

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001845.D
 Acq On : 19 May 2018 00:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:38 PM

Quant Time: May 19 05:25:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	186580	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	174712	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	5.51	113	156539	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	8.72	98	584311	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
62) 4-Bromofluorobenzene	11.14	95	175555	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	128939	46.29	ug/l	98
3) Chloromethane	1.32	50	155012	51.51	ug/l	99
4) Vinyl Chloride	1.40	62	162633	49.99	ug/l	99
5) Bromomethane	1.64	94	64480	46.90	ug/l	98
6) Chloroethane	1.72	64	106031	51.74	ug/l	98
7) Trichlorofluoromethane	1.92	101	229115	48.47	ug/l	100
8) Diethyl Ether	2.19	74	98721	50.73	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	139116	48.88	ug/l	99
10) Methyl Iodide	2.51	142	188311	71.92	ug/l	98
11) Tert butyl alcohol	3.09	59	182223	275.86	ug/l	100
12) 1,1-Dichloroethene	2.37	96	130957	47.73	ug/l	98
13) Acrolein	2.30	56	91651	195.63	ug/l	97
14) Allyl chloride	2.73	41	257186	50.71	ug/l	95
15) Acrylonitrile	3.15	53	441434	266.06	ug/l	99
16) Acetone	2.45	43	368607	252.24	ug/l	98
17) Carbon Disulfide	2.57	76	307395	42.95	ug/l	99
18) Methyl Acetate	2.78	43	246521	57.70	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	473887	51.25	ug/l	98
20) Methylene Chloride	2.86	84	155788	49.80	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	142784	47.24	ug/l	98
22) Diisopropyl ether	3.88	45	519288	53.38	ug/l	99
23) Vinyl Acetate	3.83	43	1710282	244.00	ug/l	100
24) 1,1-Dichloroethane	3.70	63	271958	50.97	ug/l	100
25) 2-Butanone	4.71	43	630741	281.92	ug/l	98
26) 2,2-Dichloropropane	4.59	77	167510	39.00	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	177445	51.59	ug/l	98
28) Bromochloromethane	5.03	49	142531	60.14	ug/l	98
29) Tetrahydrofuran	5.17	42	410646	281.58	ug/l	99
30) Chloroform	5.22	83	292035	52.11	ug/l	100
31) Cyclohexane	5.57	56	243706	52.11	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	250886	51.81	ug/l	99
36) 1,1-Dichloropropene	5.80	75	205504	48.91	ug/l	99
37) Ethyl Acetate	4.87	43	236573	54.02	ug/l	99
38) Carbon Tetrachloride	5.79	117	222575	50.56	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	249009	50.72	ug/l	98
40) Benzene	6.15	78	658550	53.19	ug/l	99
41) Methacrylonitrile	5.07	41	136852	54.04	ug/l	98
42) 1,2-Dichloroethane	6.20	62	218968	48.90	ug/l	98
43) Isopropyl Acetate	6.48	43	362292	52.86	ug/l	99
44) Trichloroethene	7.22	130	198169	51.57	ug/l	97
45) 1,2-Dichloropropane	7.52	63	167630	55.18	ug/l	98
46) Dibromomethane	7.67	93	110207	51.66	ug/l	98
47) Bromodichloromethane	7.90	83	214184	54.11	ug/l	98
48) Methyl methacrylate	7.79	41	195845	54.29	ug/l	96
49) 1,4-Dioxane	7.76	88	88442	1273.28	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1253702	288.65	ug/l	98
52) Toluene	8.79	92	428992	53.93	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	246311	52.89	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	219030	53.35	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	146091	48.04	ug/l	98
56) Ethyl methacrylate	9.19	69	209075	48.48	ug/l	98
57) 1,3-Dichloropropane	9.38	76	241203	47.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	619461	279.26	ug/l	99
59) 2-Hexanone	9.51	43	791745	254.65	ug/l	99
60) Dibromochloromethane	9.59	129	159509	51.23	ug/l	99
61) 1,2-Dibromoethane	9.68	107	153523	48.23	ug/l	99
64) Tetrachloroethene	9.34	164	192344	51.75	ug/l	97
65) Chlorobenzene	10.14	112	403766	51.42	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	155141	55.93	ug/l	99
67) Ethyl Benzene	10.26	91	664104	52.92	ug/l	99
68) m/p-Xylenes	10.37	106	525251	106.07	ug/l	99
69) o-Xylene	10.71	106	258225	54.45	ug/l	99
70) Styrene	10.72	104	432449	55.29	ug/l	99
71) Bromoform	10.87	173	130354	50.47	ug/l #	100
73) Isopropylbenzene	11.02	105	693168	56.41	ug/l	100
74) N-amyl acetate	6.48	43	362292	61.50	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	204853	55.58	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	196559m	55.40	ug/l	
77) Bromobenzene	11.26	156	198575	55.00	ug/l	98
78) n-propylbenzene	11.37	91	759043	54.83	ug/l	99
79) 2-Chlorotoluene	11.43	91	452446	54.65	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	571995	56.74	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	53897	45.58	ug/l	99
82) 4-Chlorotoluene	11.52	91	521423	53.46	ug/l	100
83) tert-Butylbenzene	11.77	119	568178	56.64	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	592582	56.77	ug/l	100
85) sec-Butylbenzene	11.95	105	691342	55.83	ug/l	100
86) p-Isopropyltoluene	12.07	119	631769	55.14	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	350638	52.51	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	349390	50.60	ug/l	99
89) n-Butylbenzene	12.39	91	494352	49.88	ug/l	100
90) Hexachloroethane	12.60	117	102879	57.81	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	360610	54.20	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	47295	60.12	ug/l	99

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VSTDCCC050

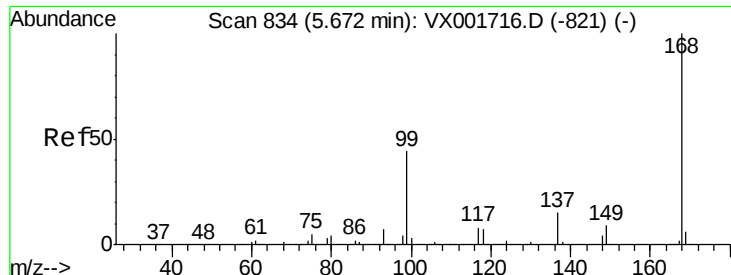
Manual Integrations
APPROVED

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5/21/2018 2:40:38 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	268470	50.62	ug/l	99
94) Hexachlorobutadiene	13.79	225	145664	51.16	ug/l	100
95) Naphthalene	13.84	128	773342	56.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	281085	52.64	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 277582

Ion Ratio Lower Upper

168 100

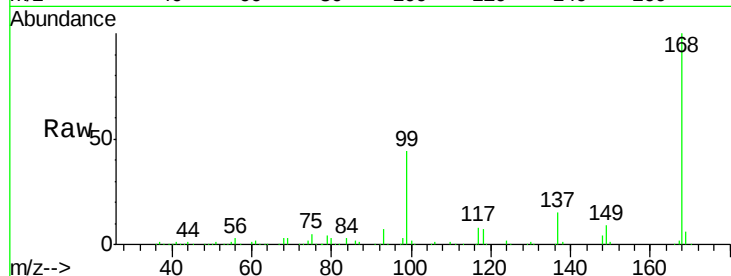
99 44.4 35.0 52.4

Manual Integrations

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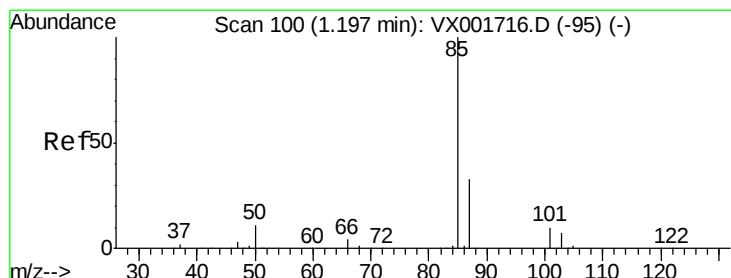
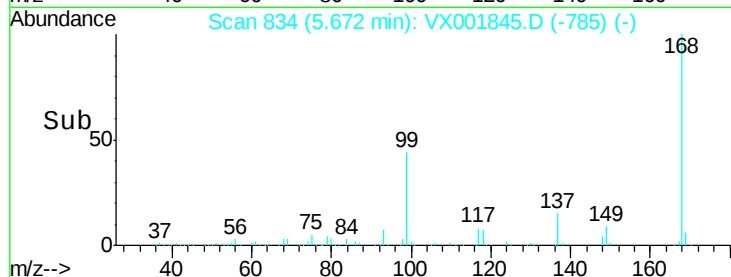
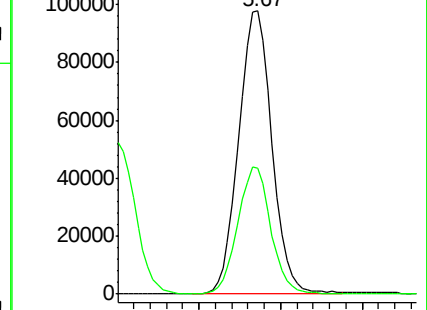
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 46.29 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001845.D

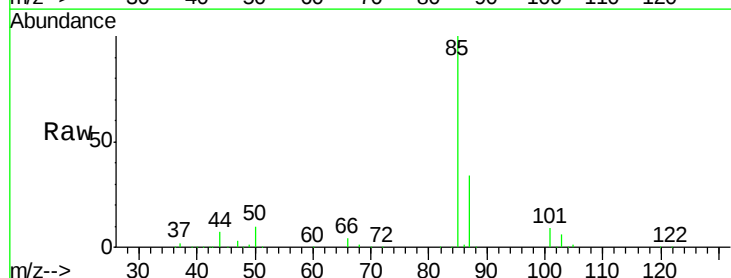
Acq: 19 May 2018 00:14

Tgt Ion: 85 Resp: 128939

Ion Ratio Lower Upper

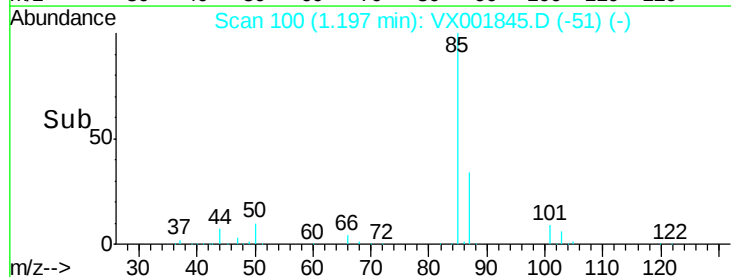
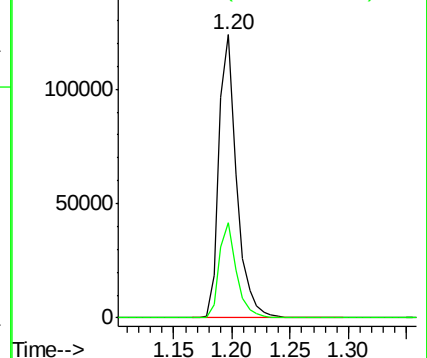
85 100

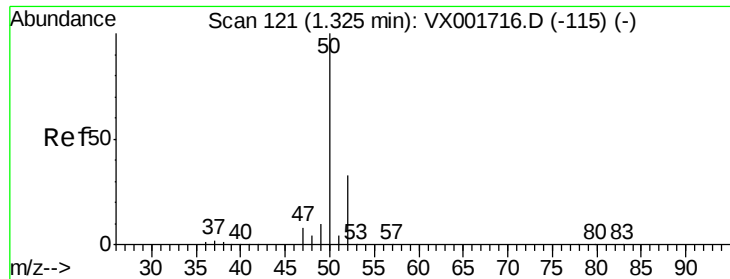
87 33.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 51.51 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 155012

