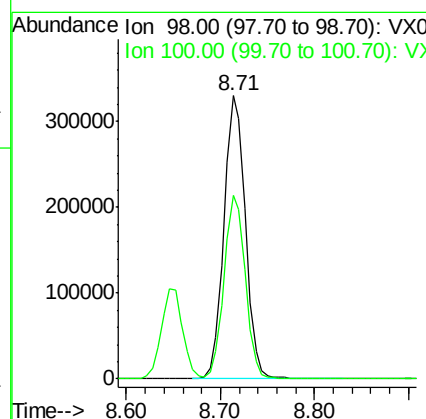
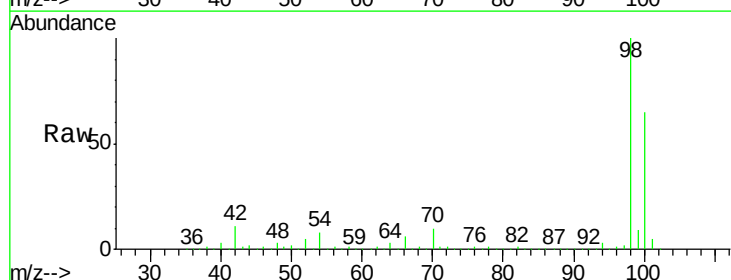
Manual Integrations
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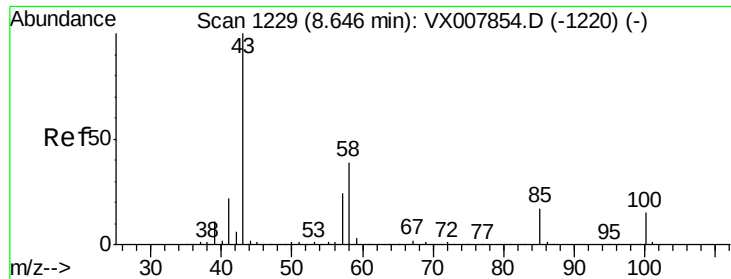
MMDadoda
3/7/2019 10:34:56 AM



#50
Toluene-d8
Concen: 51.745 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 251.270 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1101784

Ion Ratio Lower Upper

43 100

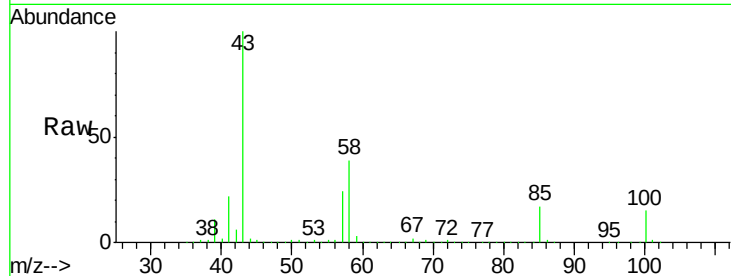
58 39.1 31.3 46.9

Manual Integrations

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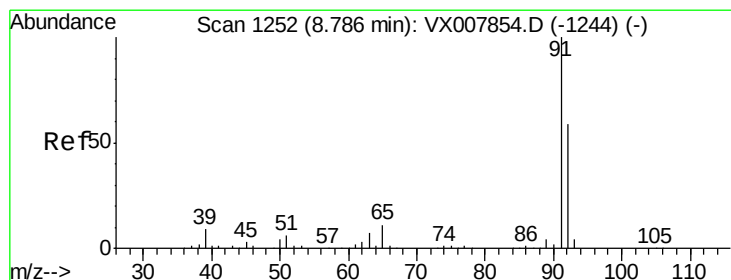
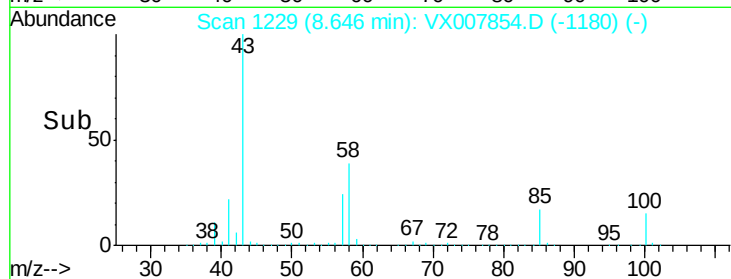
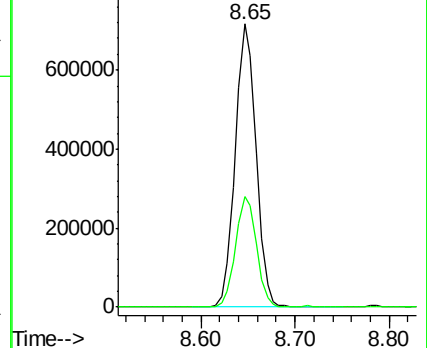
MMDadoda

3/7/2019 10:34:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.303 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007854.D

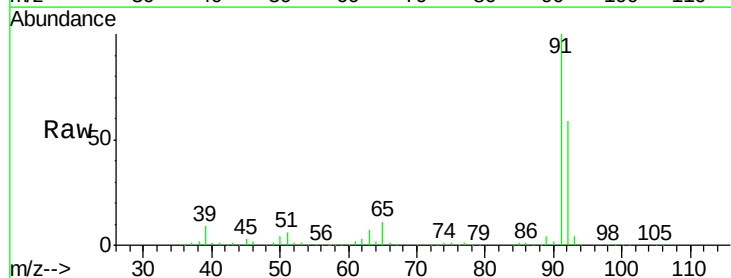
Acq: 06 Mar 2019 11:00

Tgt Ion: 92 Resp: 354950

Ion Ratio Lower Upper

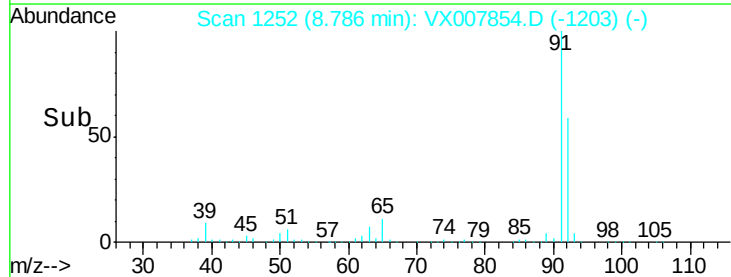
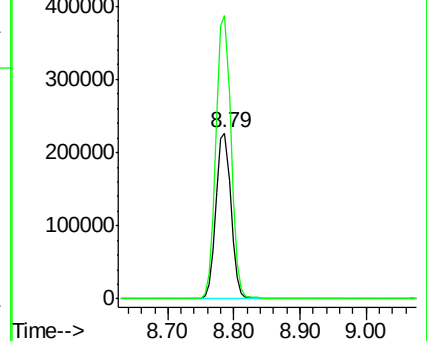
92 100

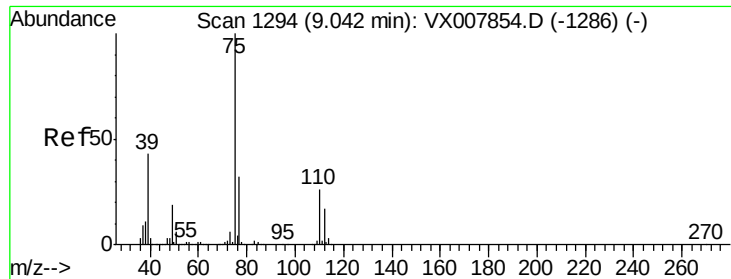
91 171.7 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 53.172 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 203273

Ion Ratio Lower Upper

75 100

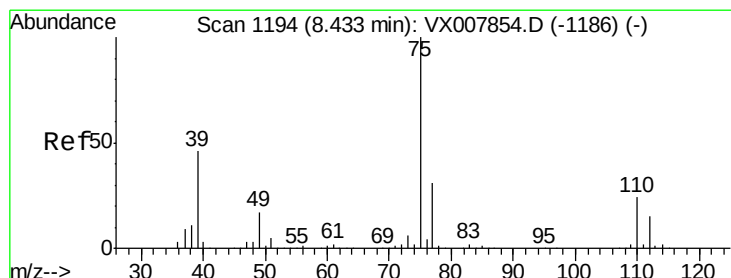
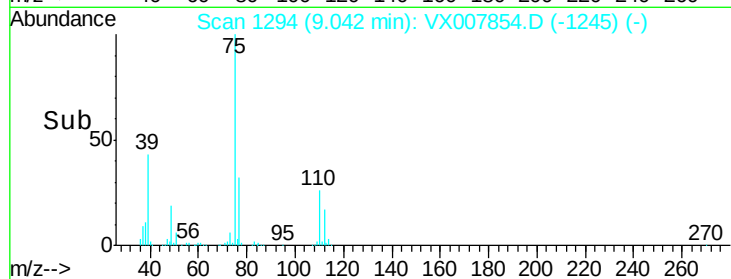
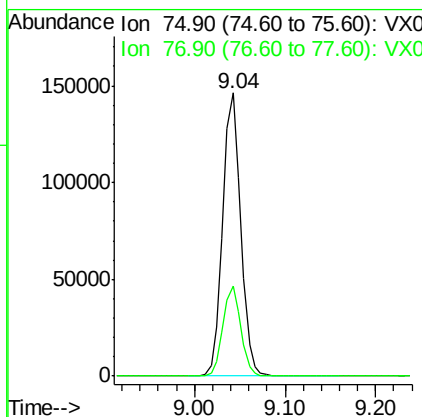
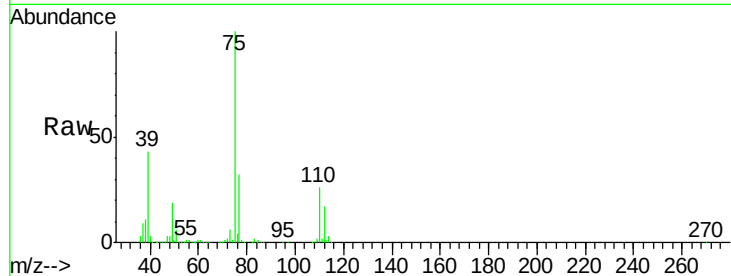
77 31.7 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.776 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

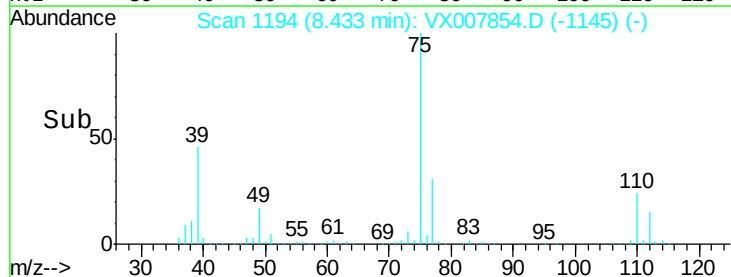
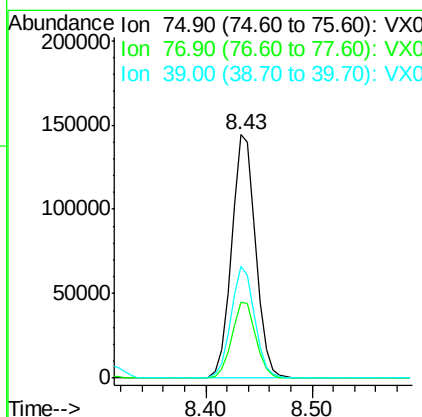
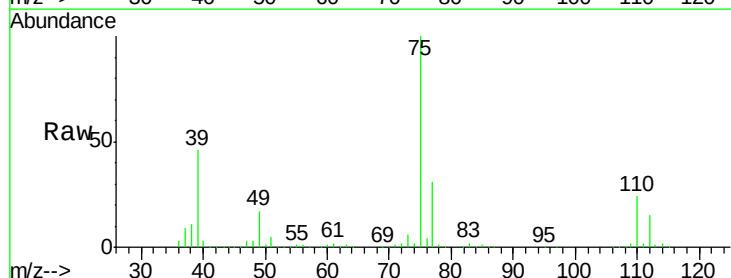
Tgt Ion: 75 Resp: 227835

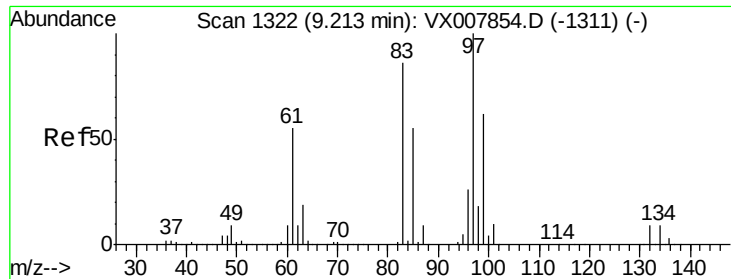
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 45.7 36.6 54.8





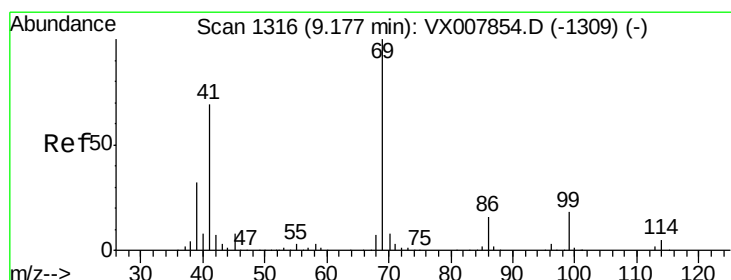
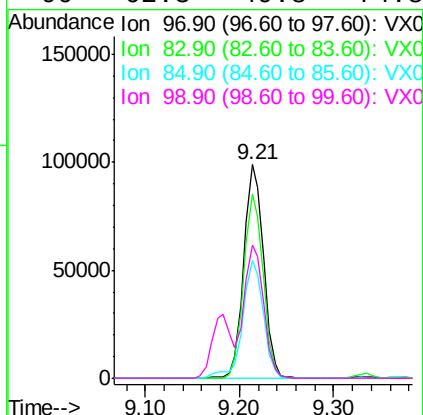
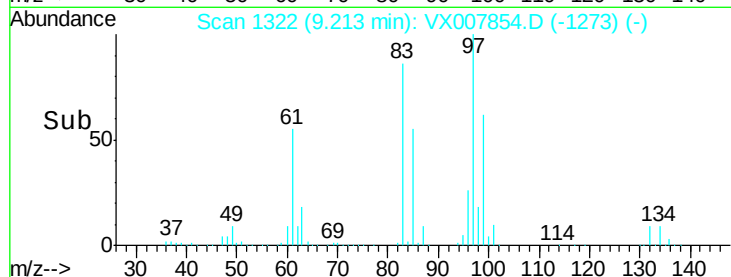
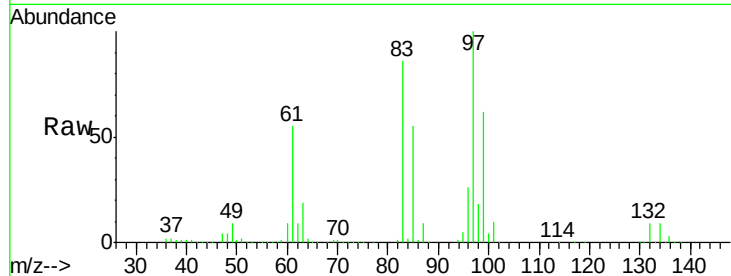
#55
 1,1,2-Trichloroethane
 Concen: 50.506 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion:	97	Resp:	144269
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.1	103.7
85	55.4	44.3	66.5
99	62.3	49.8	74.8