Ion Ratio Lower Upper

50 100

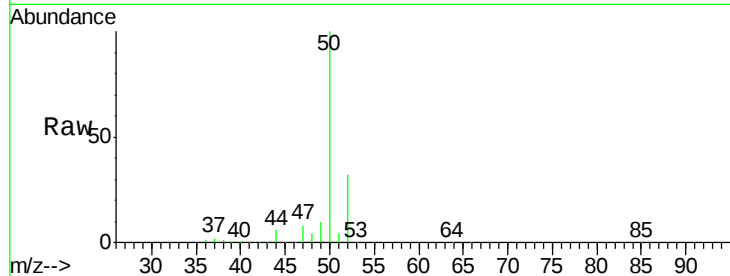
52 32.2 26.3 39.5

Manual Integrations

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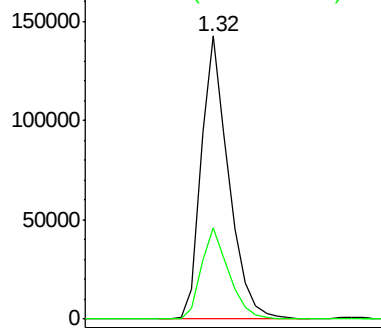
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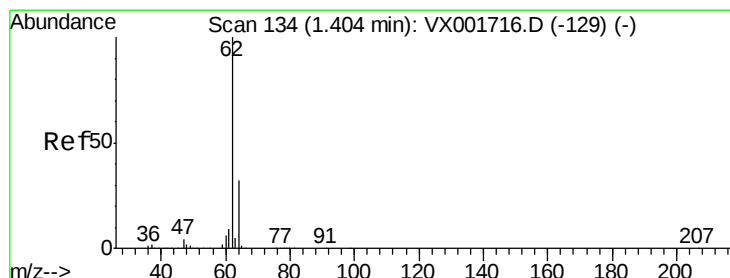
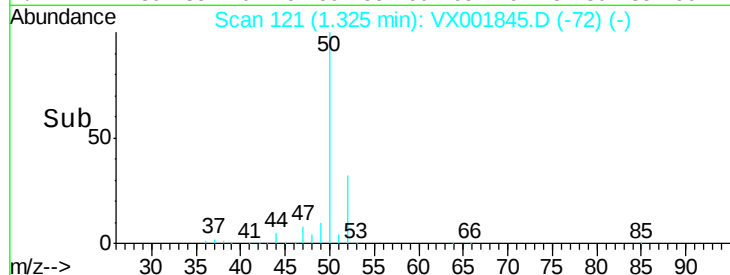


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 49.99 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001845.D

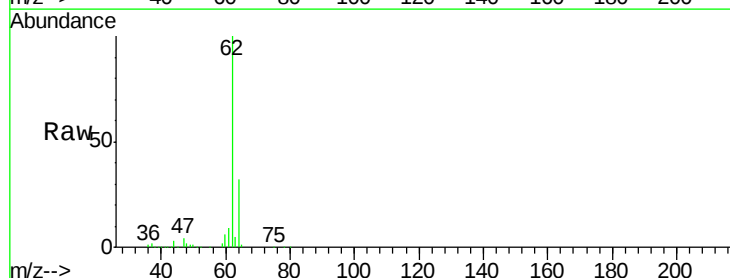
Acq: 19 May 2018 00:14

Tgt Ion: 62 Resp: 162633

Ion Ratio Lower Upper

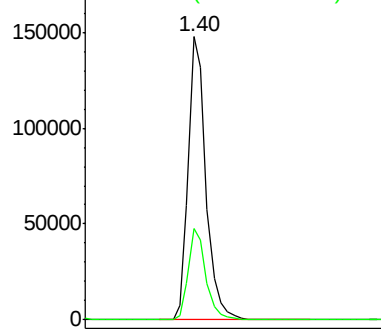
62 100

64 32.4 25.6 38.4

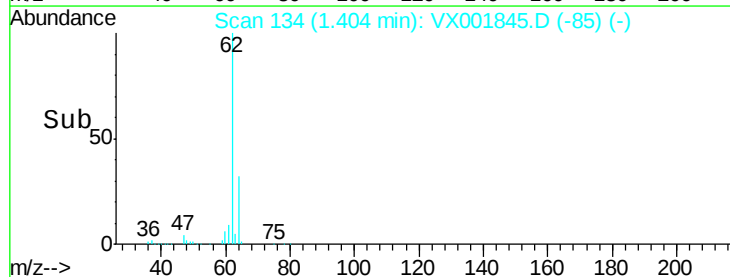


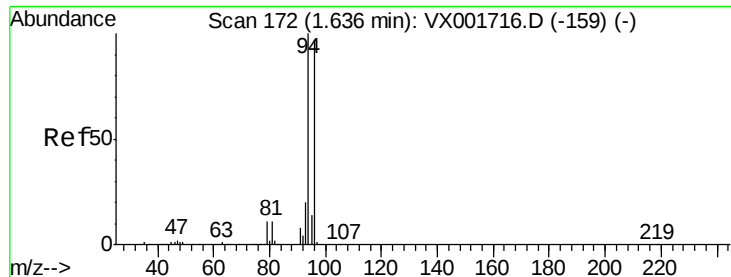
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 46.90 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 64480

Ion Ratio Lower Upper

94 100

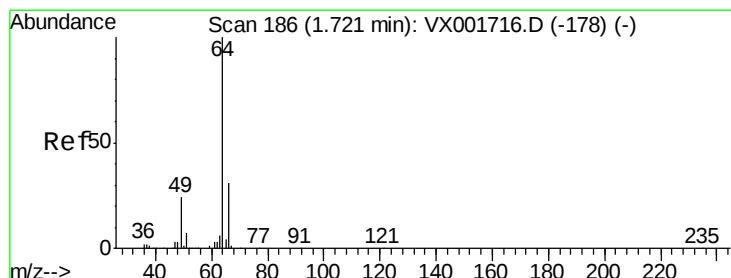
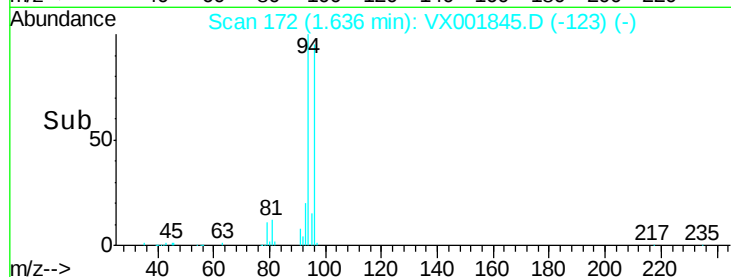
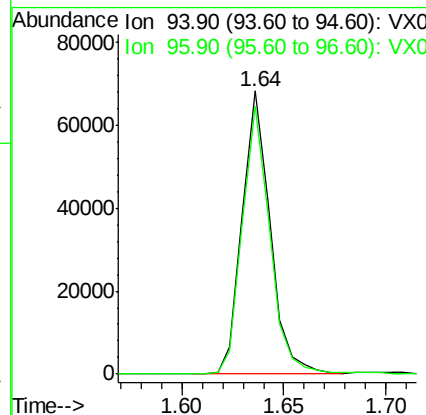
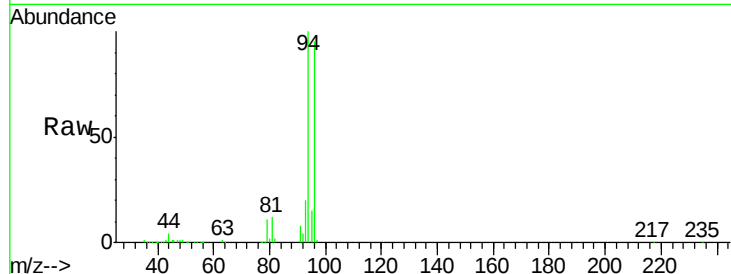
96 94.6 77.4 116.0

Manual Integrations

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5/21/2018 2:40:38 PM



#6

Chloroethane

Concen: 51.74 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001845.D

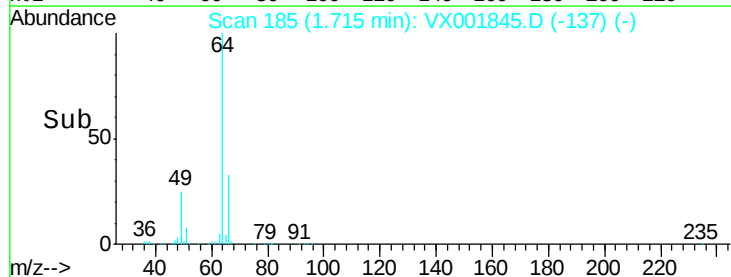
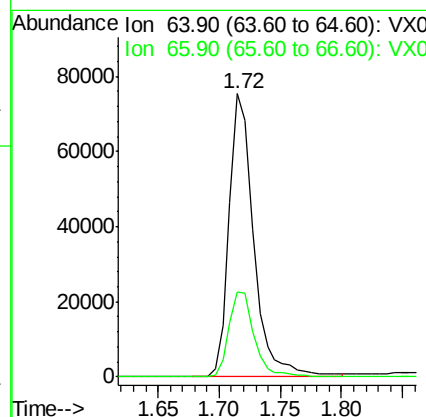
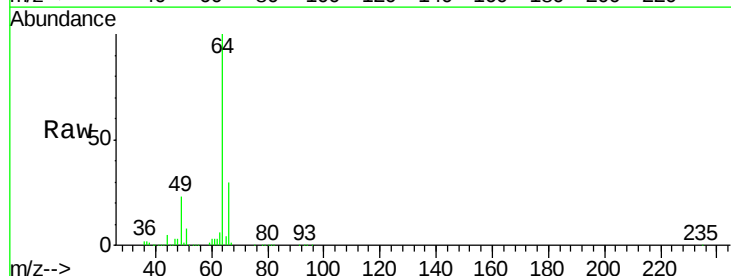
Acq: 19 May 2018 00:14

Tgt Ion: 64 Resp: 106031

Ion Ratio Lower Upper

64 100

66 30.2 25.2 37.8





#7

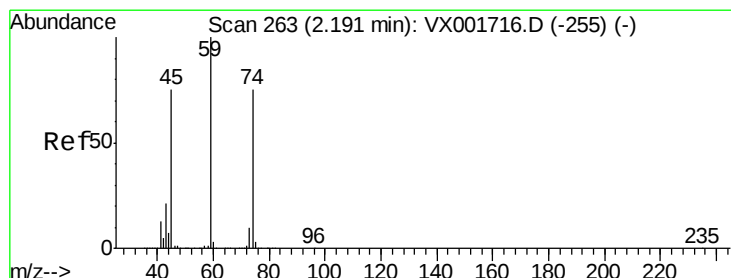
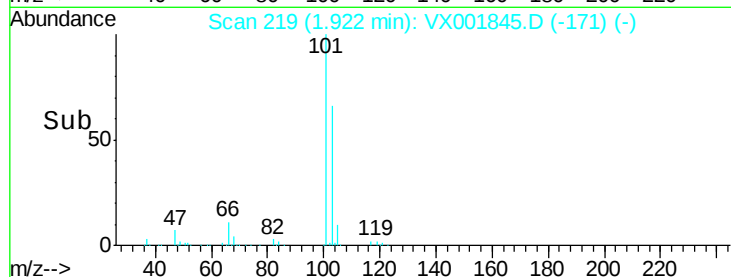
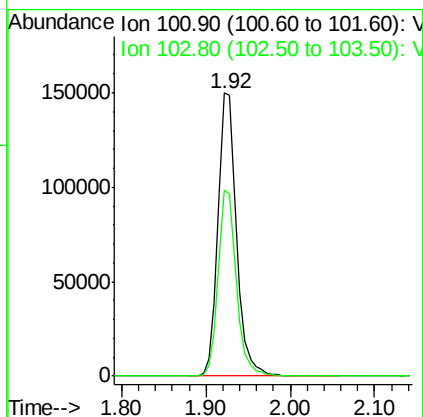
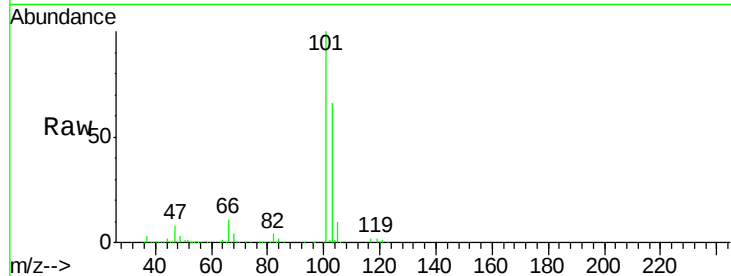
Trichlorofluoromethane
 Concen: 48.47 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	229115		
103	65.9	52.6	78.8	

Manual Integrations
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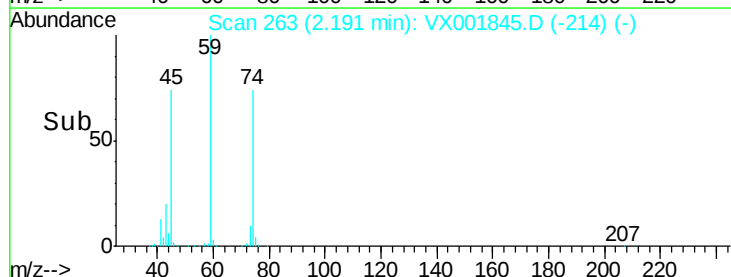
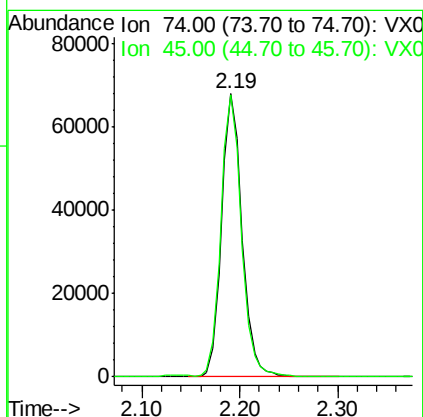
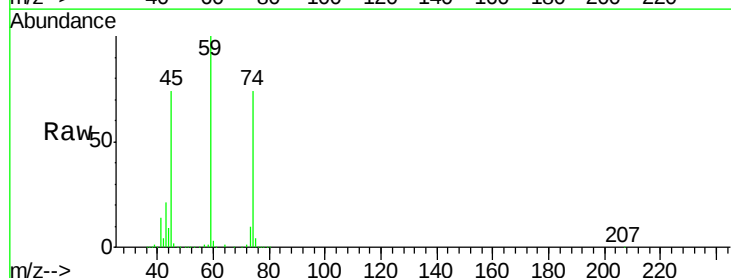
MMDadoda
 5/21/2018 2:40:38 PM

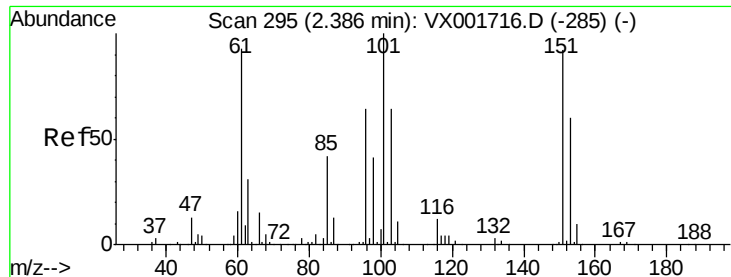


#8

Diethyl Ether
 Concen: 50.73 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	98721		
45	99.0	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.88 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

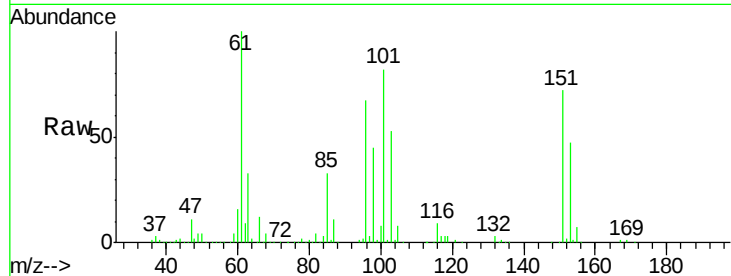
ClientSampleId :

VSTDCCC050

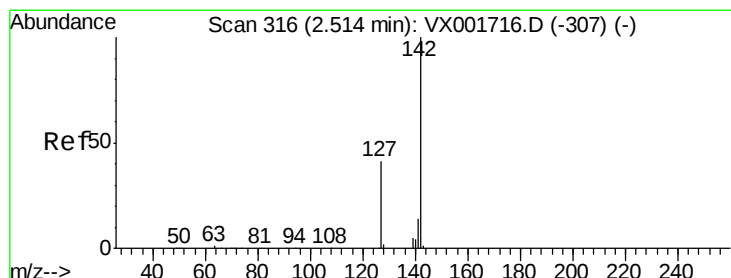
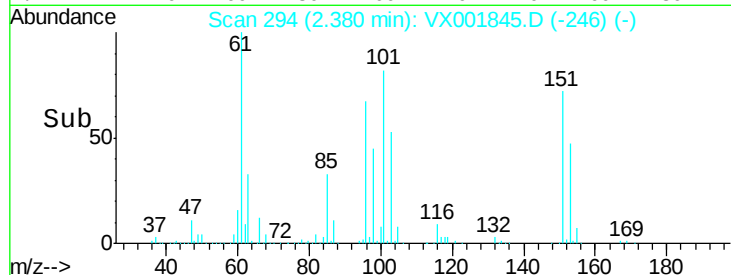
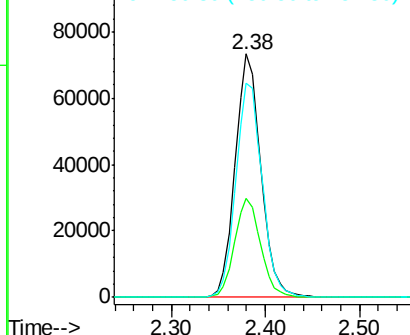
Tot Ion:	101	Resp:	139116
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.7	50.5
151	90.4	73.0	109.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 71.92 ug/l

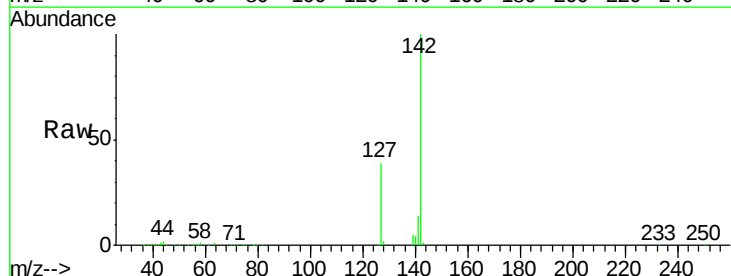
RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

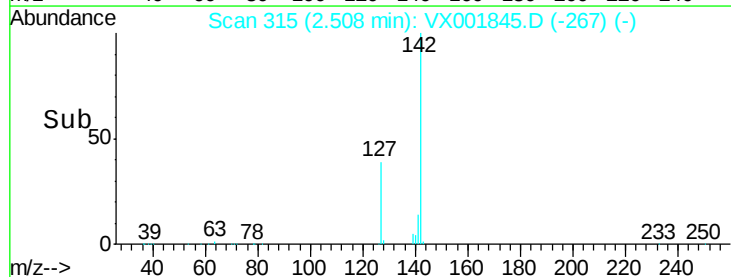
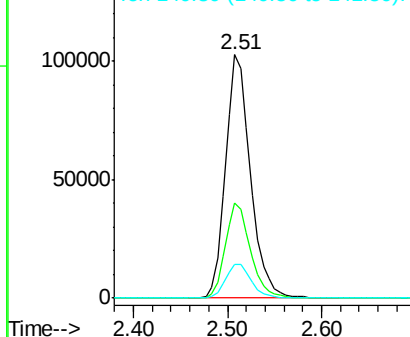
Lab File: VX001845.D

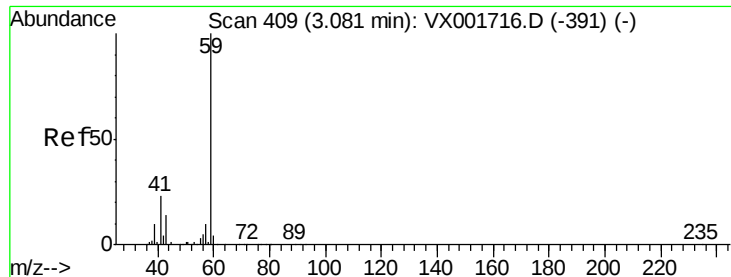
Acq: 19 May 2018 00:14

Tgt Ion:	142	Resp:	188311
Ion Ratio	Lower	Upper	
142	100		
127	39.4	32.5	48.7
141	14.5	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

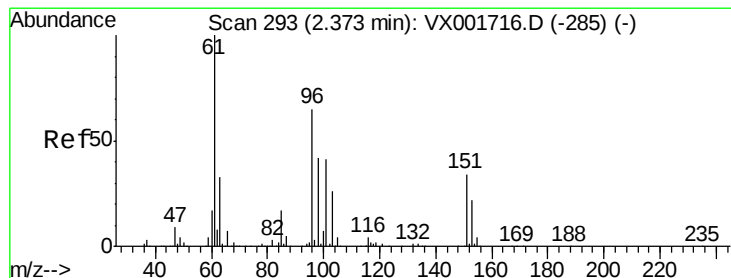
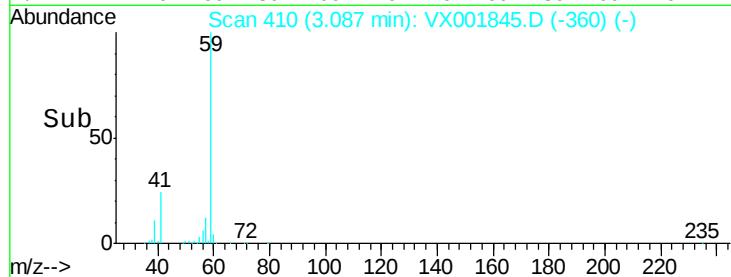
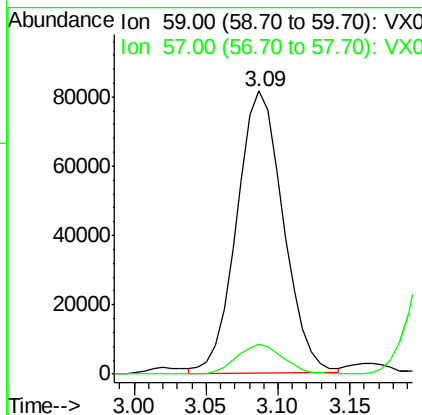
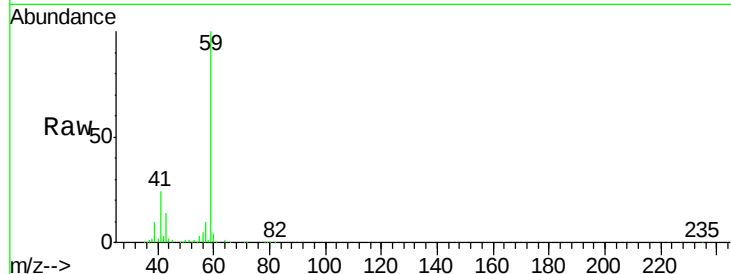
Tert butyl alcohol
 Concen: 275.86 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	182223
Ion Ratio	59	100	
Lower	57	10.6	8.5
Upper			12.7

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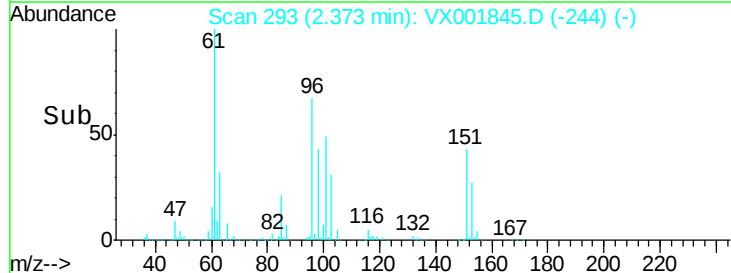
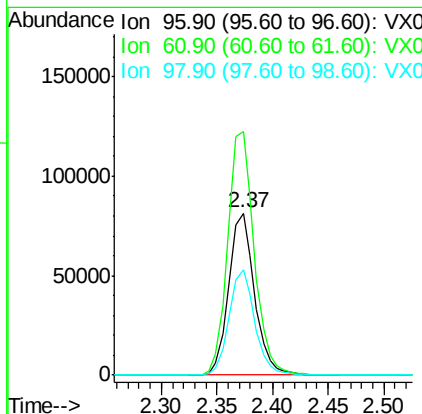
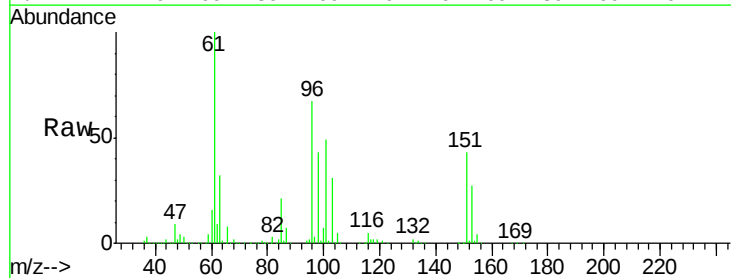
MMDadoda
 5/21/2018 2:40:38 PM

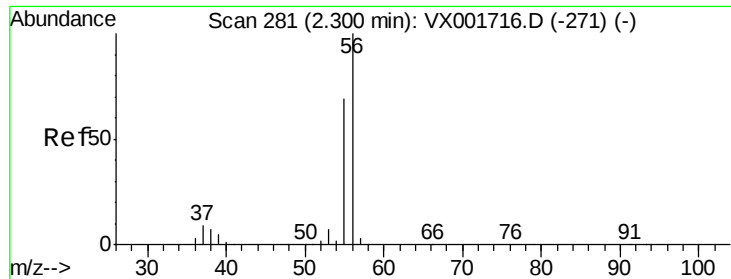


#12

1,1-Dichloroethene
 Concen: 47.73 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion	96	Resp	130957
Ion Ratio	96	100	
Lower	61	150.4	122.2
Upper	98	64.8	51.4