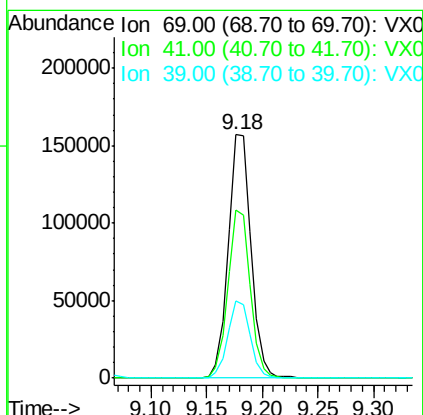
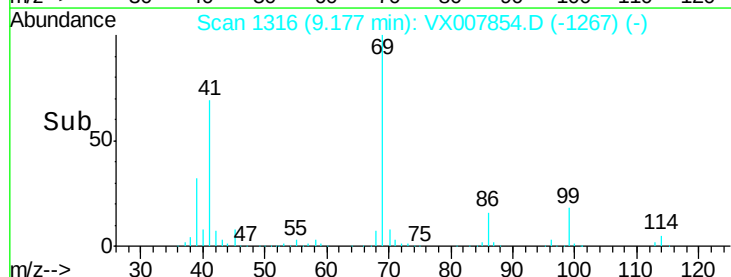
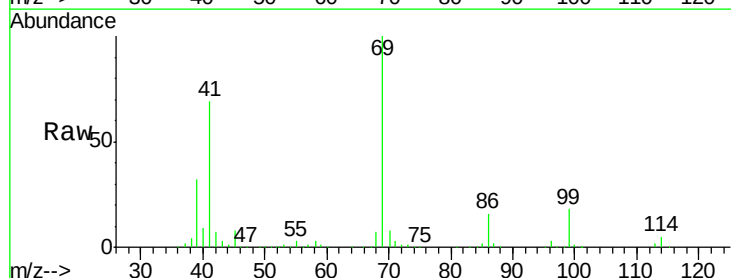
Manual Integrations
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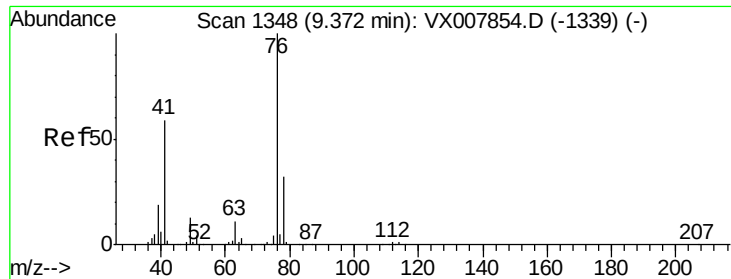
MMDadoda
 3/7/2019 10:34:56 AM



#56
 Ethyl methacrylate
 Concen: 51.955 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Tgt Ion:	69	Resp:	222824
Ion	Ratio	Lower	Upper
69	100		
41	67.8	54.2	81.4
39	31.2	25.0	37.4





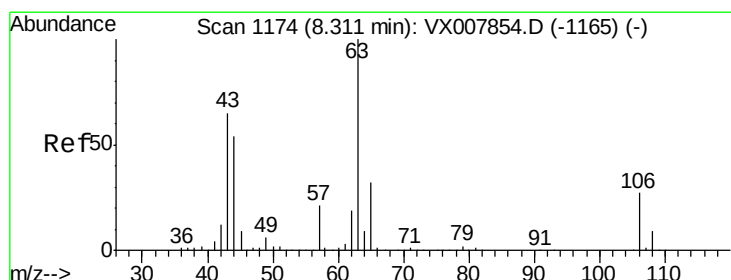
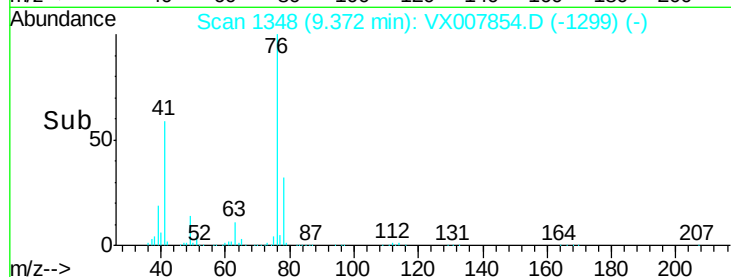
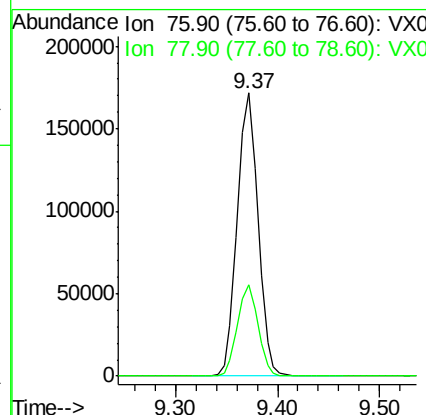
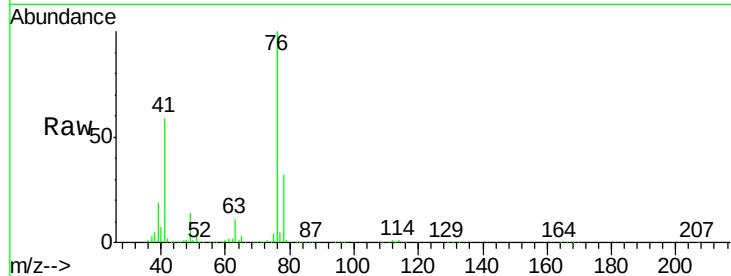
#57
 1,3-Dichloropropane
 Concen: 50.316 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

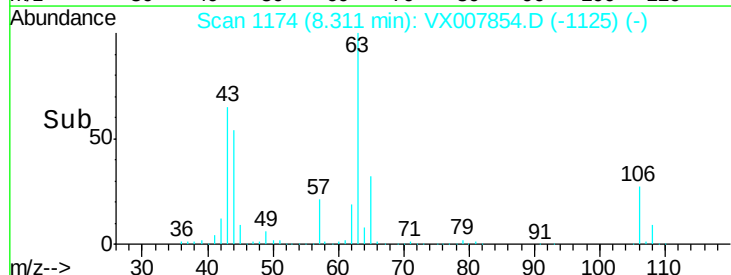
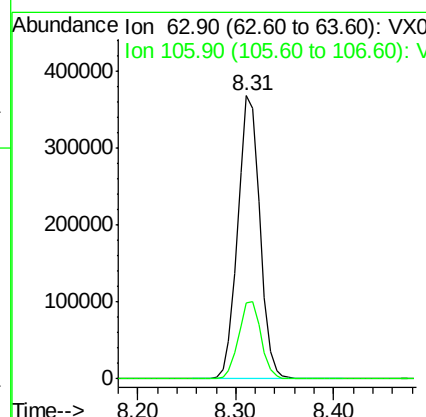
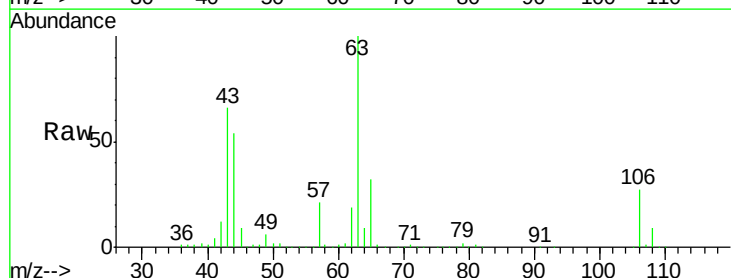
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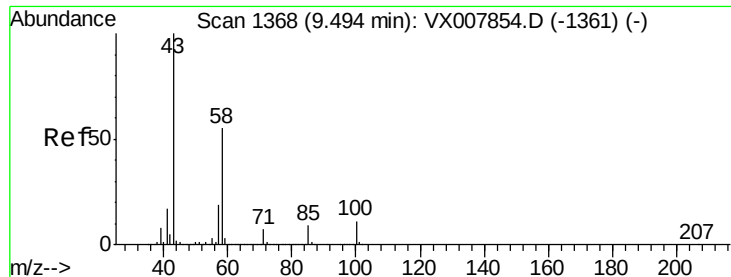
MMDadoda
 3/7/2019 10:34:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.579 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.2	33.2





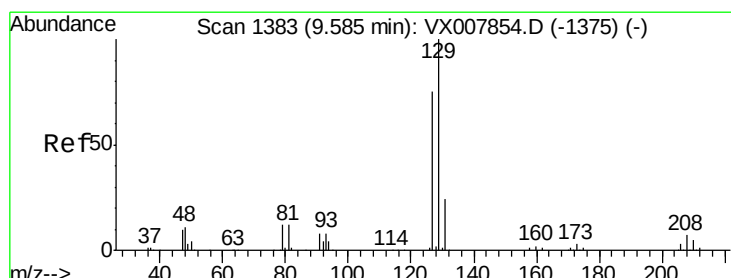
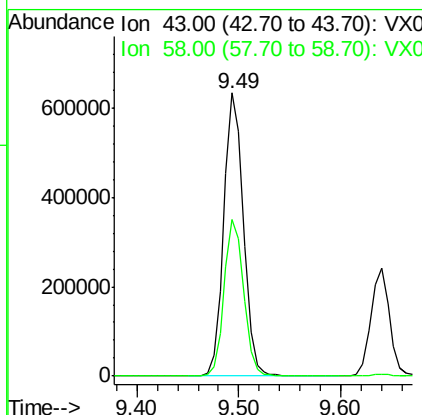
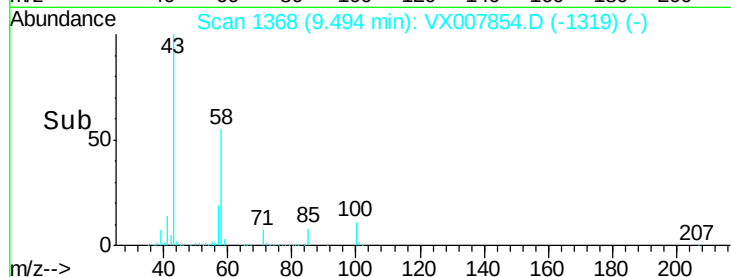
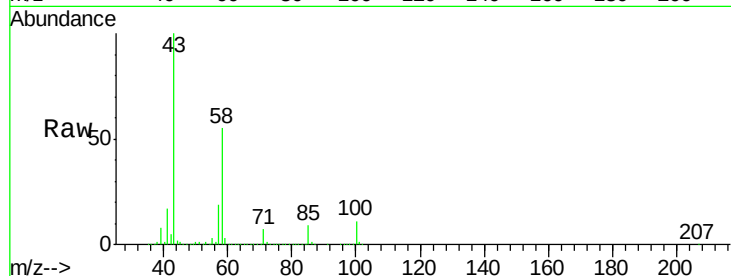
#59
2-Hexanone
Concen: 248.909 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 847363
Ion Ratio Lower Upper
43 100
58 55.1 27.6 82.7

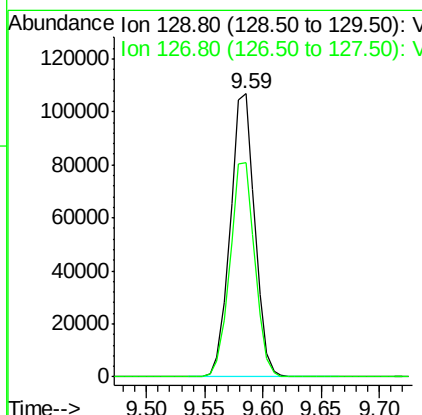
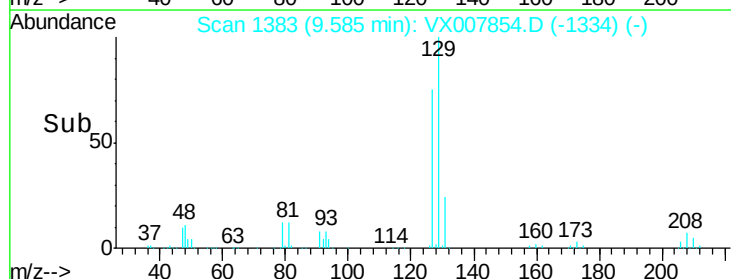
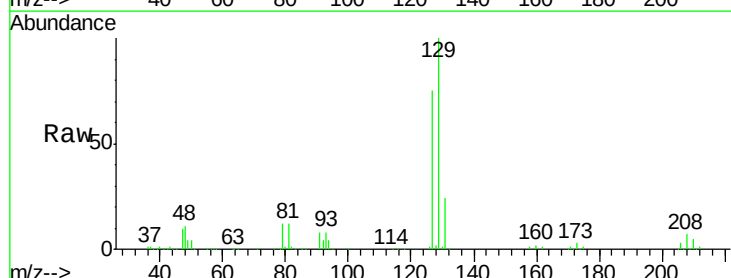
Manual Integrations
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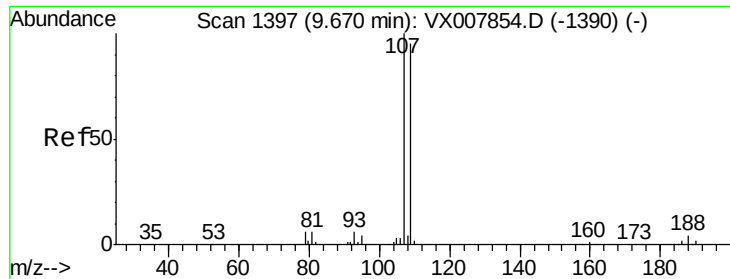
MMDadoda
3/7/2019 10:34:56 AM



#60
Dibromochloromethane
Concen: 52.431 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tgt Ion: 129 Resp: 156542
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.980 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 151577

Ion Ratio Lower Upper

107 100

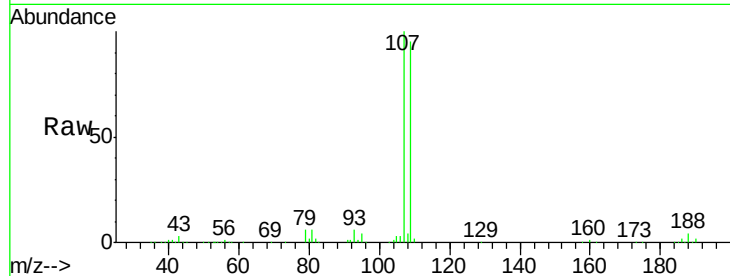
109 94.8 75.8 113.8

Manual Integrations

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3/7/2019 10:34:56 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

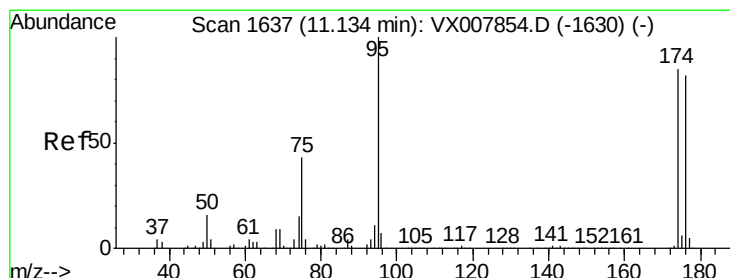
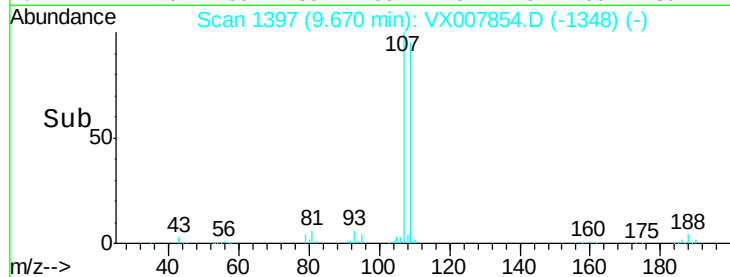
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.361 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

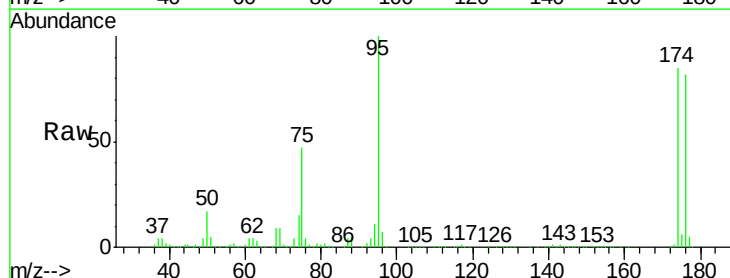
Tgt Ion: 95 Resp: 181374

Ion Ratio Lower Upper

95 100

174 91.4 0.0 182.8

176 89.0 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

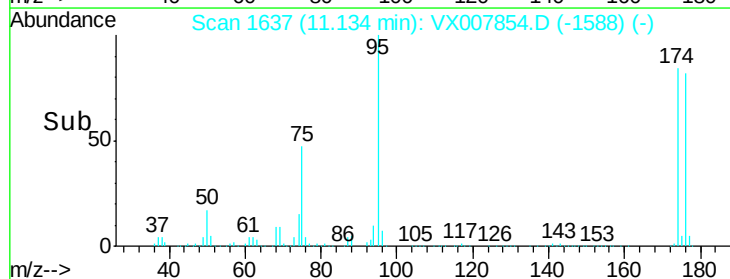
150000

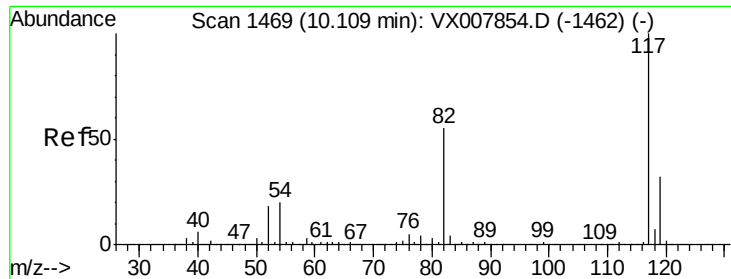
100000

50000

0

Time-->





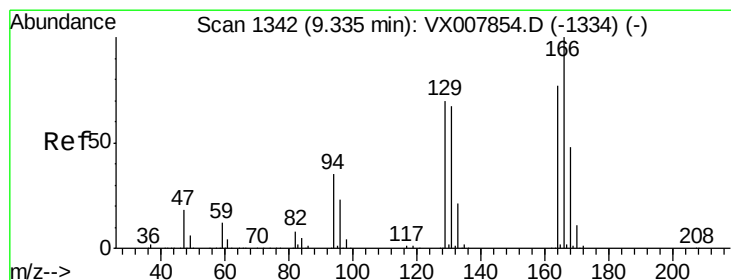
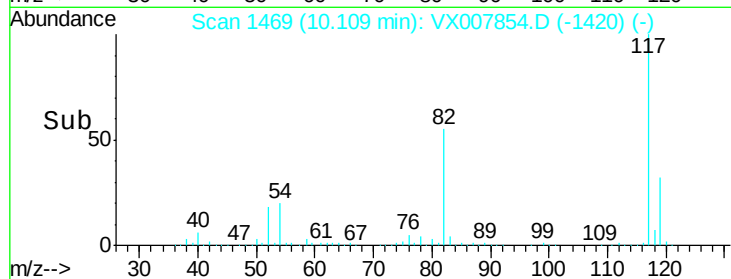
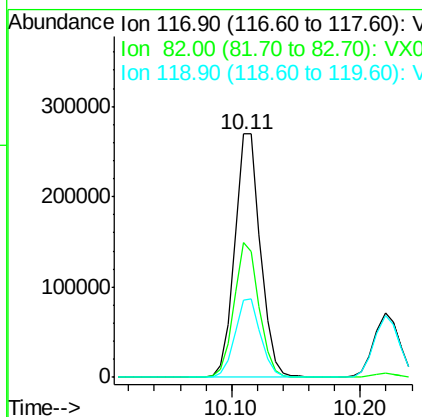
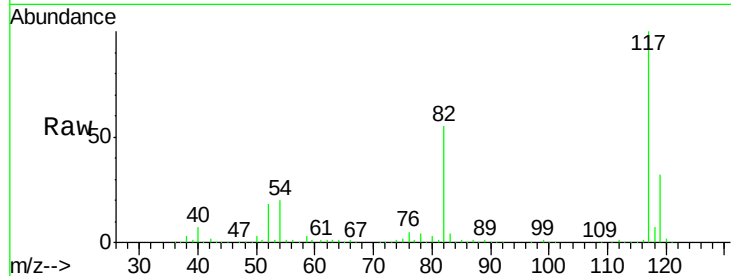
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	31.6	25.3	37.9

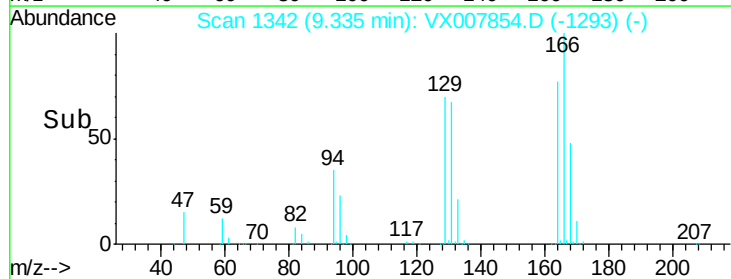
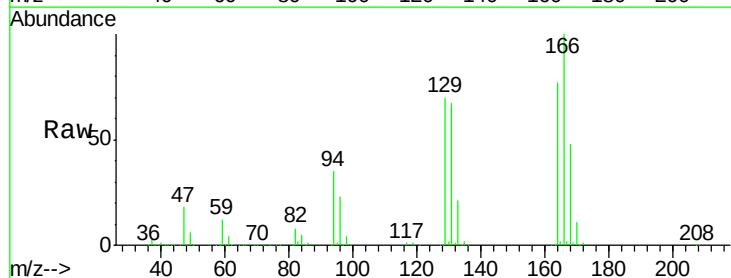
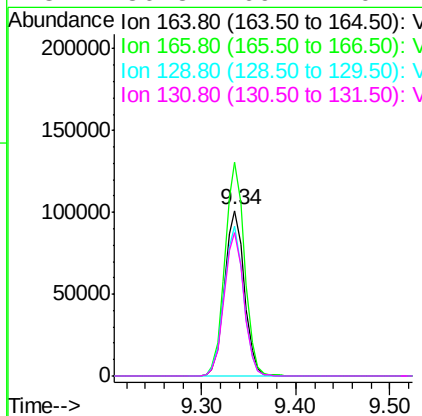
Manual Integrations
APPROVED

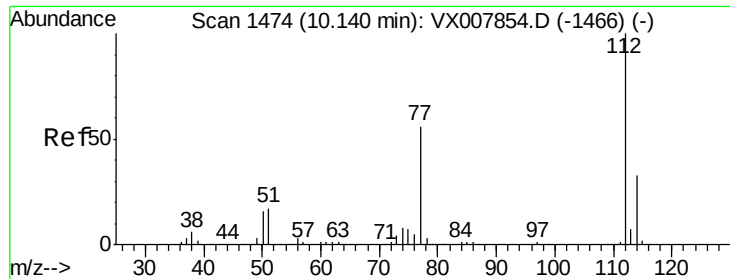
MMDadoda
3/7/2019 10:34:56 AM



#64
Tetrachloroethene
Concen: 47.487 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.4	155.0
129	90.3	72.2	108.4
131	86.8	69.4	104.2





#65

Chlorobenzene

Concen: 49.099 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion:112 Resp: 383951

Ion Ratio Lower Upper

112 100

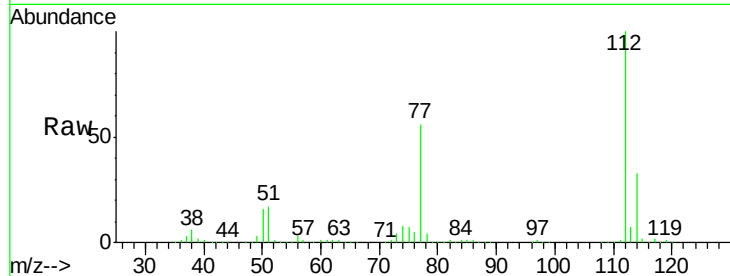
114 32.5 26.0 39.0

Manual Integrations

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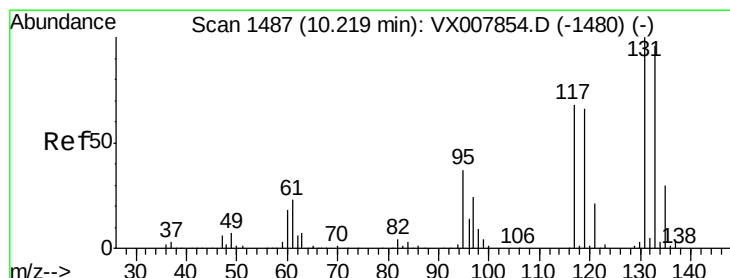
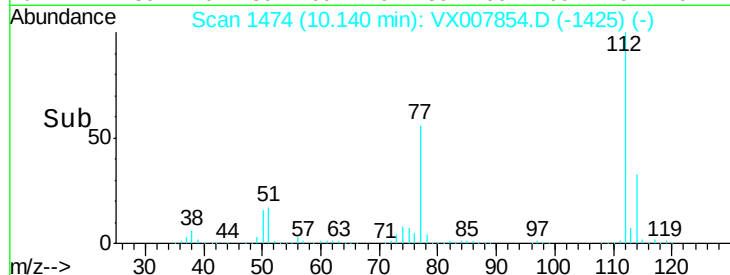
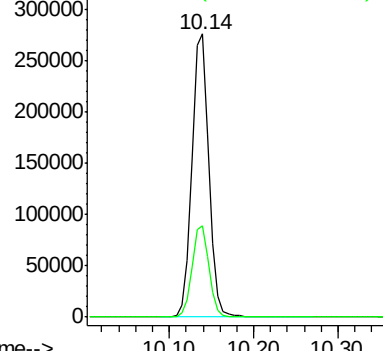
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.988 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

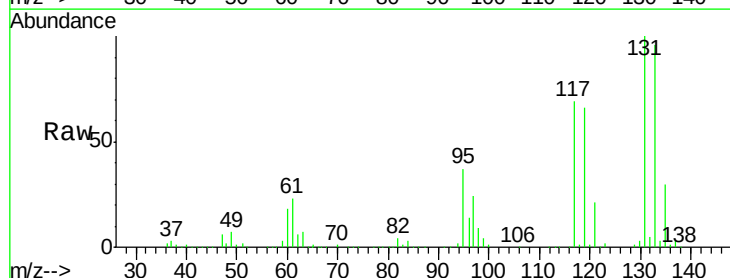
Tgt Ion:131 Resp: 142902

Ion Ratio Lower Upper

131 100

133 95.5 47.8 143.3

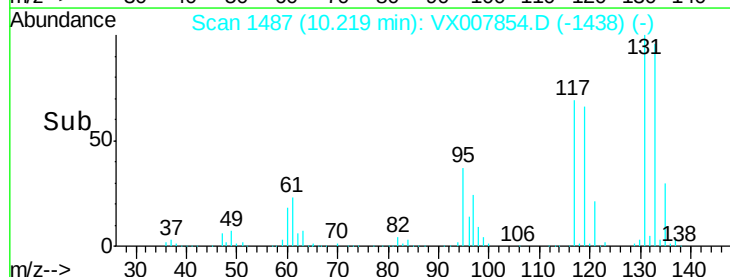
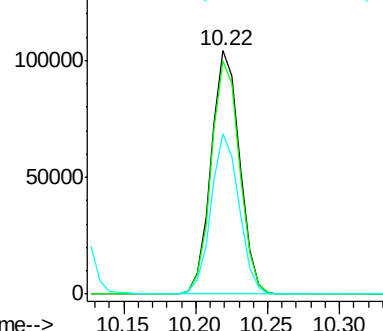
119 65.0 32.5 97.5

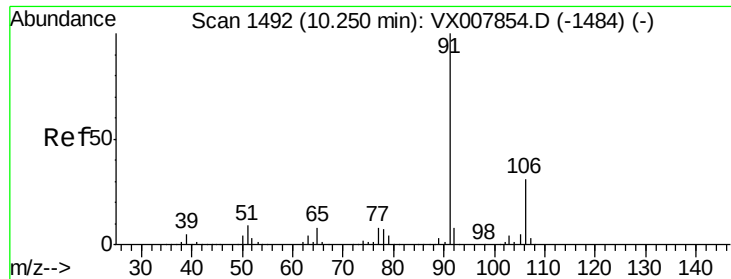


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.076 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 657469

Ion Ratio Lower Upper

91 100

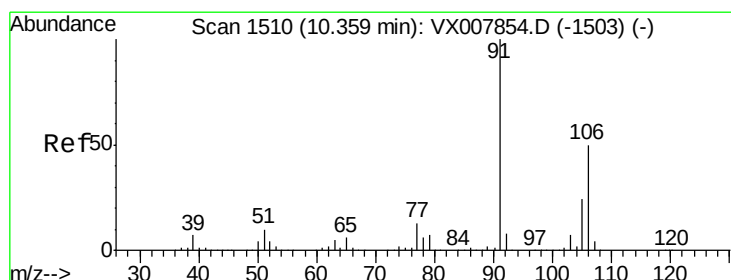
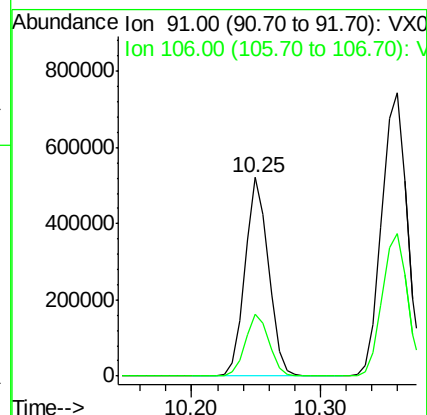
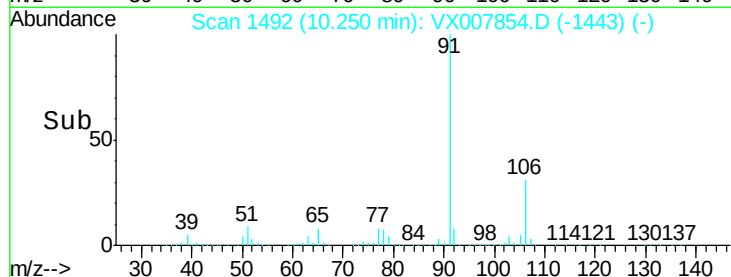
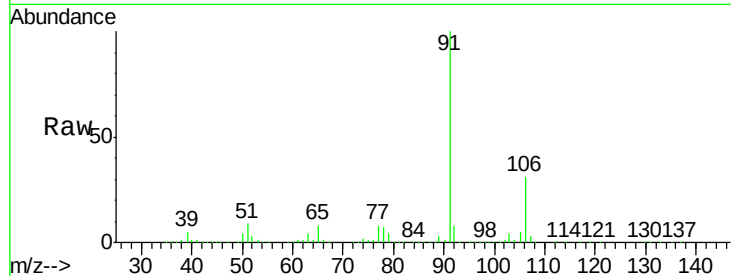
106 31.5 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.148 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007854.D