#13

Acrolein

Concen: 195.63 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 91651

Ion Ratio Lower Upper

56 100

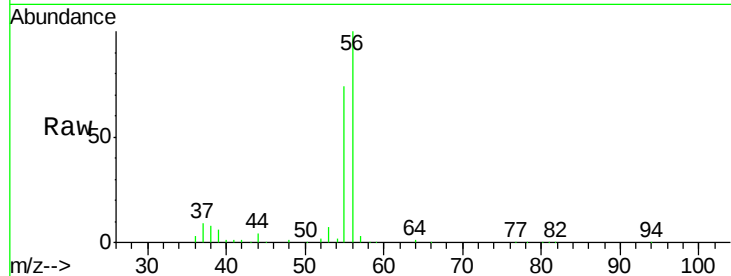
55 72.4 56.2 84.2

Manual Integrations

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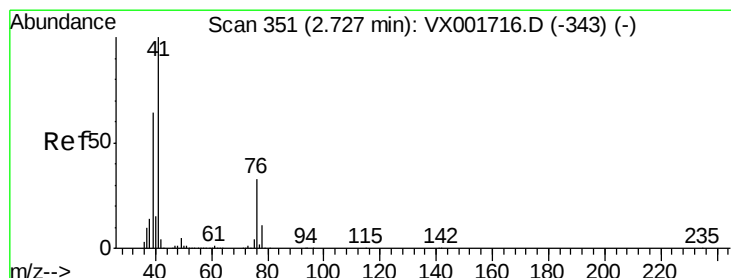
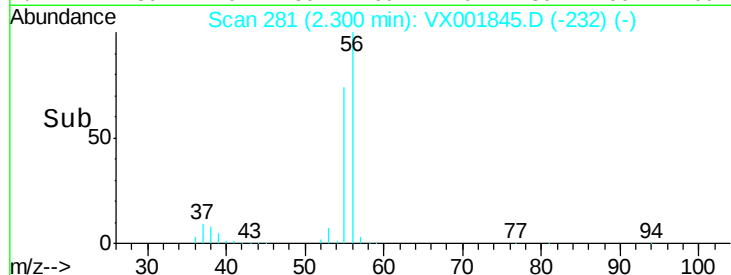
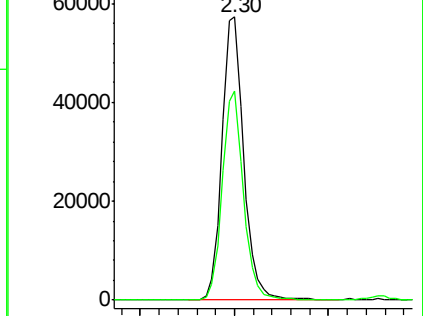
MMDadoda

5/21/2018 2:40:38 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 50.71 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

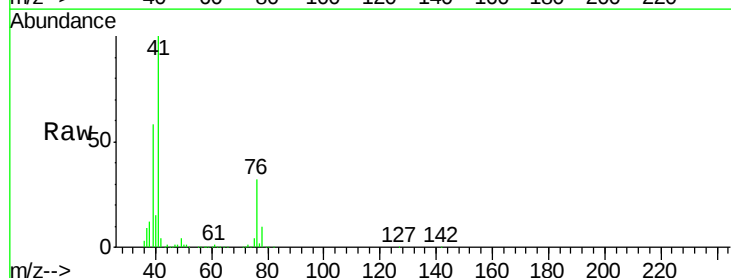
Tgt Ion: 41 Resp: 257186

Ion Ratio Lower Upper

41 100

39 57.8 49.8 74.6

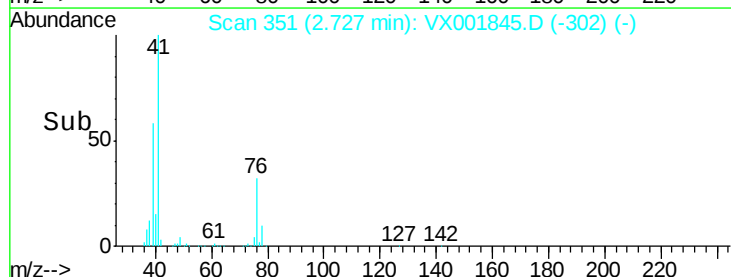
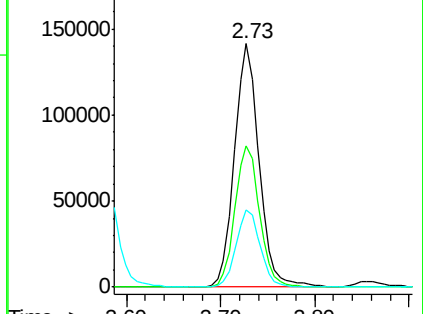
76 31.1 25.8 38.8

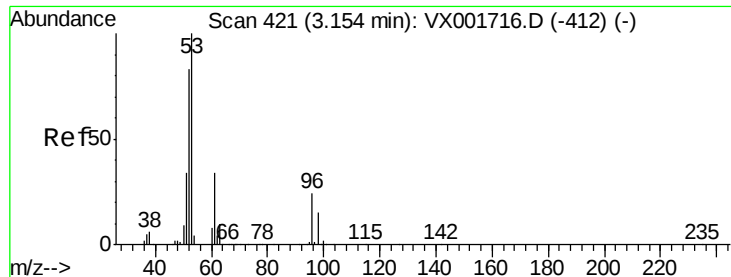


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 266.06 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

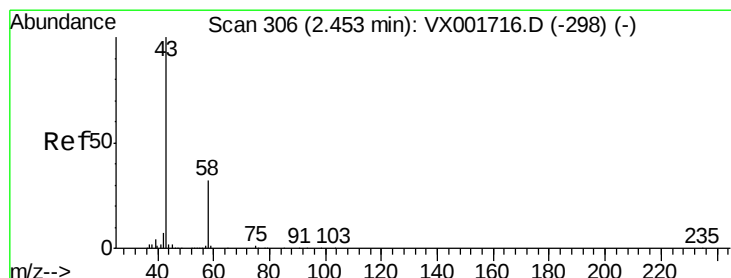
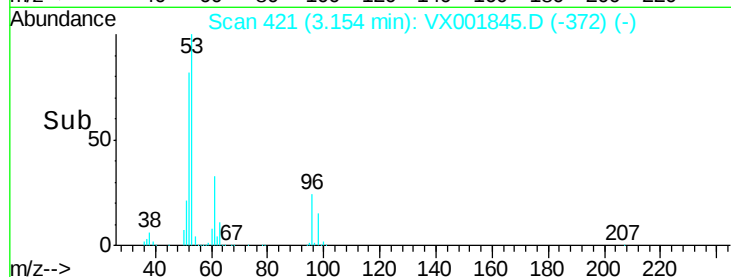
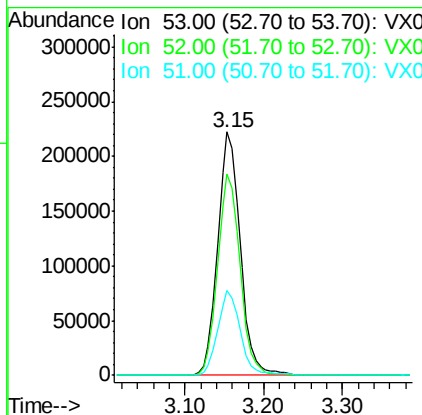
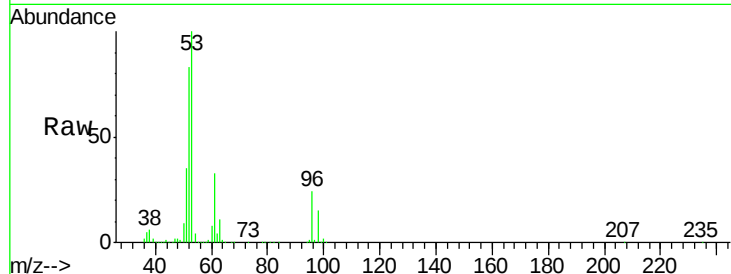
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	441434
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.6	98.4
51	35.1	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 252.24 ug/l

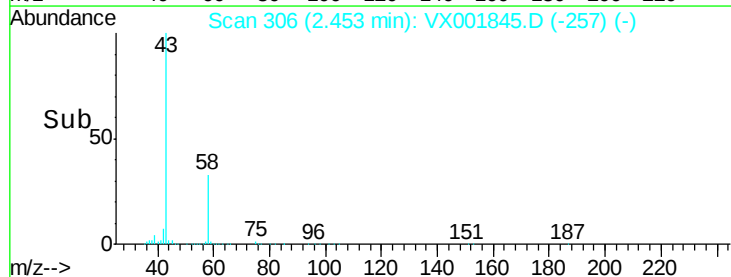
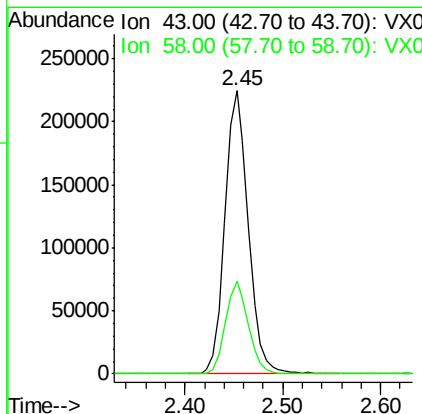
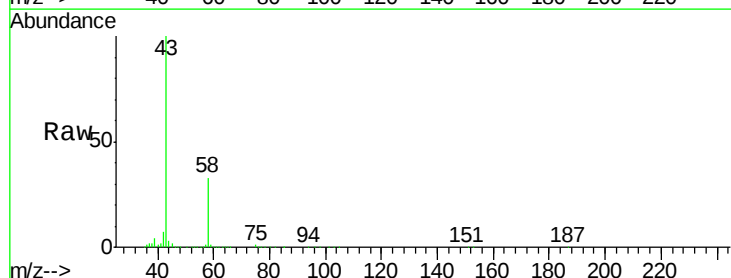
RT: 2.45 min Scan# 306

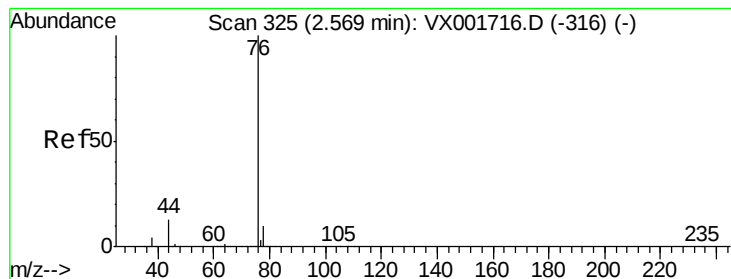
Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Tgt Ion:	43	Resp:	368607
Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.3	37.9





#17

Carbon Disulfide

Concen: 42.95 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 307395

Ion Ratio Lower Upper

76 100

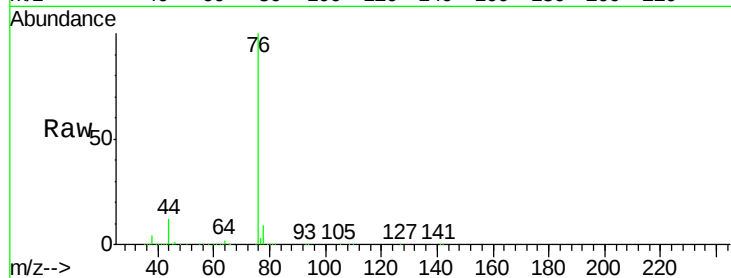
78 9.1 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