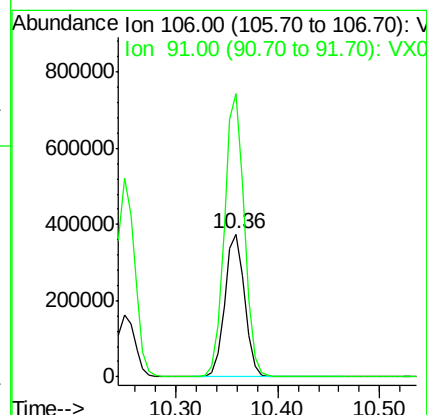
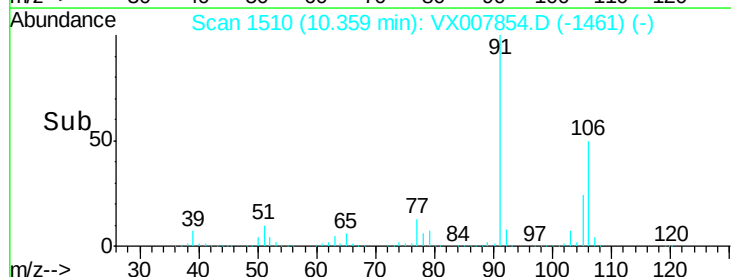
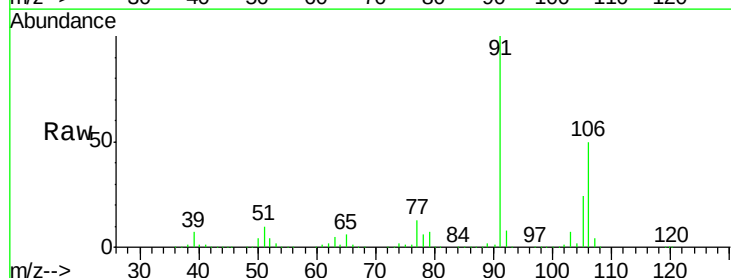
Acq: 06 Mar 2019 11:00

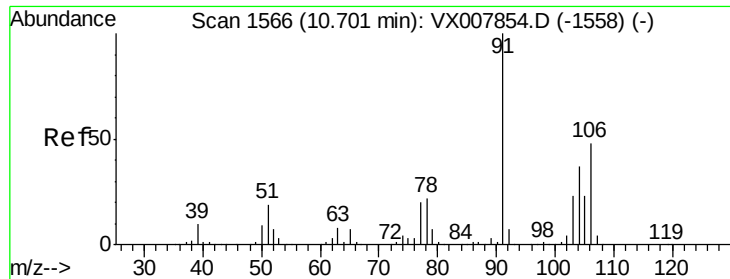
Tgt Ion: 106 Resp: 506822

Ion Ratio Lower Upper

106 100

91 199.7 159.8 239.6





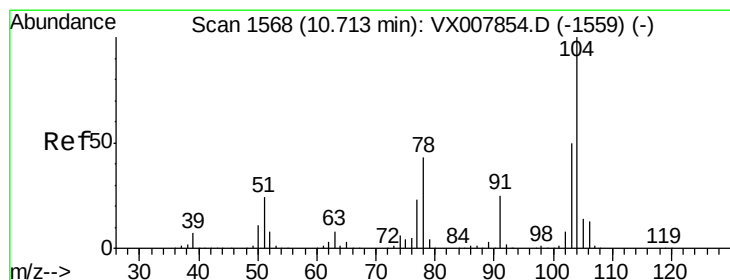
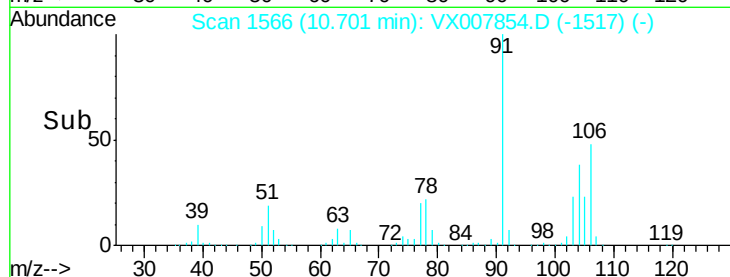
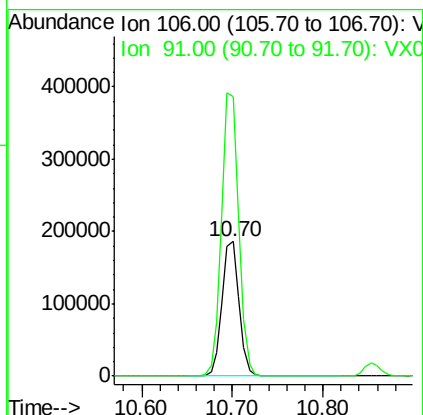
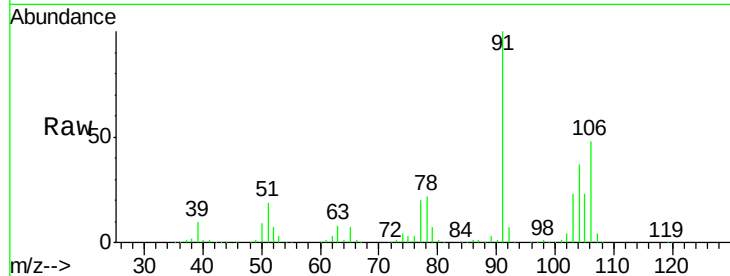
#69
o-Xylene
Concen: 51.038 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 244481
Ion Ratio Lower Upper
106 100
91 212.6 106.3 318.9

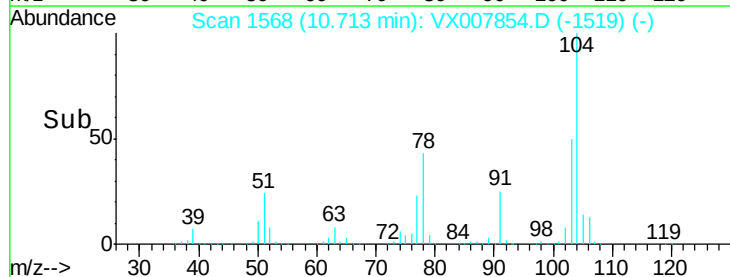
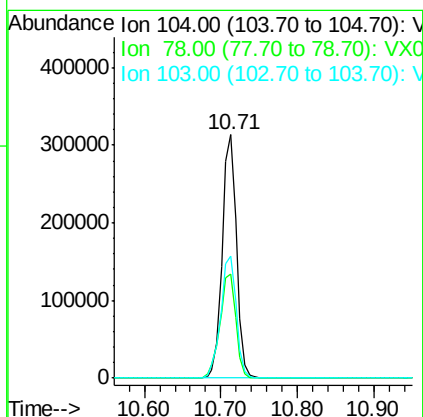
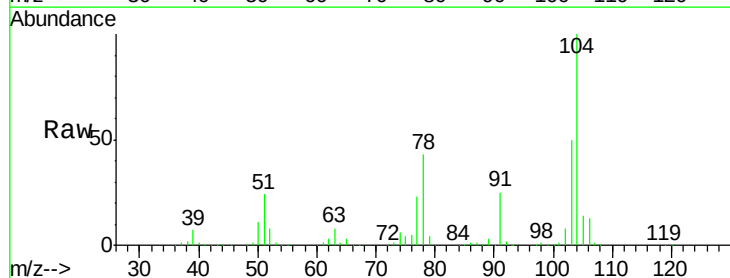
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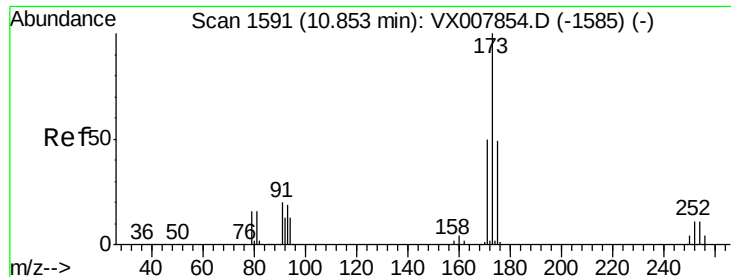
MMDadoda
3/7/2019 10:34:56 AM



#70
Styrene
Concen: 51.495 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tgt Ion:104 Resp: 403646
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.1 44.1 66.1





#71

Bromoform

Concen: 51.694 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 124419

Ion Ratio Lower Upper

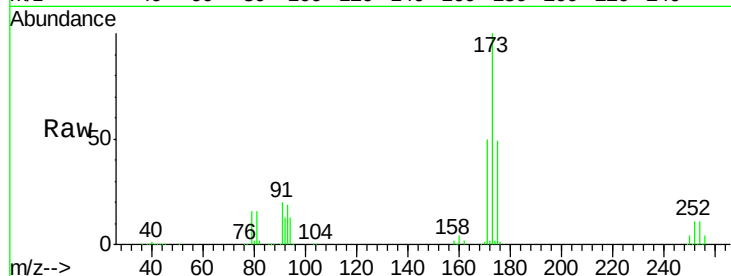
173 100

175 48.6 24.3 72.9

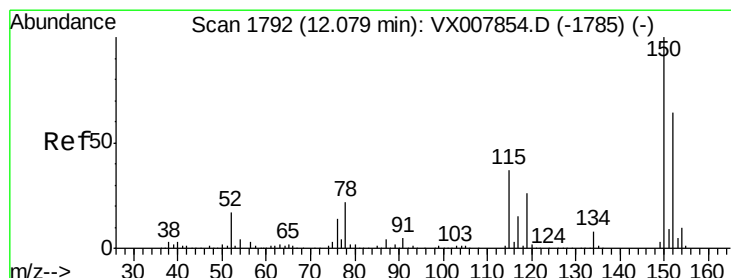
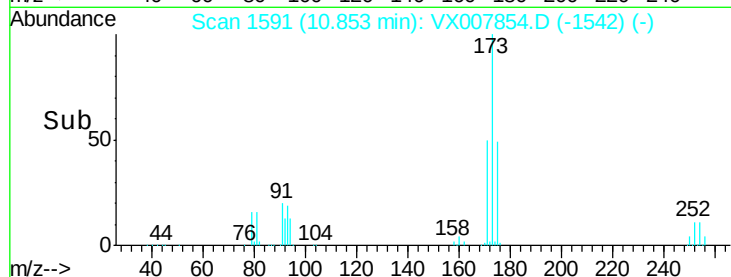
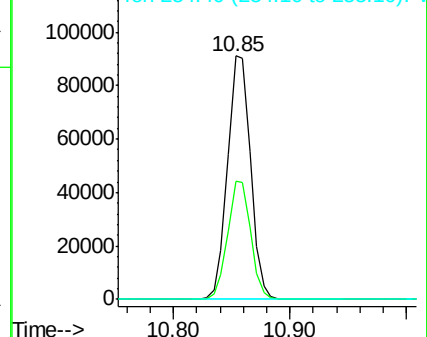
254 0.1 0.1 0.1

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

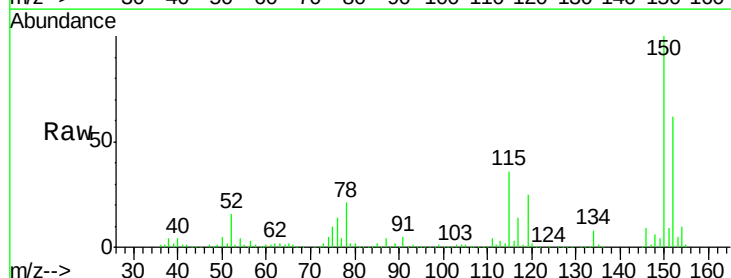
Tgt Ion:152 Resp: 187741

Ion Ratio Lower Upper

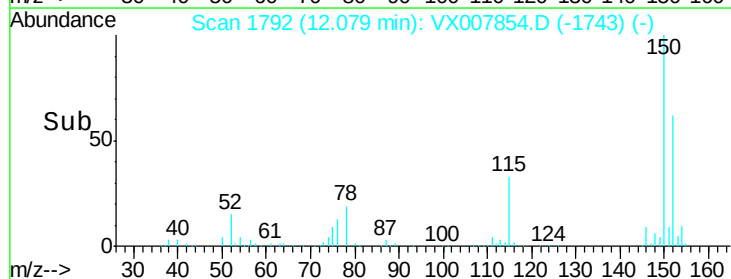
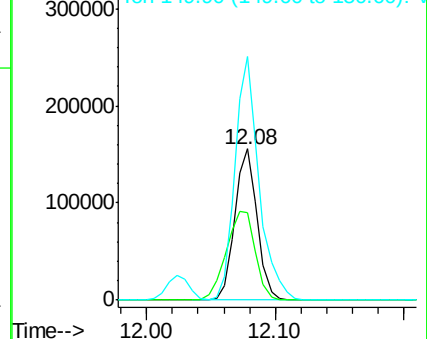
152 100

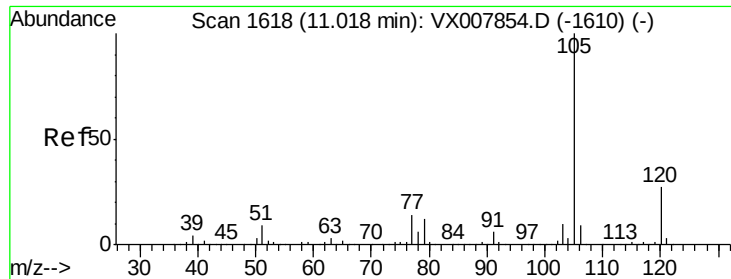
115 77.1 38.6 115.7

150 174.2 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.633 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 655589

Ion Ratio Lower Upper

105 100

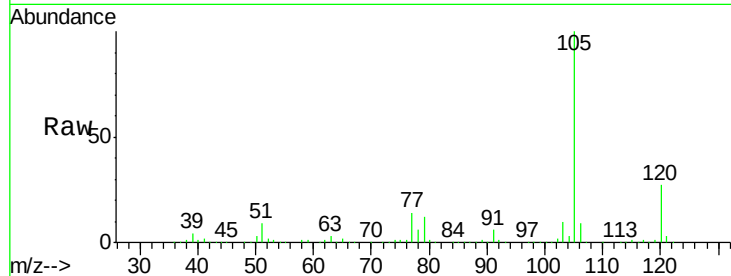
120 26.7 13.4 40.1

Manual Integrations

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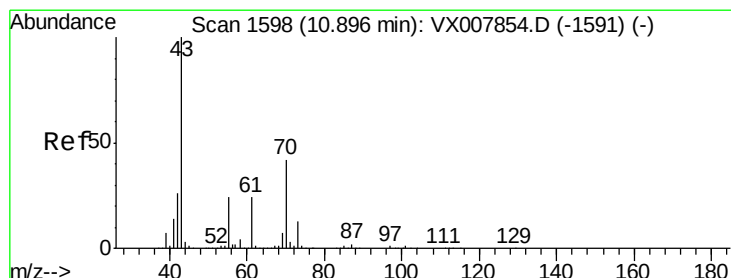
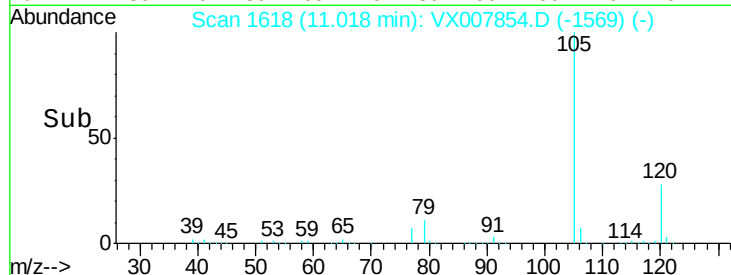
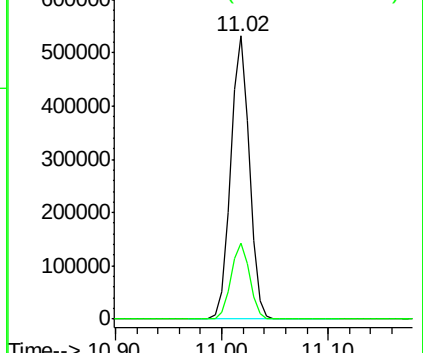
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.404 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Tgt Ion: 43 Resp: 297967

Ion Ratio Lower Upper

43 100

70 41.9 33.5 50.3

55 24.0 19.2 28.8

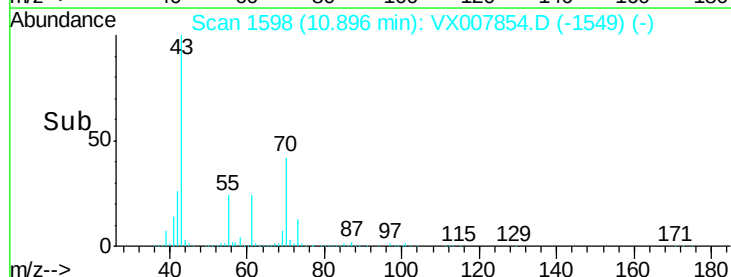
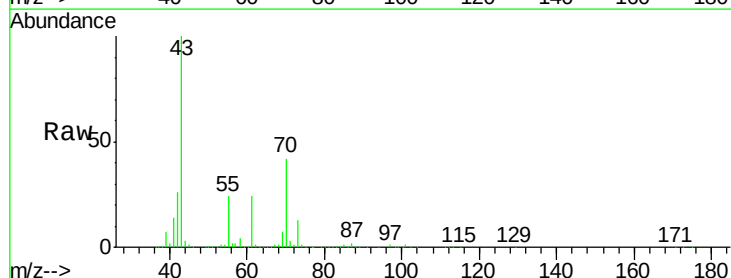
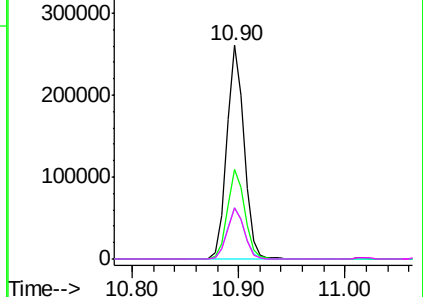
61 23.8 19.0 28.6

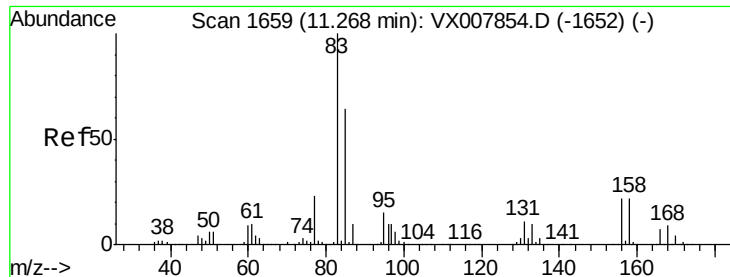
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.238 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

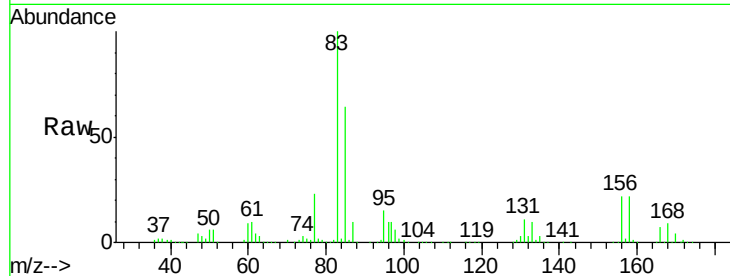
ClientSampled :

VSTDICCC050

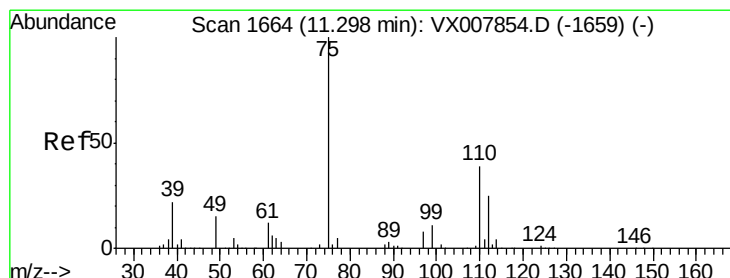
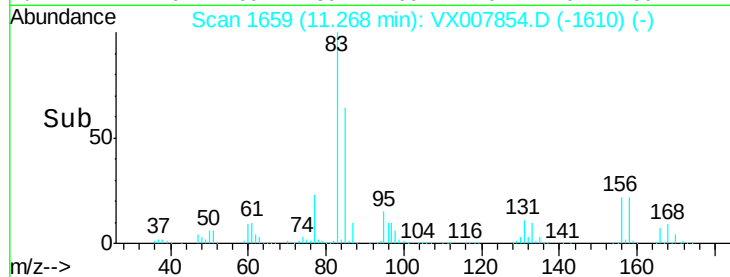
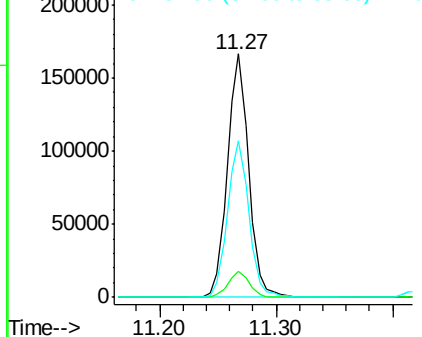
Tot Ion:	83	Resp:	211270
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.5	32.3	96.8

Manual Integrations
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3/7/2019 10:34:56 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 43.530 ug/l m

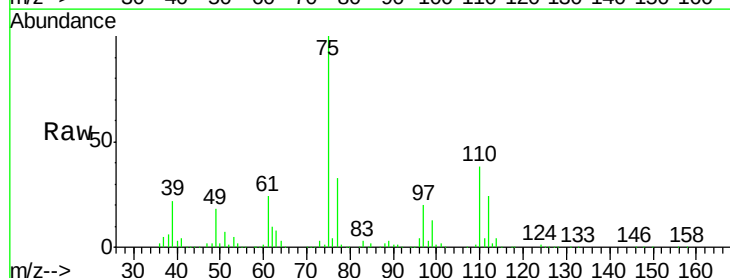
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

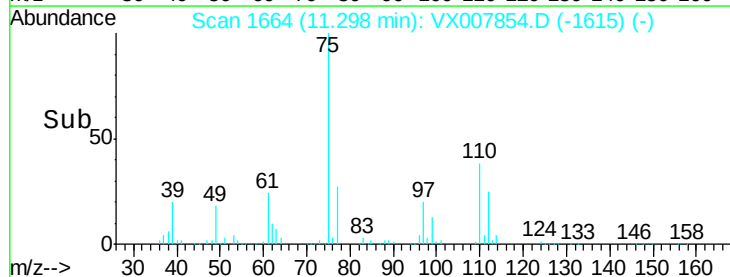
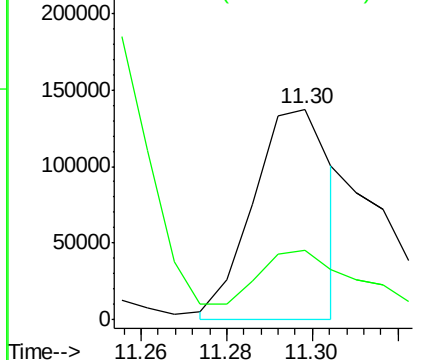
Lab File: VX007854.D

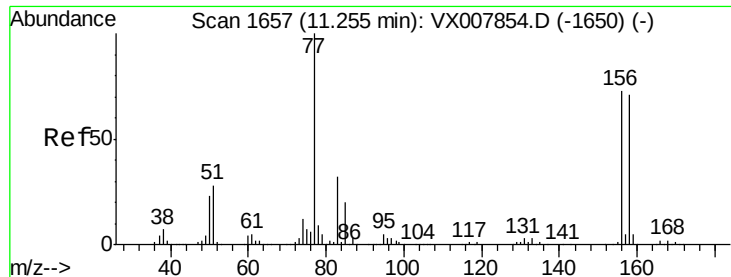
Acq: 06 Mar 2019 11:00

Tgt Ion:	75	Resp:	172915
Ion	Ratio	Lower	Upper
75	100		
77	44.9	18.9	56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.334 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

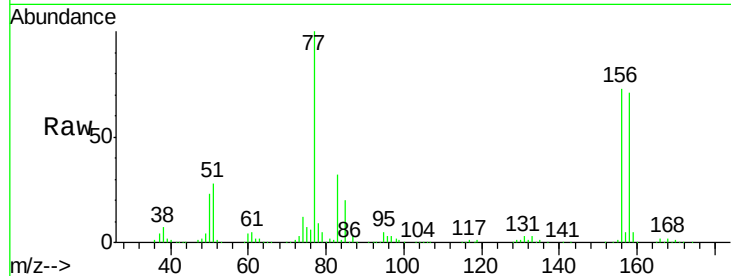
ClientSampled :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		171740		
77	143.9	72.0	215.9		
158	97.3	48.6	145.9		

Manual Integrations
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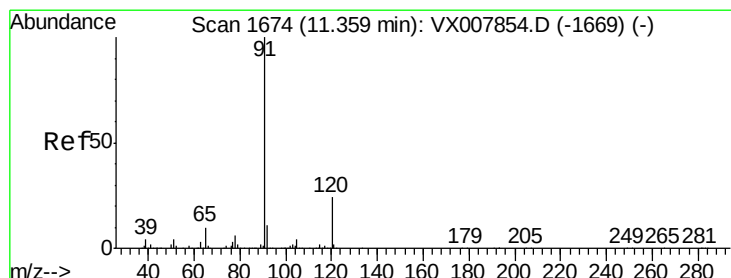
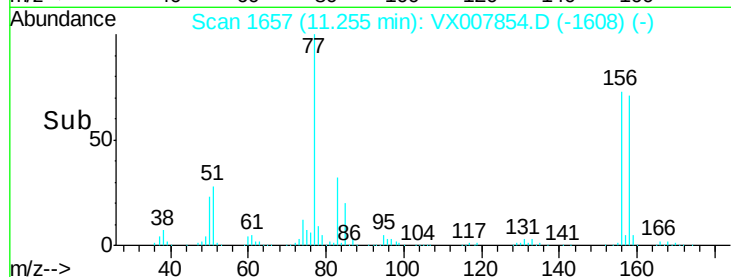
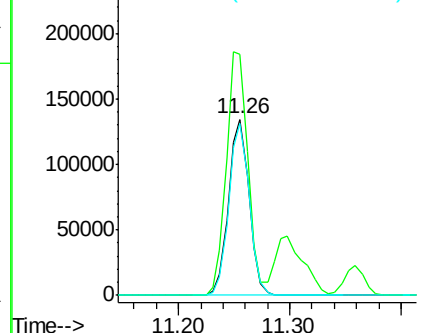
MMDadoda
3/7/2019 10:34:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.944 ug/l

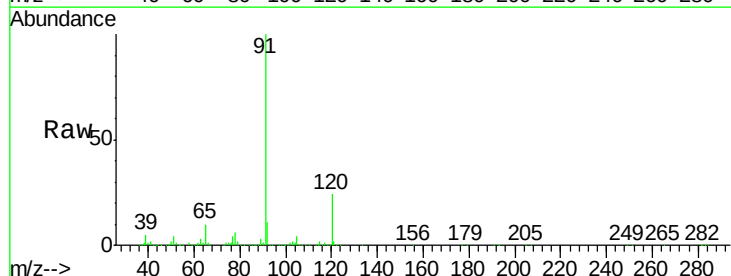
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007854.D

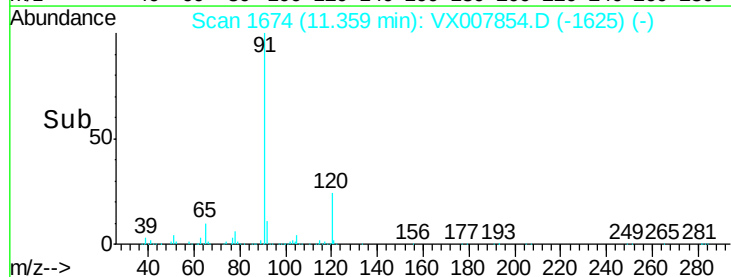
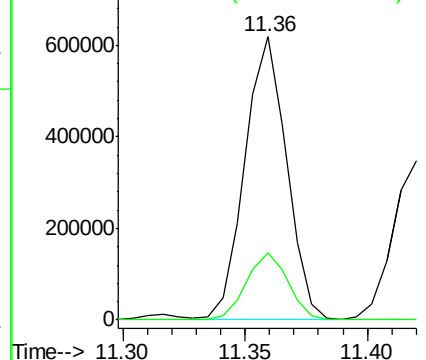
Acq: 06 Mar 2019 11:00

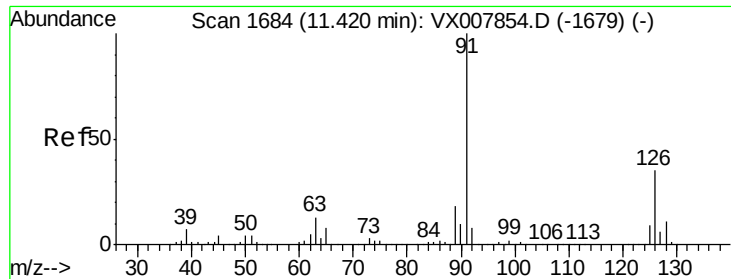
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		731682		
120	24.0	12.0	36.0		



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.016 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 430770