100000

50000

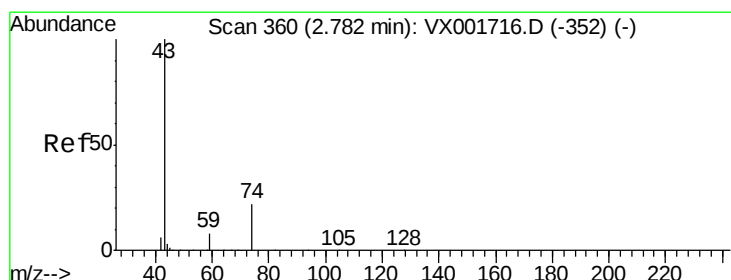
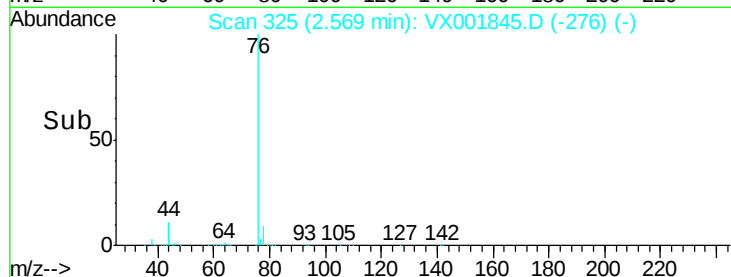
0

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 57.70 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001845.D

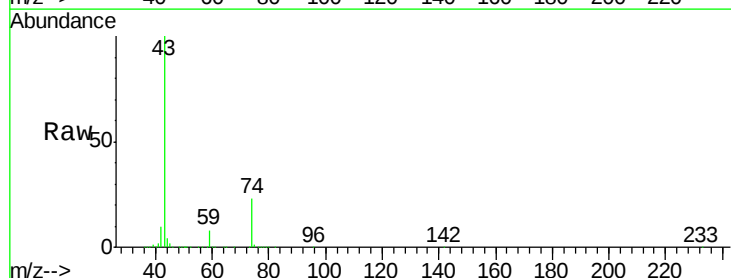
Acq: 19 May 2018 00:14

Tgt Ion: 43 Resp: 246521

Ion Ratio Lower Upper

43 100

74 22.9 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

150000

100000

50000

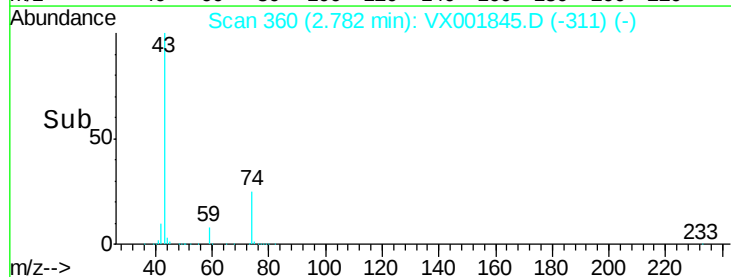
0

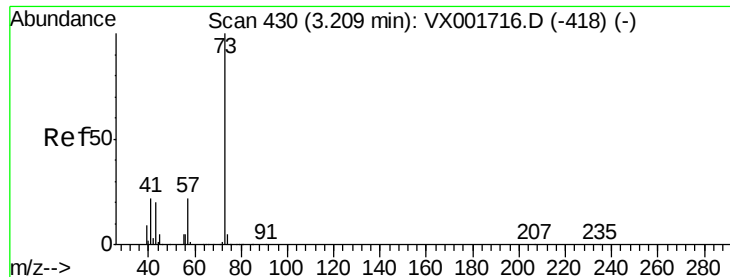
2.70

2.80

2.90

Time-->





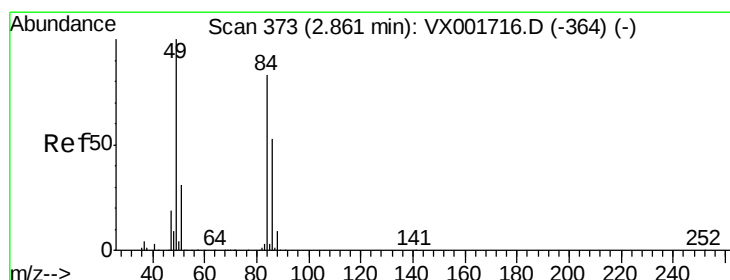
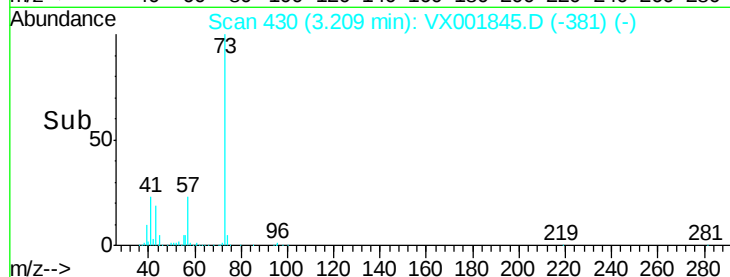
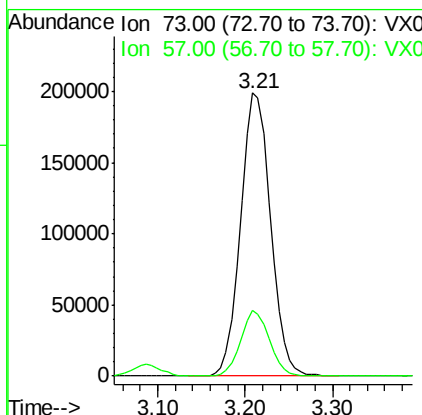
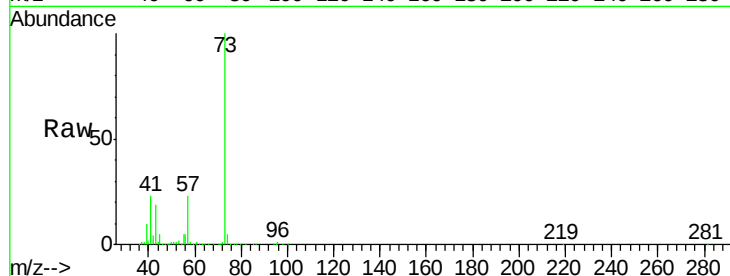
#19
Methvl tert-butvl Ether
Concen: 51.25 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 473887
Ion Ratio Lower Upper
73 100
57 23.0 17.5 26.3

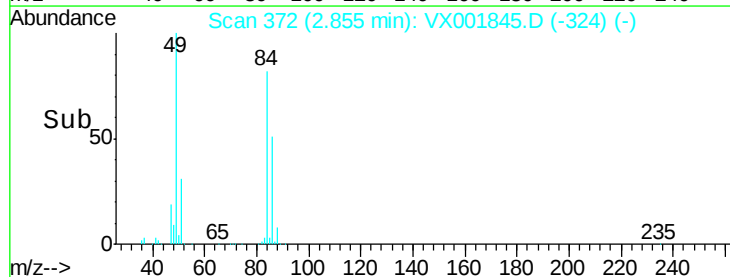
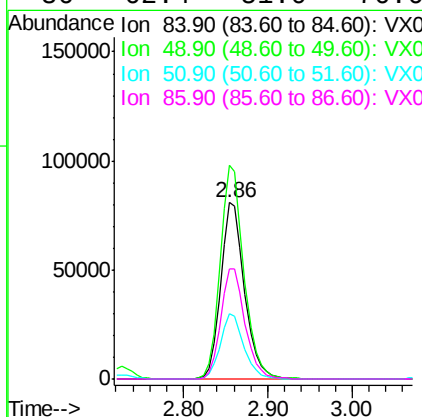
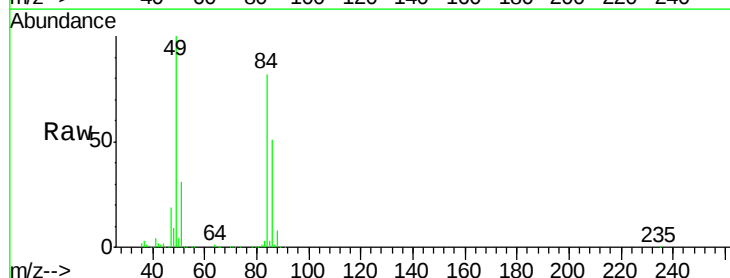
Manual Integrations
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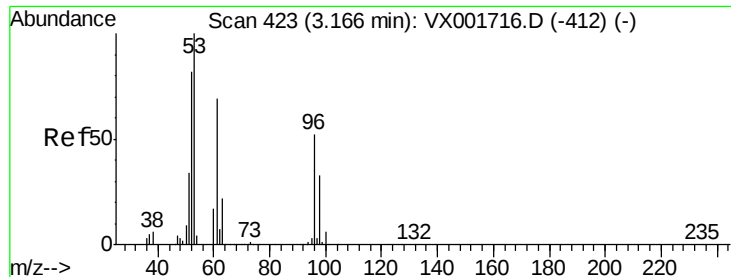
MMDadoda
5/21/2018 2:40:38 PM



#20
Methylene Chloride
Concen: 49.80 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion: 84 Resp: 155788
Ion Ratio Lower Upper
84 100
49 121.2 96.3 144.5
51 37.3 29.8 44.6
86 62.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.24 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

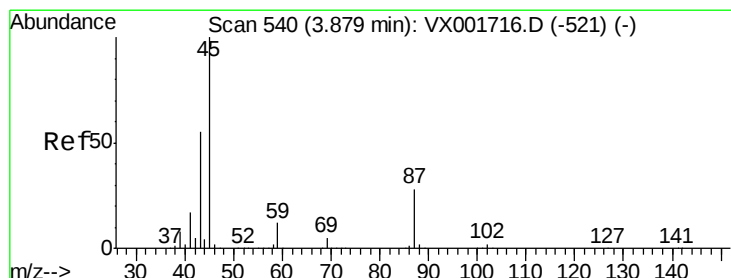
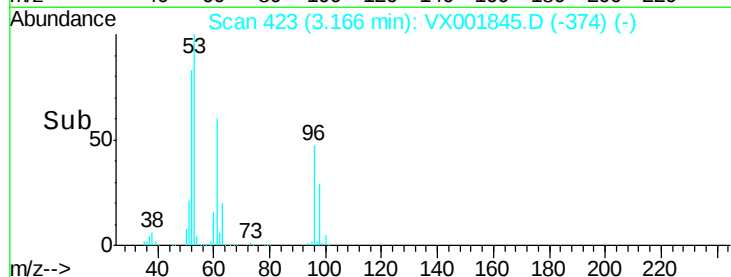
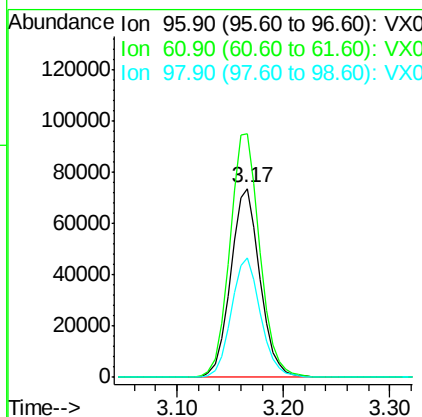
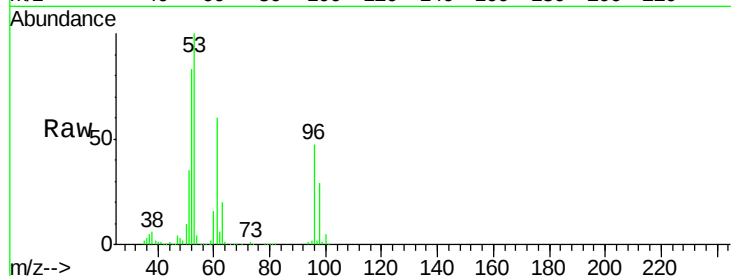
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	142784
Ion	Ratio	Lower	Upper
96	100		
61	128.5	105.8	158.8
98	62.9	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.38 ug/l

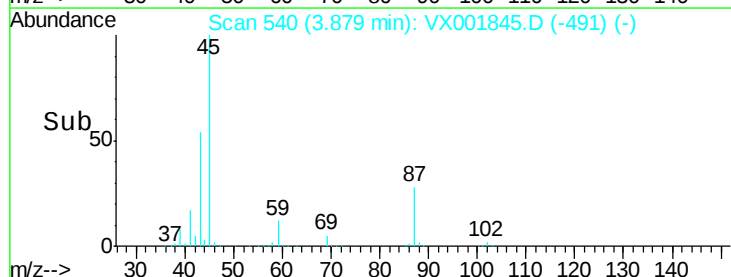
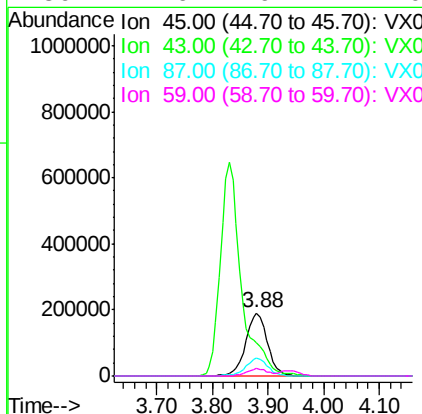
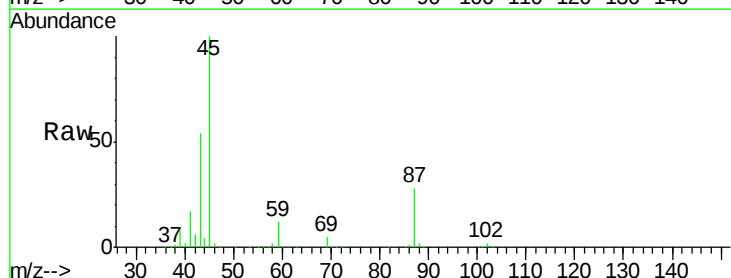
RT: 3.88 min Scan# 540