Ion Ratio Lower Upper

91 100

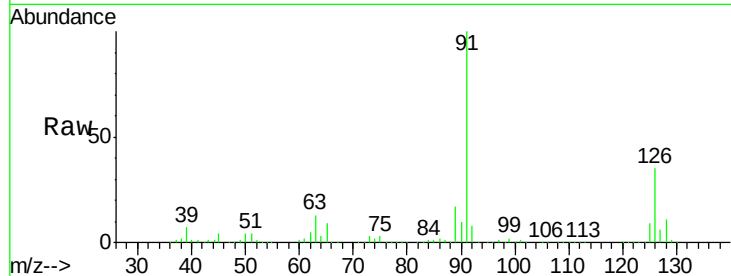
126 35.1 17.5 52.6

Manual Integrations

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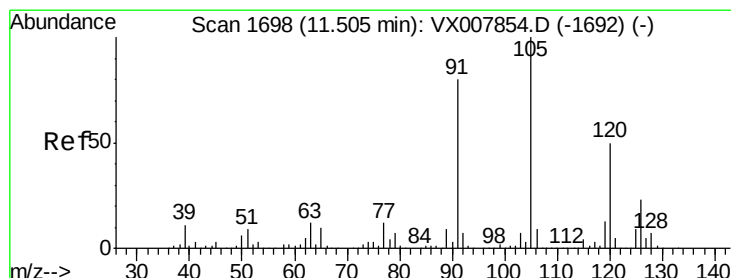
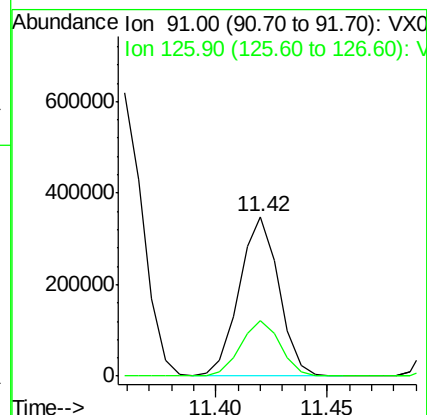
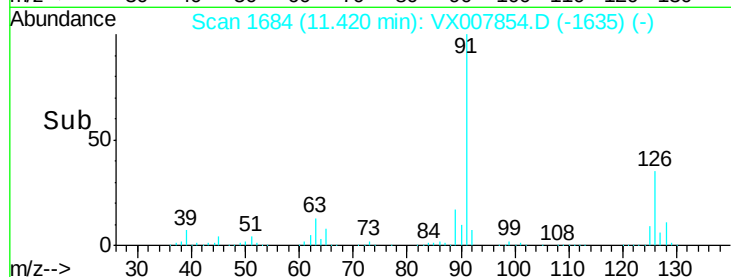
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX007854.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007854.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.494 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007854.D

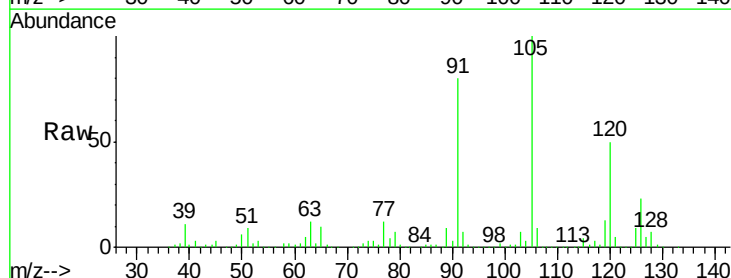
Acq: 06 Mar 2019 11:00

Tgt Ion: 105 Resp: 538136

Ion Ratio Lower Upper

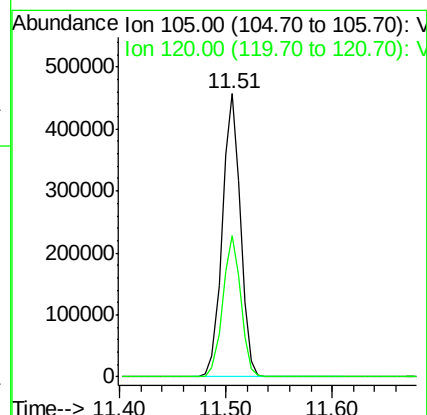
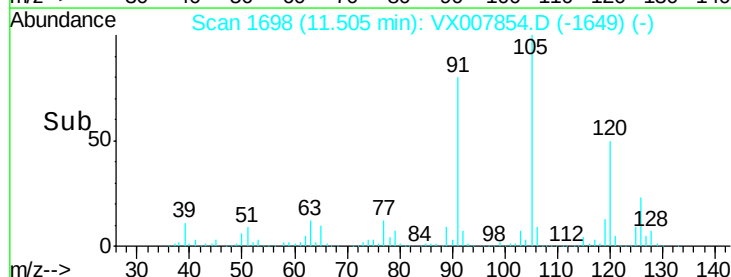
105 100

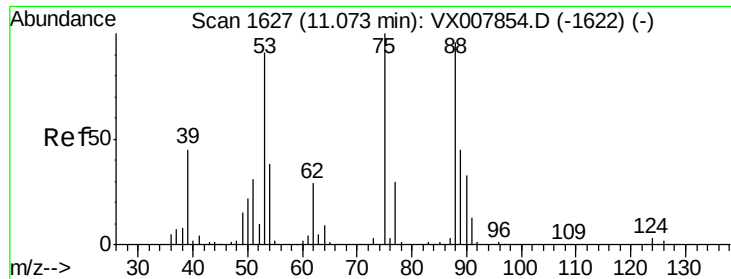
120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX007854.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007854.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.346 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 75 Resp: 65747

Ion Ratio Lower Upper

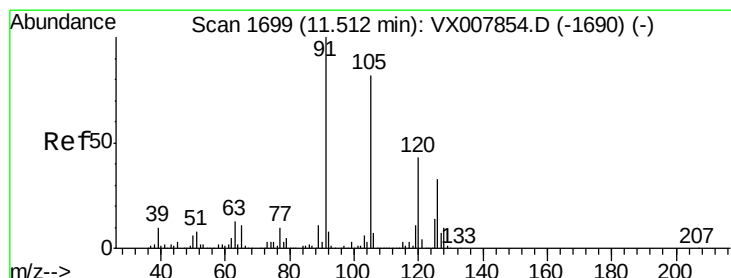
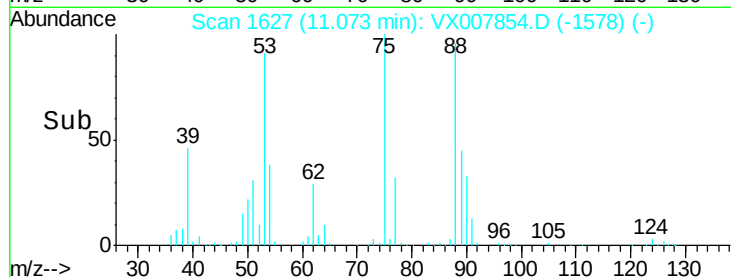
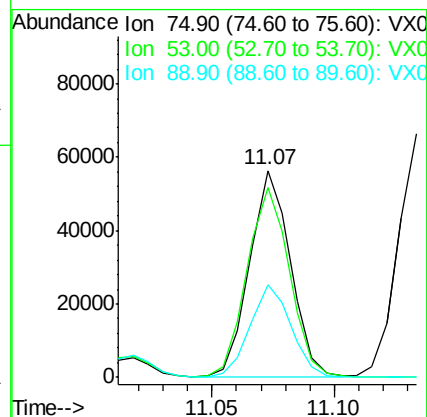
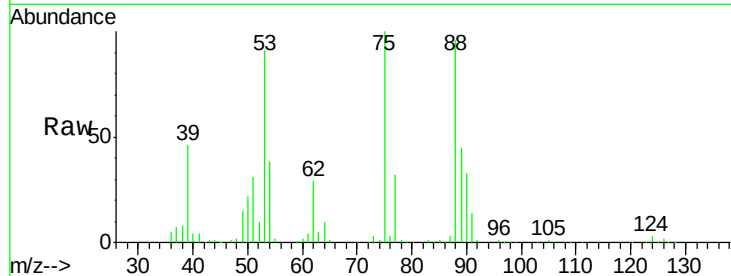
75 100

53 95.1 76.1 114.1

89 45.4 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.540 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007854.D

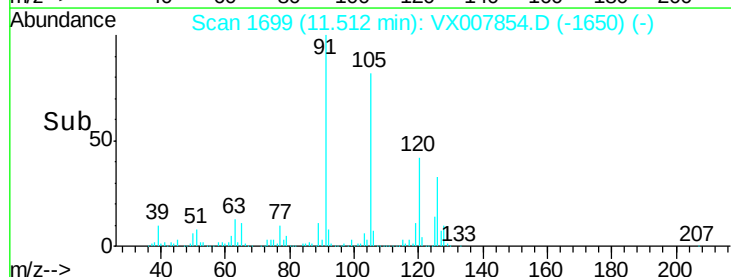
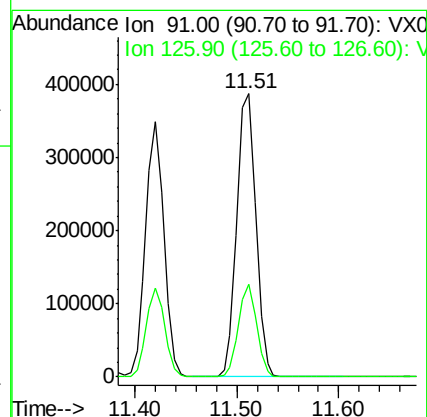
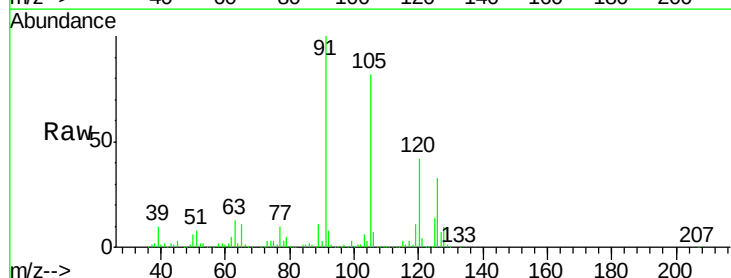
Acq: 06 Mar 2019 11:00

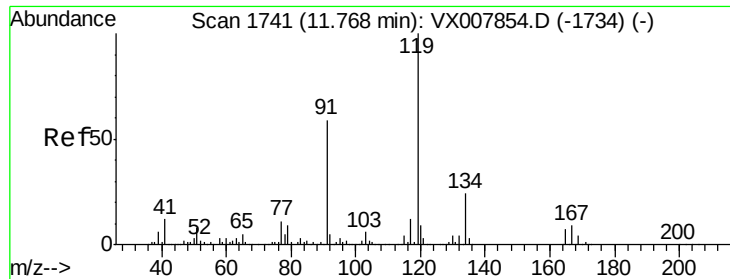
Tgt Ion: 91 Resp: 498824

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8





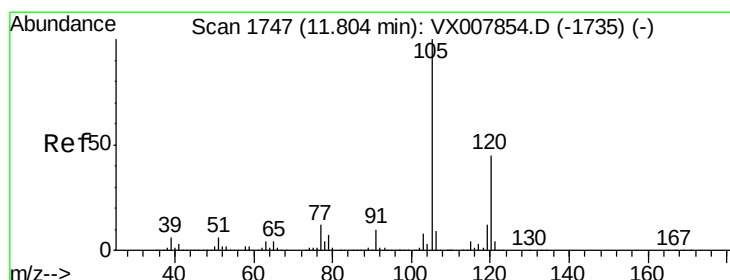
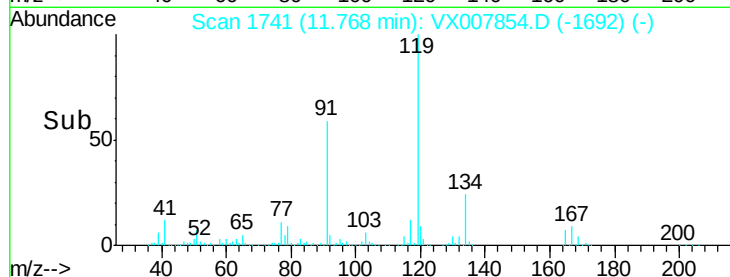
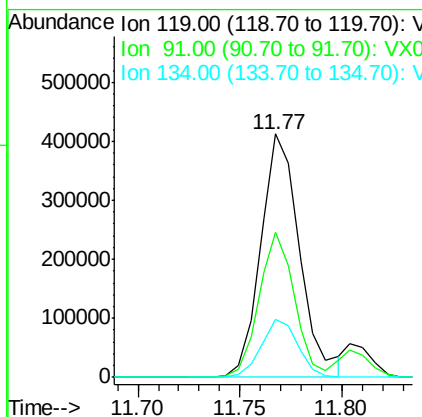
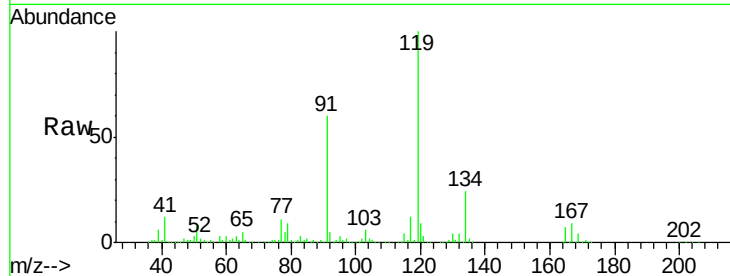
#83
 tert-Butylbenzene
 Concen: 52.045 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	547859		
91	54.2		27.1	81.3
134	22.7		11.4	34.1

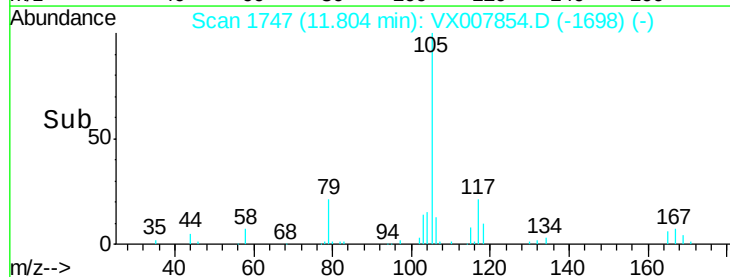
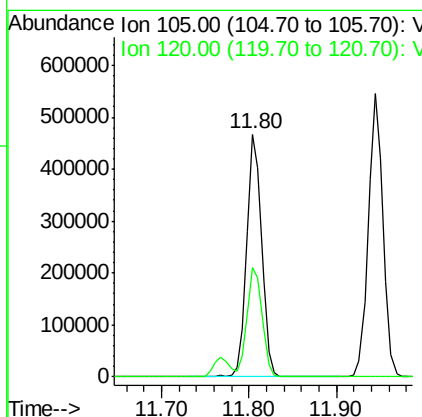
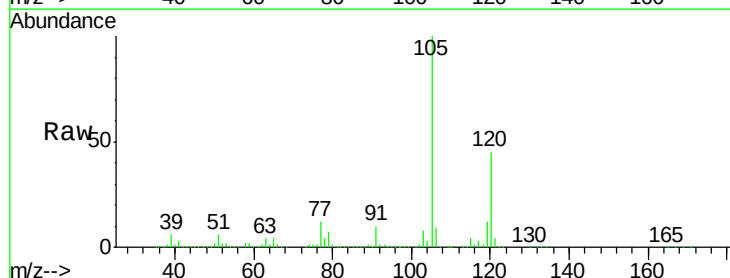
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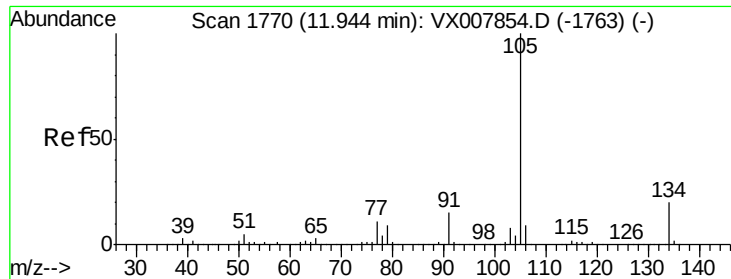
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.626 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	553074		
120	45.1		22.6	67.7





#85

sec-Butylbenzene

Concen: 51.927 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 643791

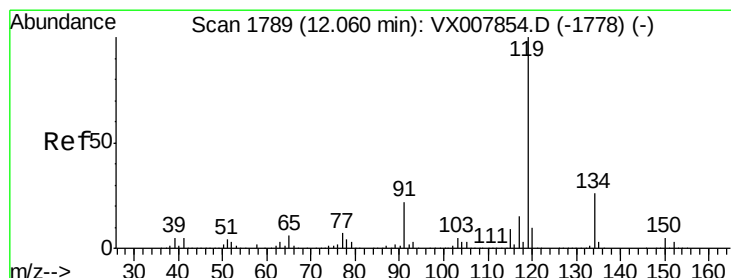
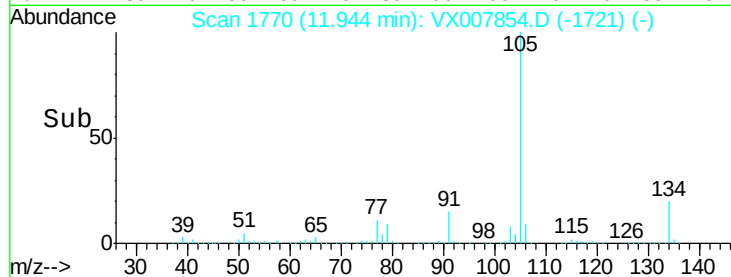
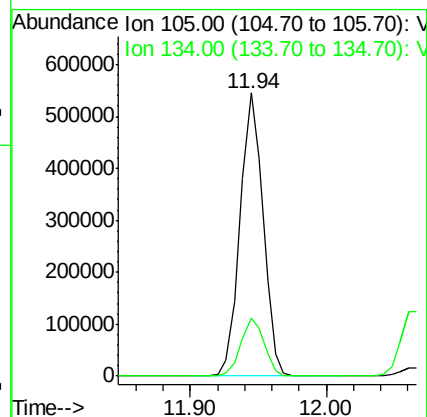
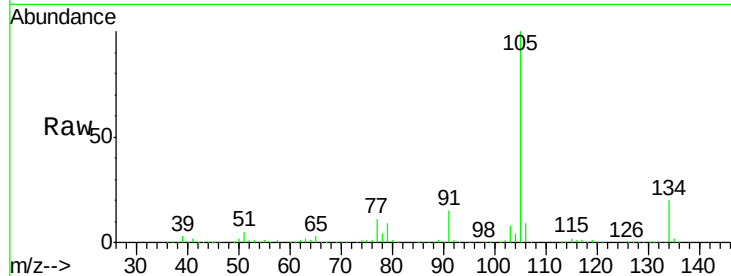
Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 52.383 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

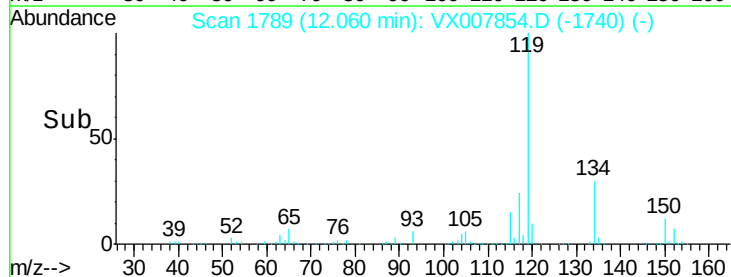
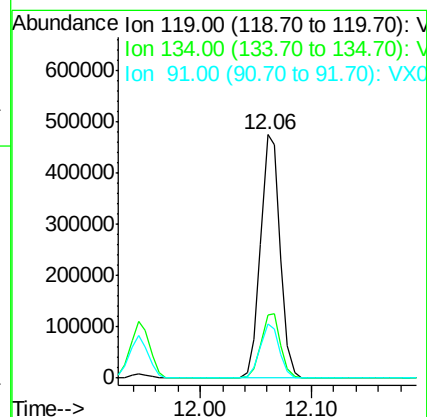
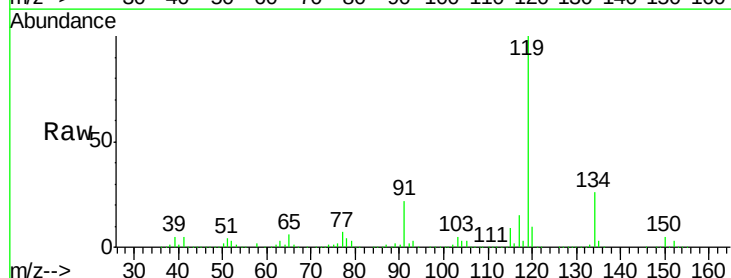
Tgt Ion:119 Resp: 581616

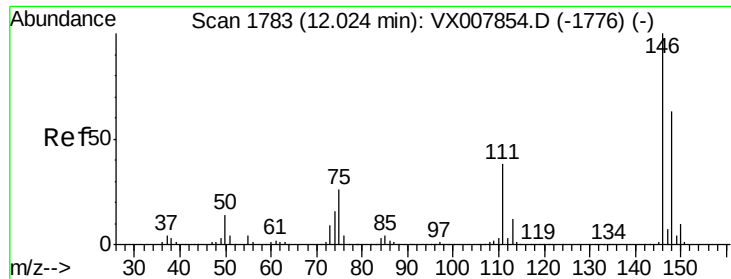
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 21.8 10.9 32.7





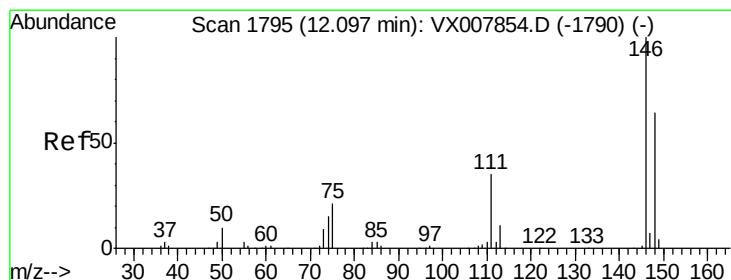
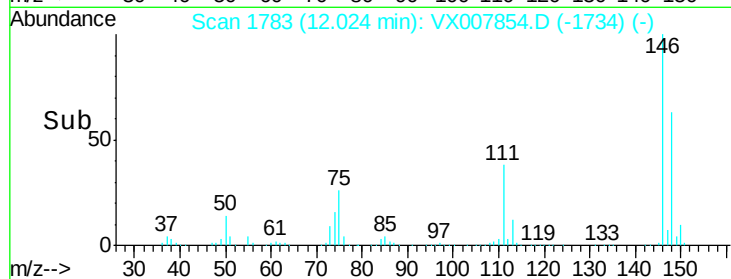
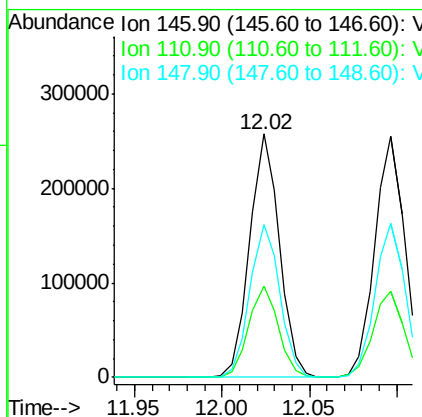
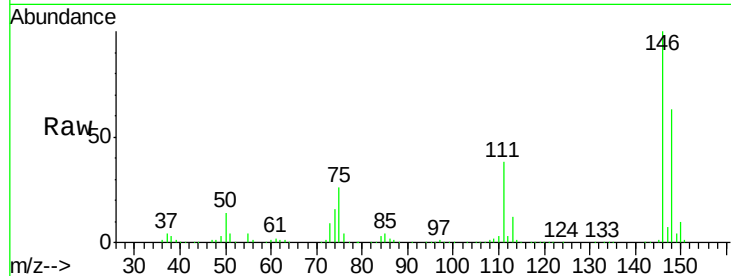
#87
 1,3-Dichlorobenzene
 Concen: 49.484 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	63.4	31.7	95.1

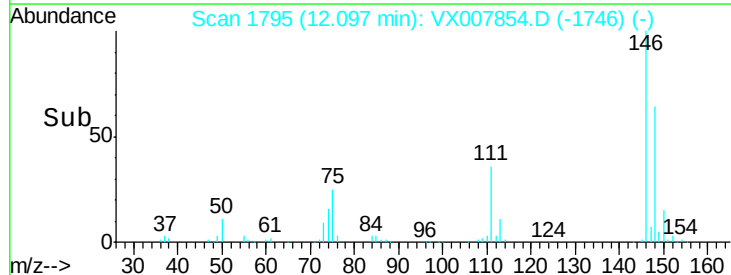
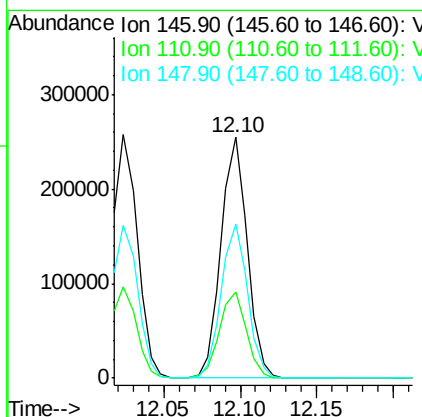
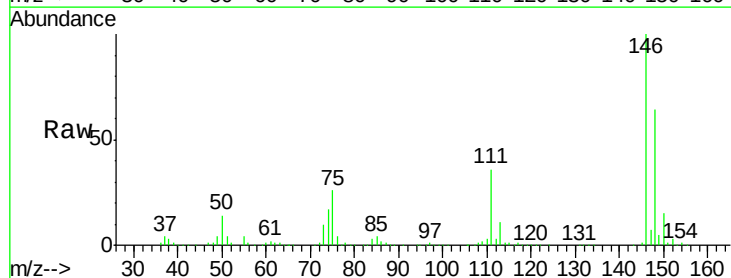
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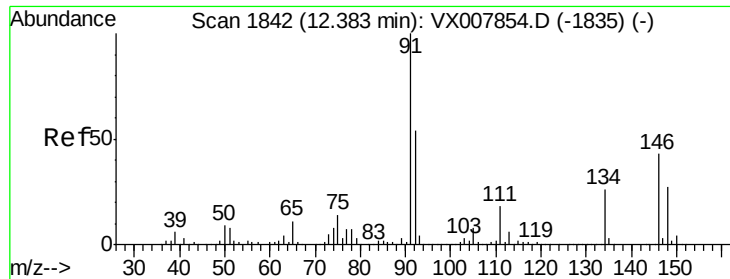
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 3/7/2019 10:34:56 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.014 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.0
148	64.4	32.2	96.6





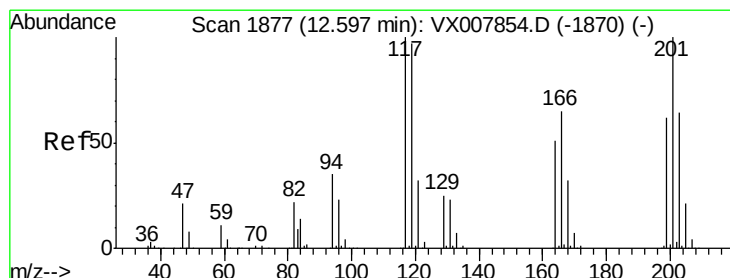
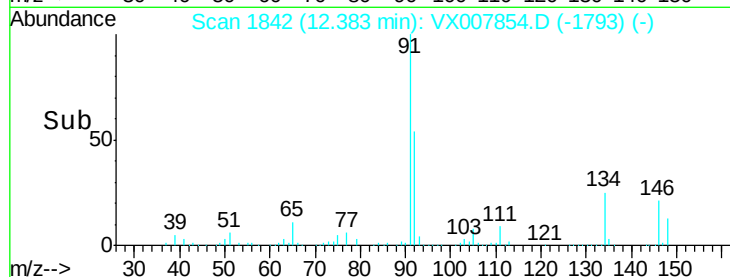
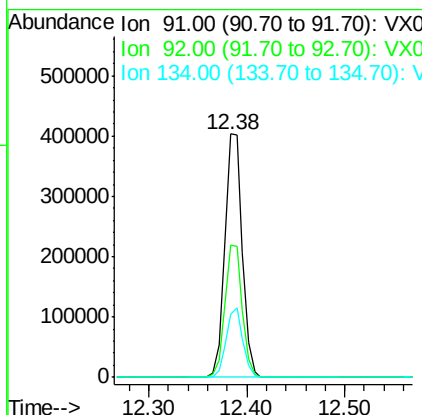
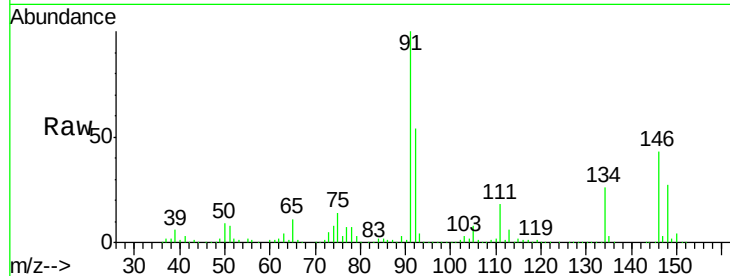
#89
n-Butylbenzene
Concen: 52.704 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.0	80.8
134	27.3	13.7	41.0