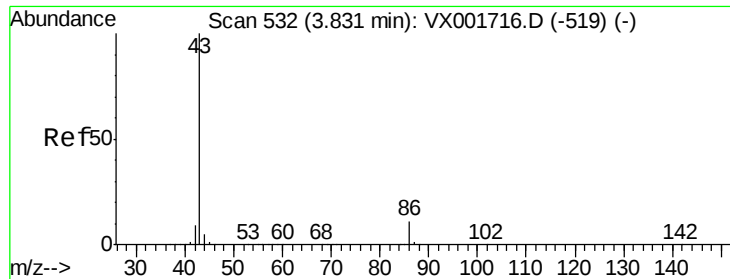
Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Tgt Ion:	45	Resp:	519288
Ion	Ratio	Lower	Upper
45	100		
43	53.8	44.3	66.5
87	28.4	22.6	33.8
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 244.00 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1710282

Ion Ratio Lower Upper

43 100

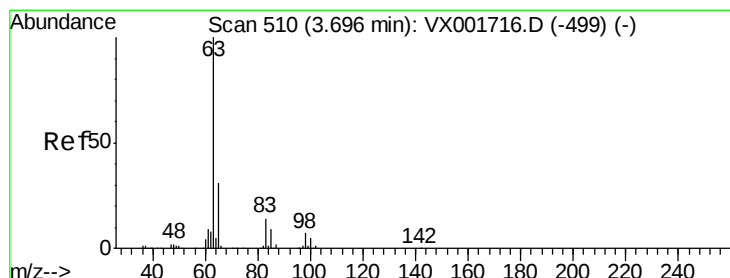
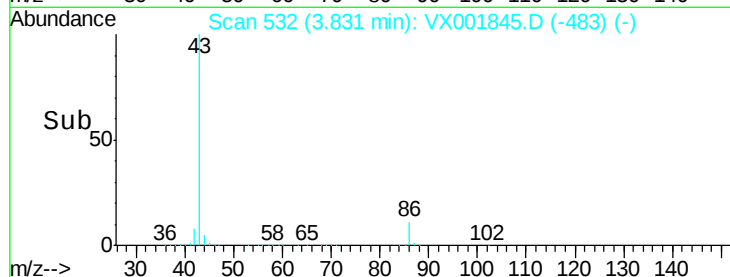
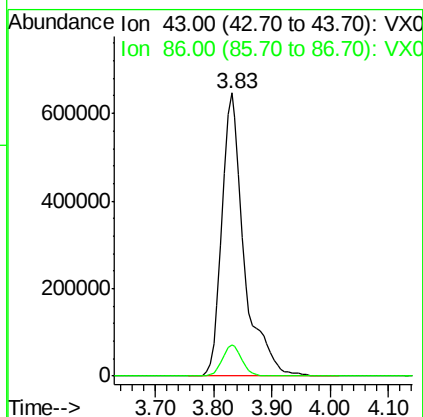
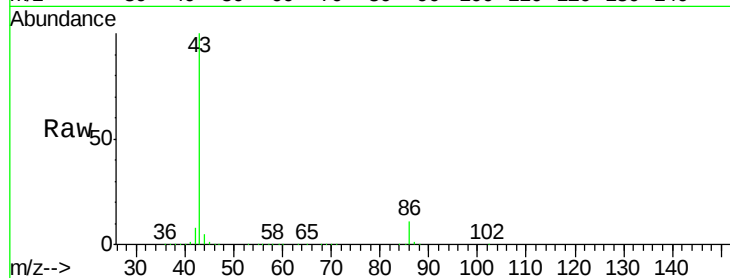
86 10.9 8.7 13.1

Manual Integrations

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MMDadoda

5/21/2018 2:40:38 PM



#24

1,1-Dichloroethane

Concen: 50.97 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

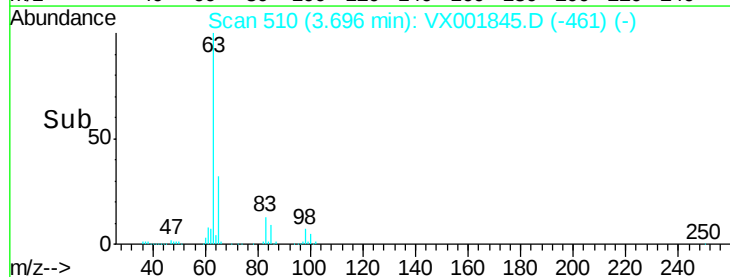
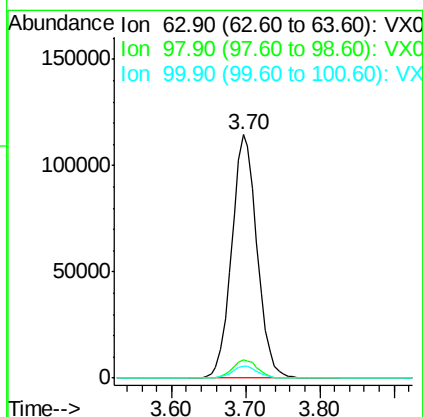
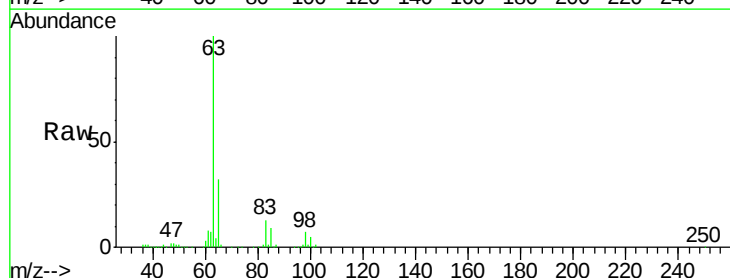
Tgt Ion: 63 Resp: 271958

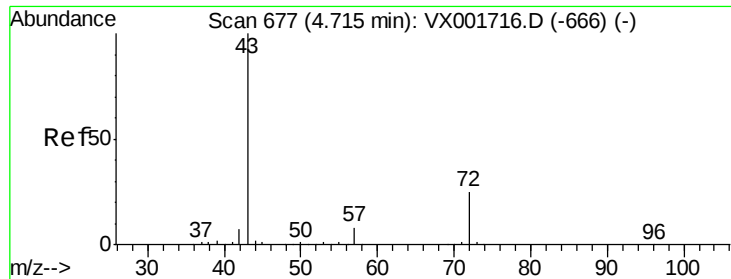
Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 281.92 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 630741

Ion Ratio Lower Upper

43 100

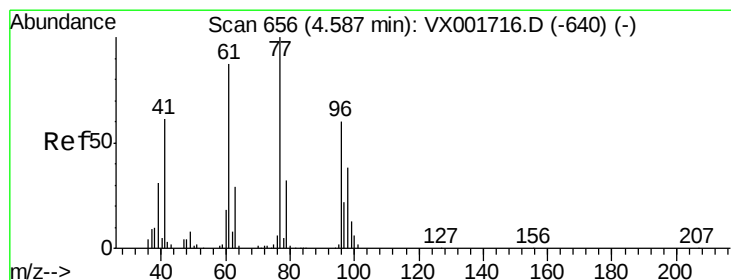
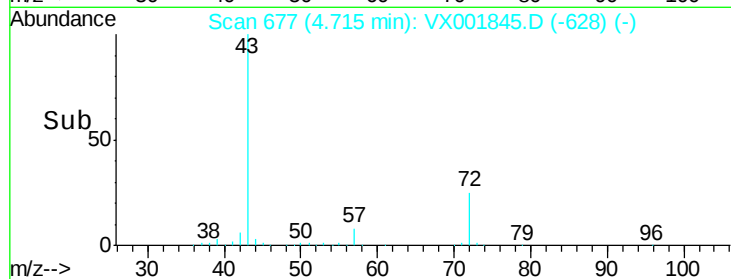
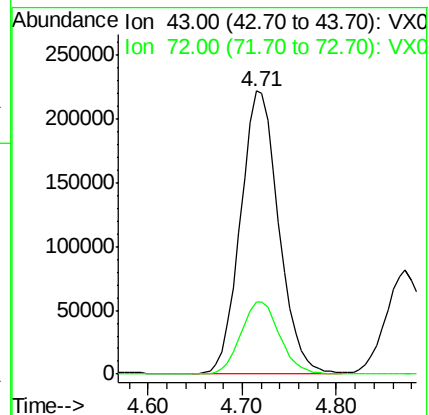
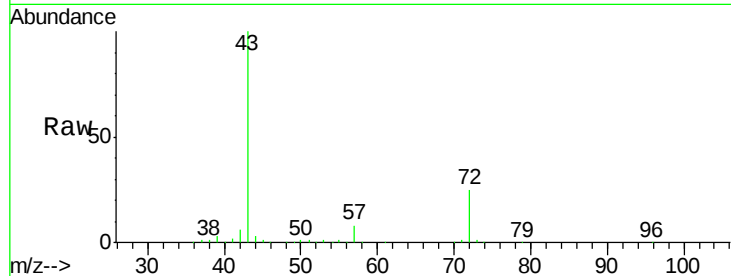
72 25.5 19.8 29.6

Manual Integrations

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MMDadoda

5/21/2018 2:40:38 PM



#26

2,2-Dichloropropane

Concen: 39.00 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001845.D

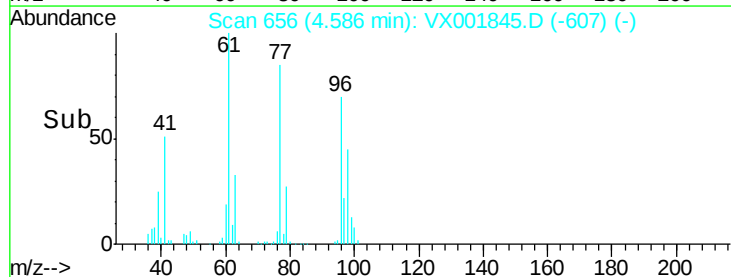
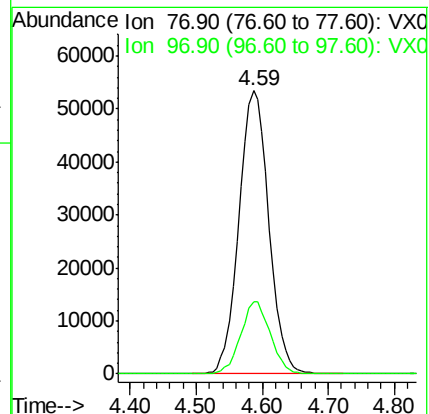
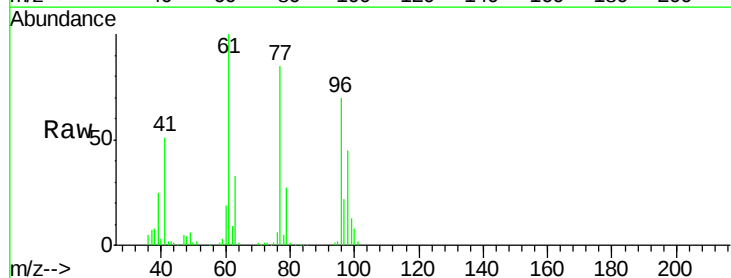
Acq: 19 May 2018 00:14