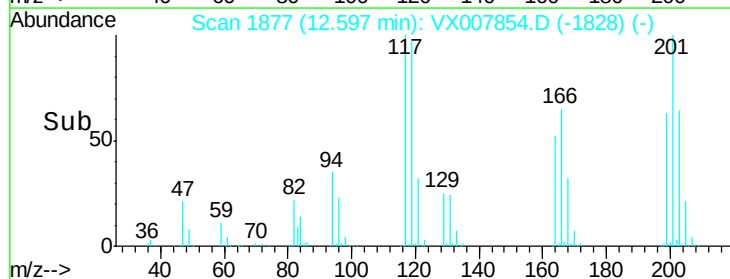
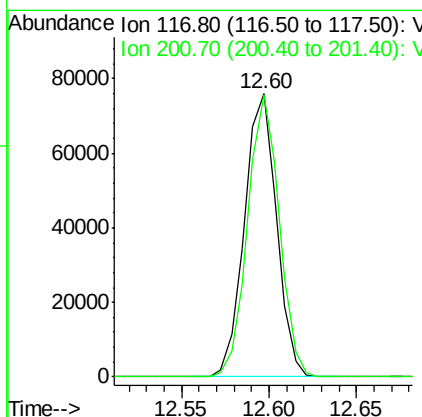
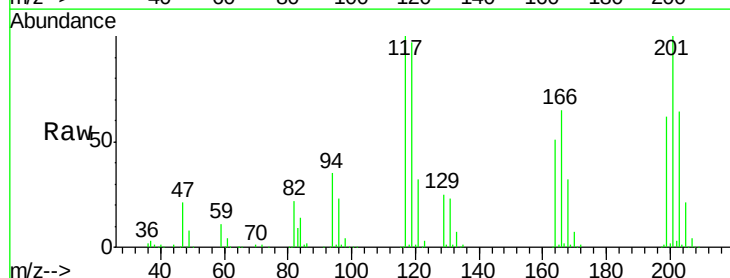
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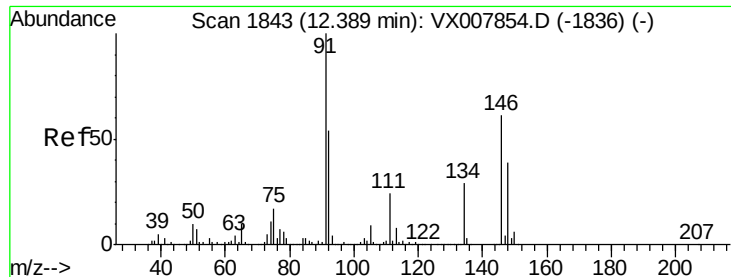
MMDadoda
3/7/2019 10:34:56 AM



#90
Hexachloroethane
Concen: 52.360 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007854.D
Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.8	48.9	146.7





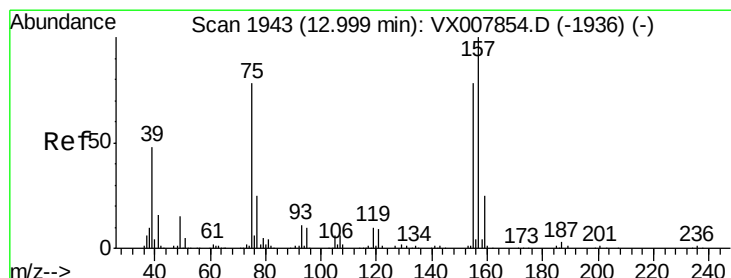
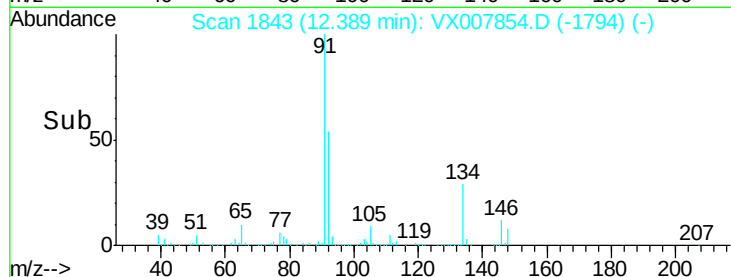
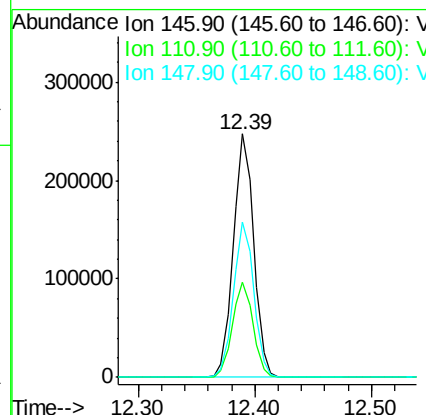
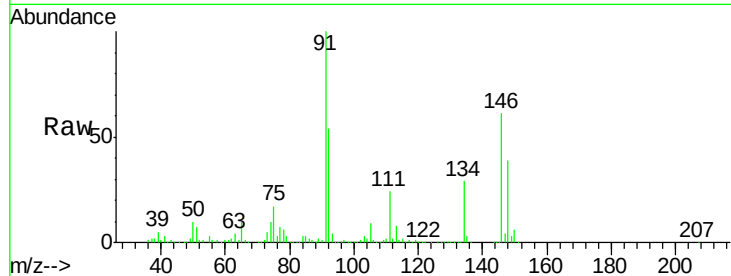
#91
 1,2-Dichlorobenzene
 Concen: 49.235 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	63.7	31.9	95.5

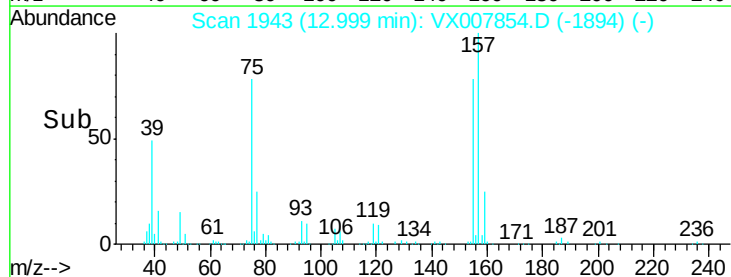
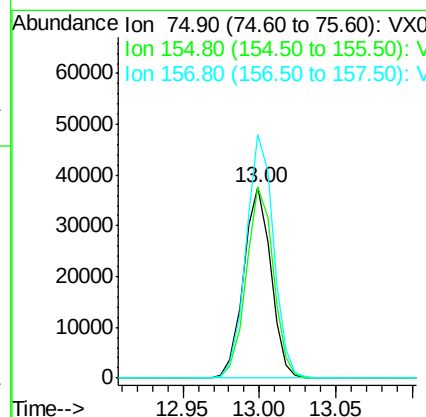
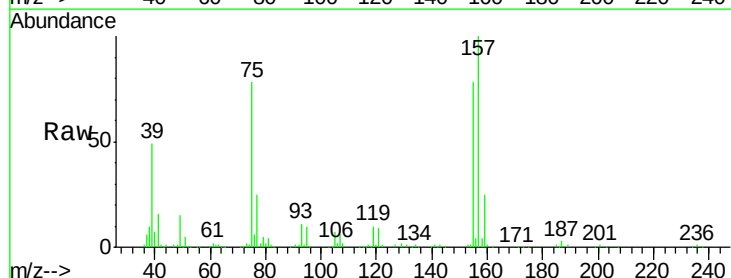
Manual Integrations
 APPROVED

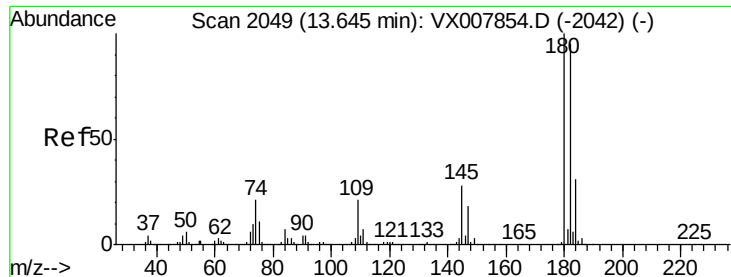
MMDadoda
 3/7/2019 10:34:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.656 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	49.7	149.1
157	127.6	63.8	191.4





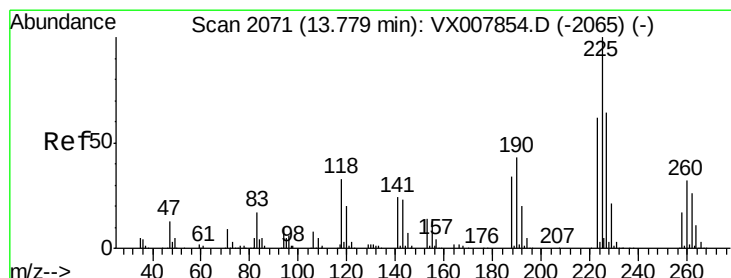
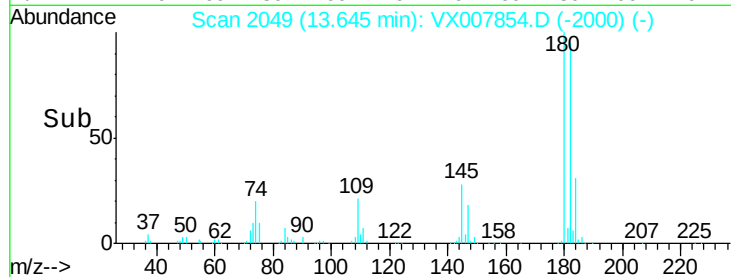
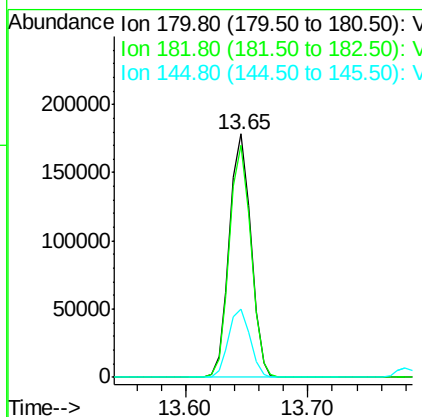
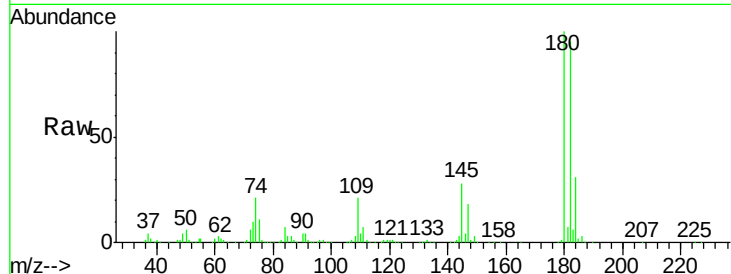
#93
 1,2,4-Trichlorobenzene
 Concen: 50.357 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	216434		
182	95.8	47.9	143.7	
145	28.3	14.1	42.4	

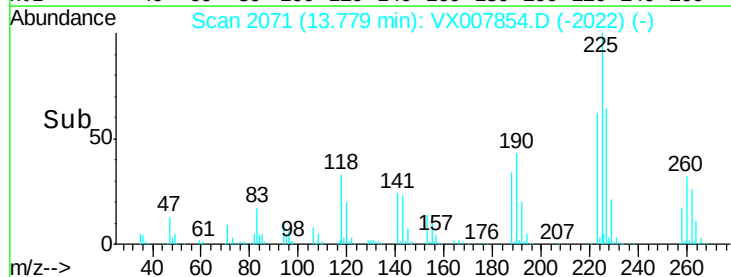
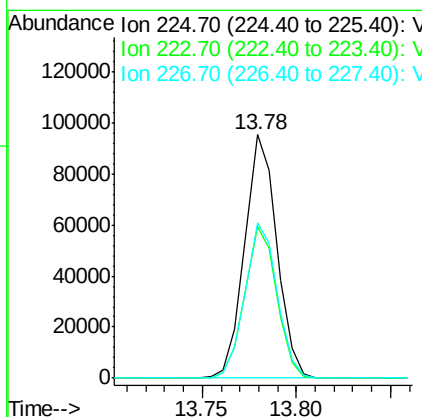
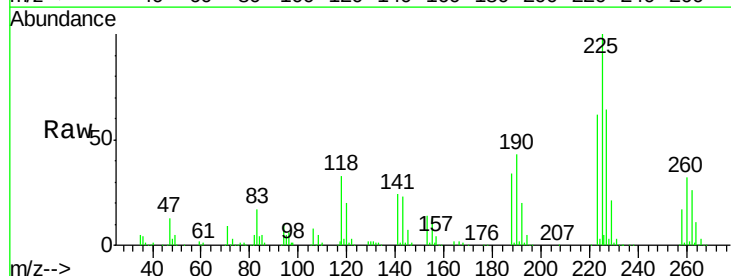
Manual Integrations
 APPROVED

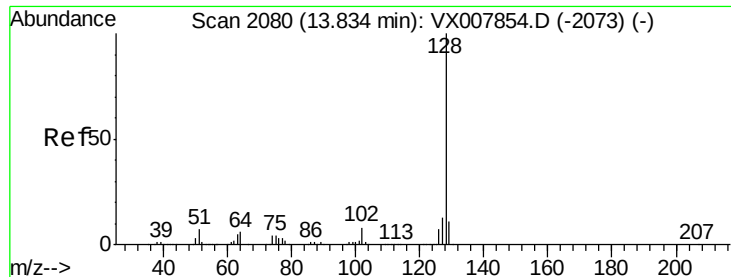
MMDadoda
 3/7/2019 10:34:56 AM



#94
 Hexachlorobutadiene
 Concen: 50.287 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007854.D
 Acq: 06 Mar 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	112998		
223	62.1	31.1	93.2	
227	64.0	32.0	96.0	





#95

Naphthalene

Concen: 52.223 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Instrument :

MSVOA_X

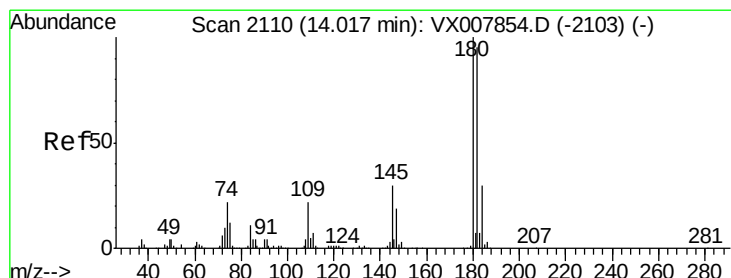
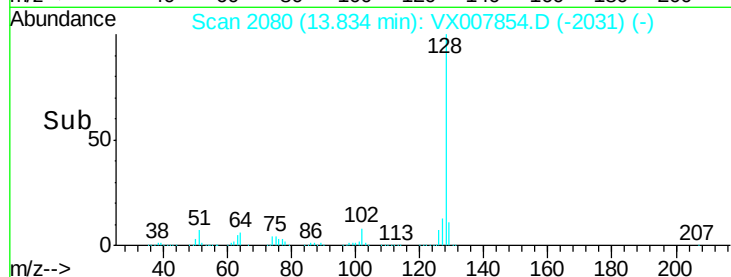
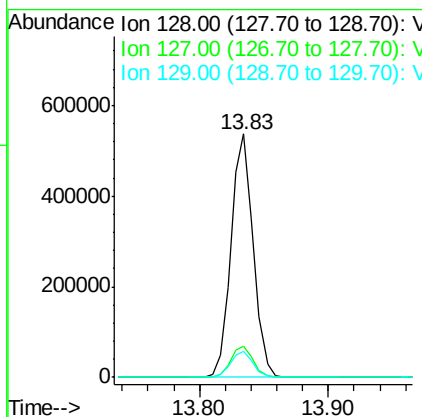
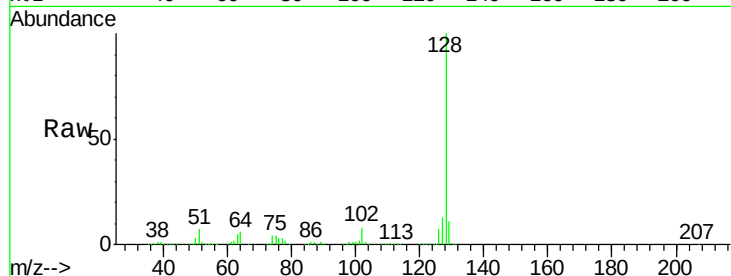
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	646725
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.566 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007854.D

Acq: 06 Mar 2019 11:00

Tgt Ion:	180	Resp:	216499
Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	29.5	14.8	44.3