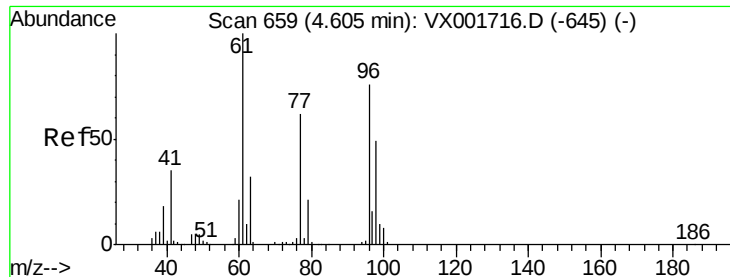
Tgt Ion: 77 Resp: 167510

Ion Ratio Lower Upper

77 100

97 25.2 11.6 34.8





#27

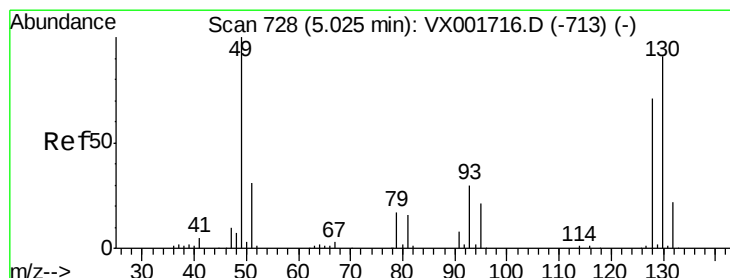
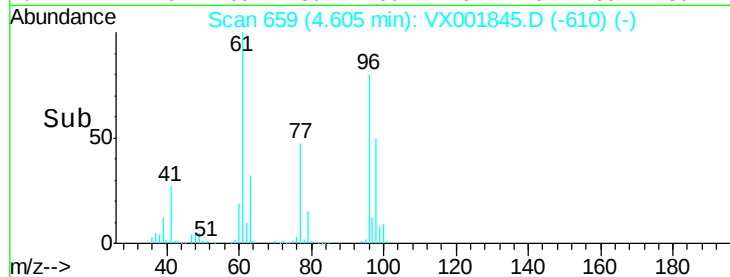
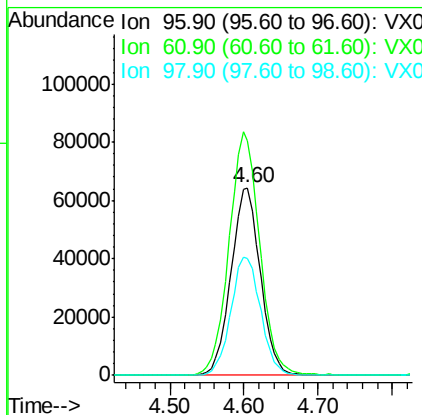
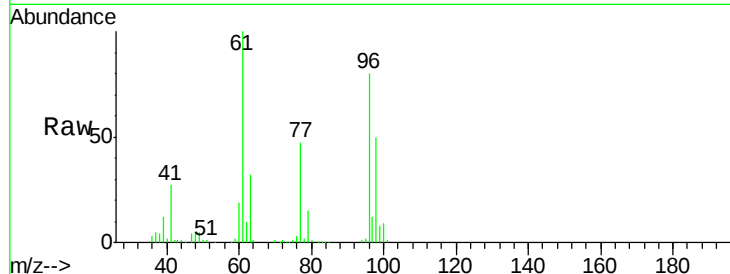
cis-1,2-Dichloroethene
Concen: 51.59 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	177445		
61	136.0	0.0	280.4	
98	64.3	0.0	128.4	

Manual Integrations
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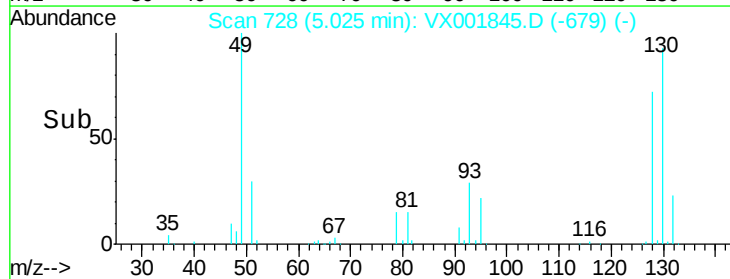
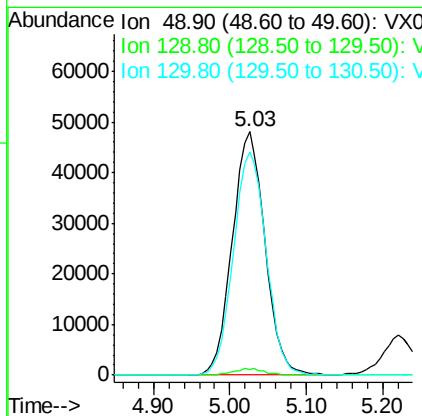
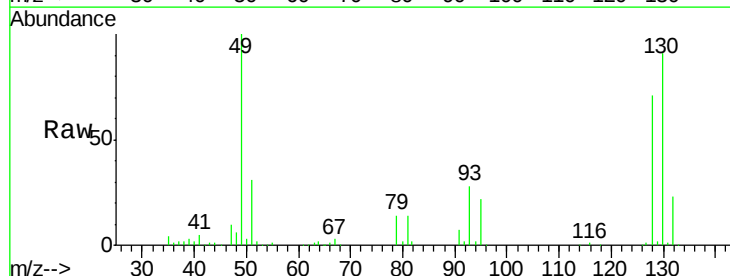
MMDadoda
5/21/2018 2:40:38 PM

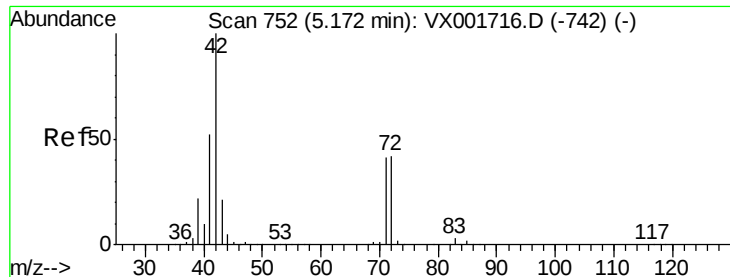


#28

Bromochloromethane
Concen: 60.14 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	142531		
129	2.4	0.0	5.0	
130	91.8	71.8	107.6	





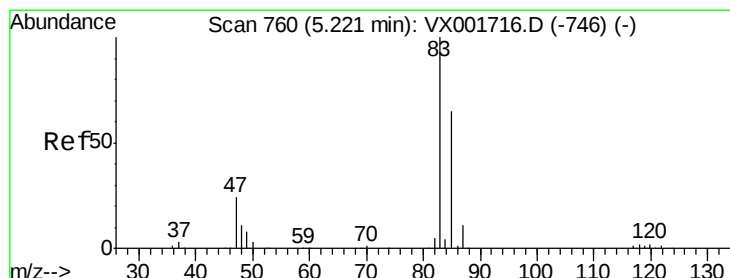
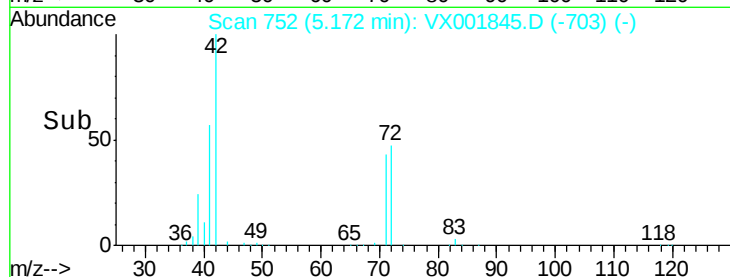
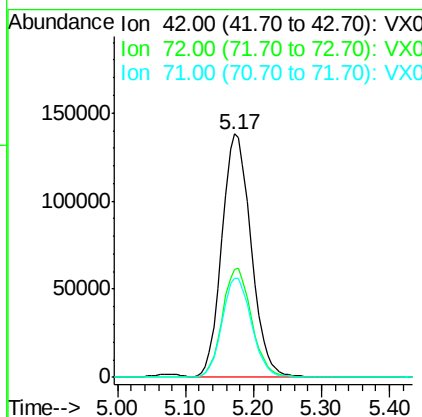
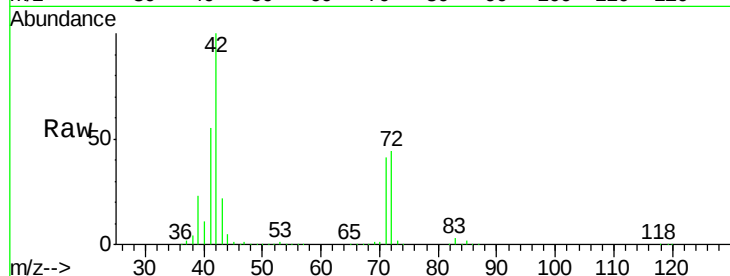
#29
Tetrahydrofuran
Concen: 281.58 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.4	53.2
71	41.3	33.2	49.8

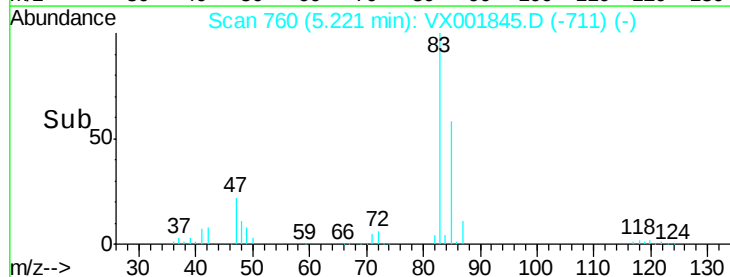
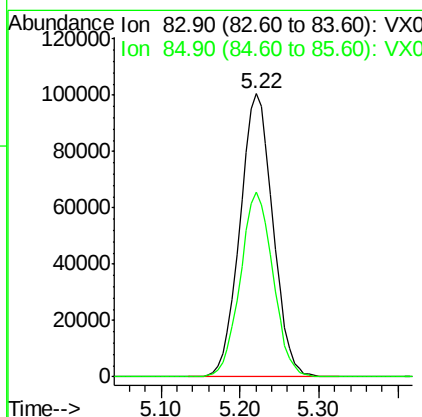
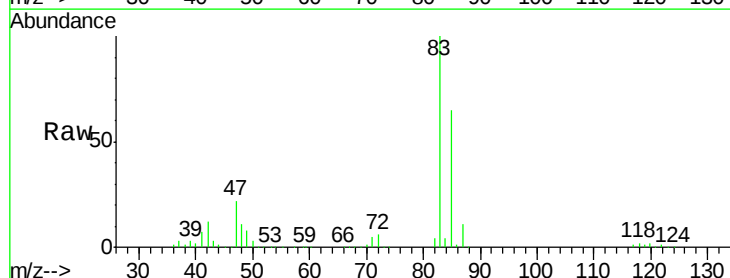
Manual Integrations
APPROVED

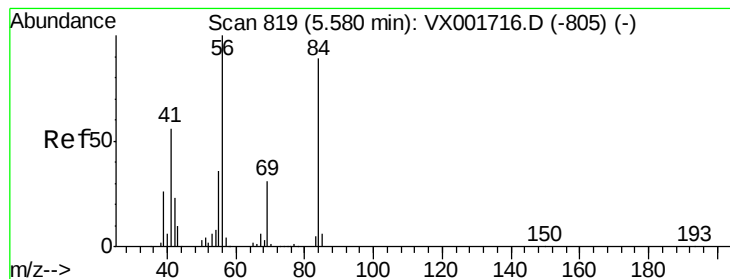
MMDadoda
5/21/2018 2:40:38 PM



#30
Chloroform
Concen: 52.11 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.3	78.5





#31

Cyclohexane

Concen: 52.11 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

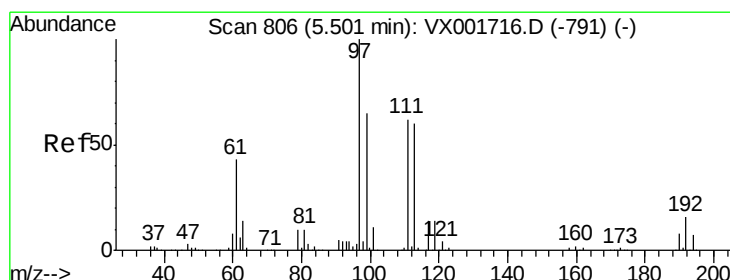
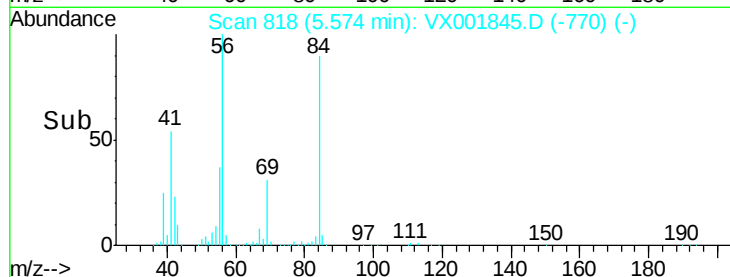
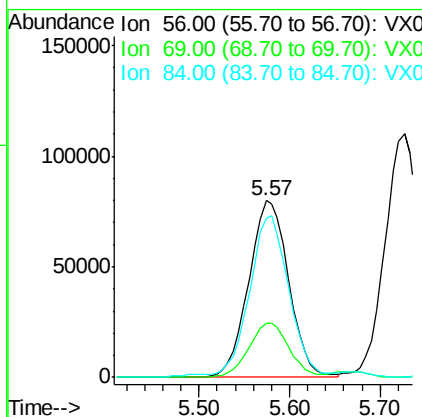
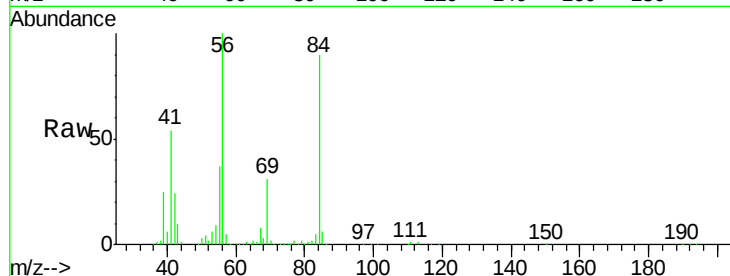
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	243706
Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.0	37.6
84	88.6	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.81 ug/l

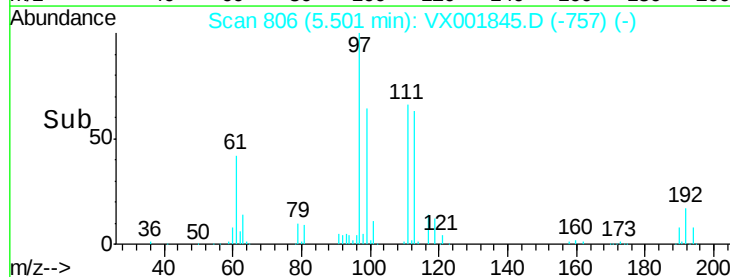
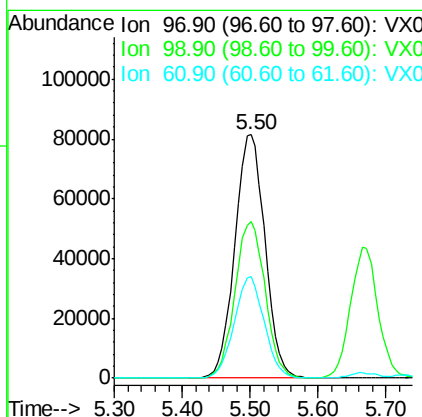
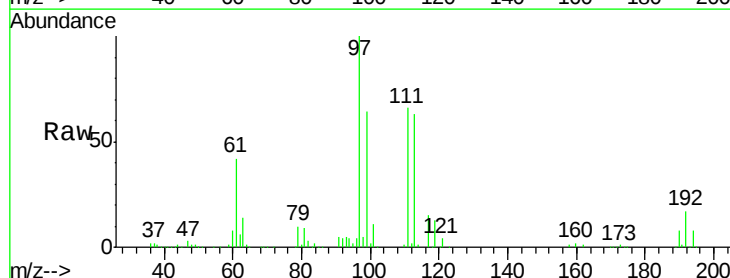
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Tgt Ion:	97	Resp:	250886
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	41.5	34.0	51.0





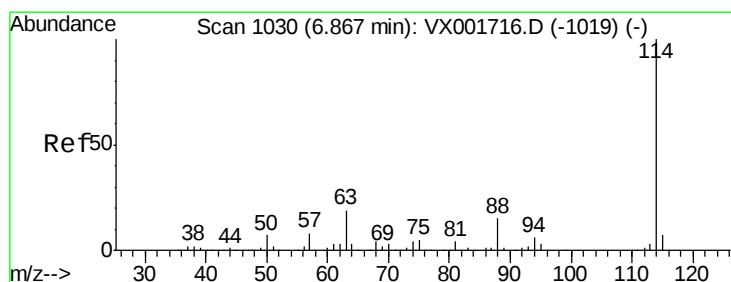
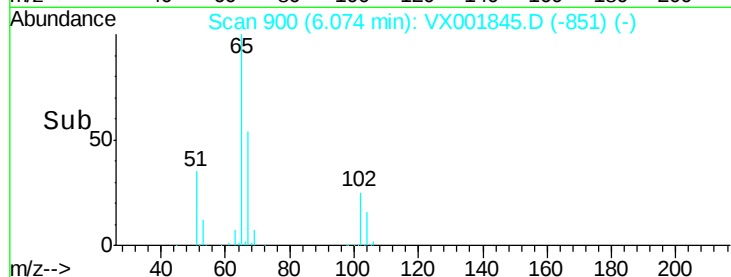
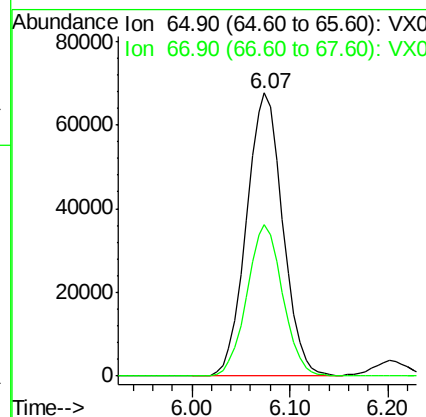
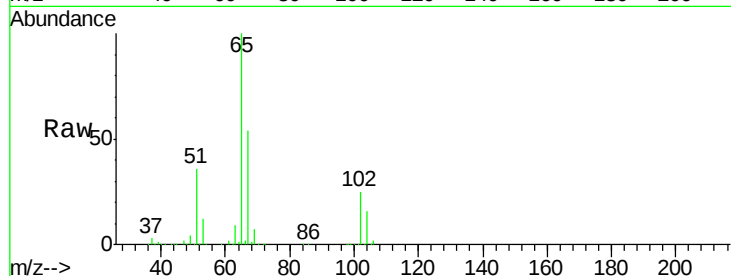
#33
 1,2-Dichloroethane-d4
 Concen: 46.96 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	174712		
67	52.8	0.0	102.8	

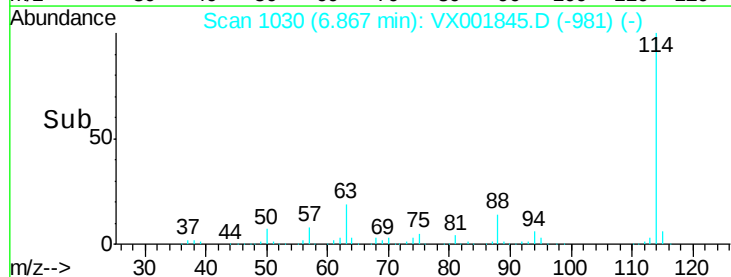
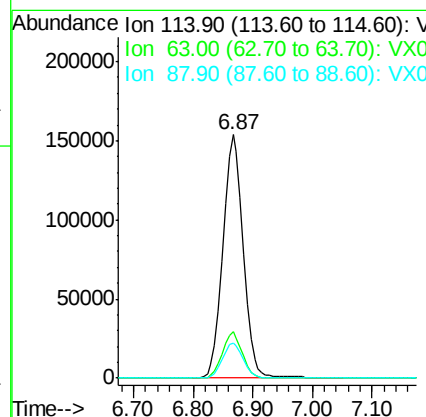
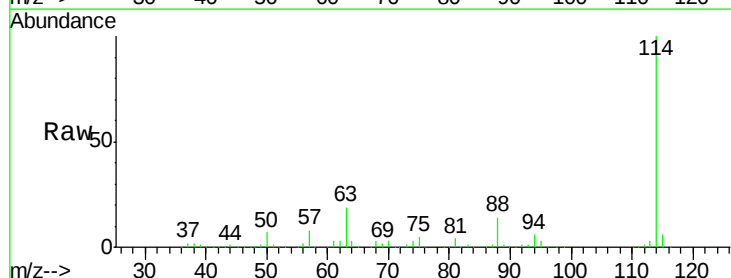
Manual Integrations
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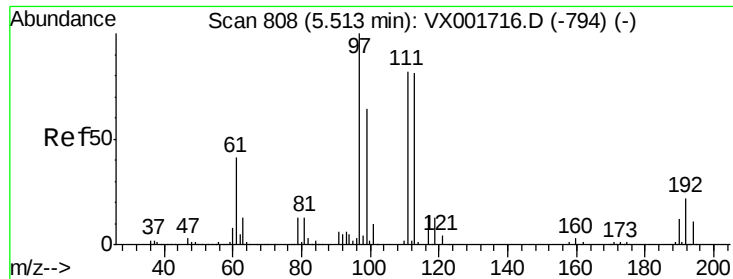
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	365017		
63	19.1	0.0	37.0	
88	14.5	0.0	29.8	





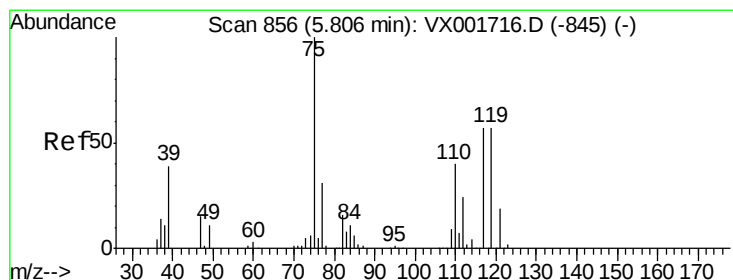
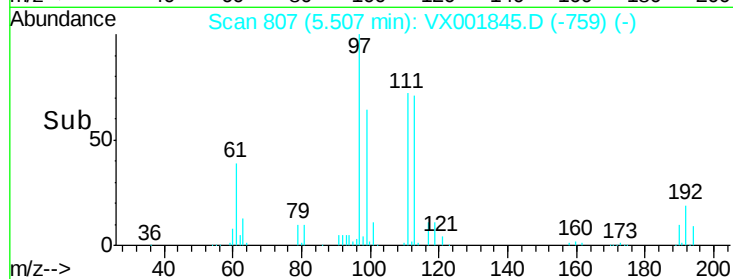
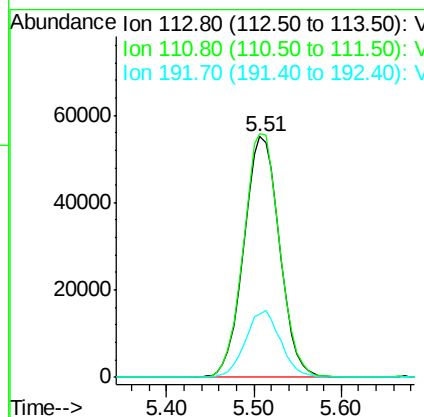
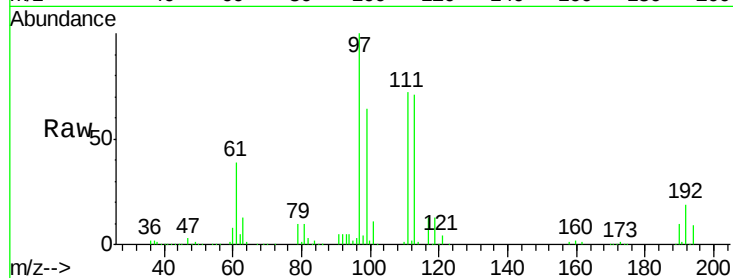
#35
 Dibromofluoromethane
 Concen: 50.82 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	156539		
111	102.3	82.0	123.0	
192	27.3	21.6	32.4	

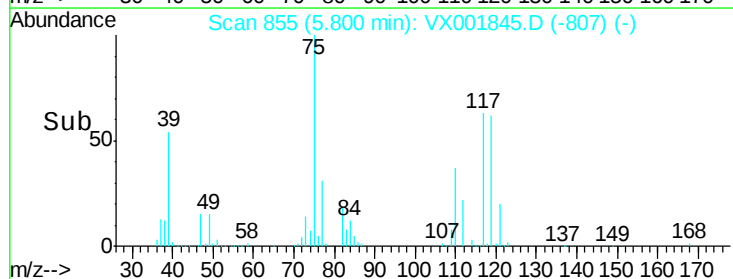
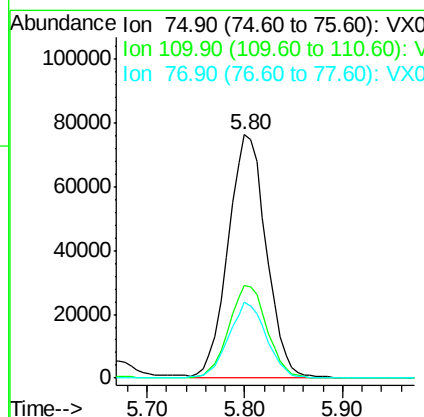
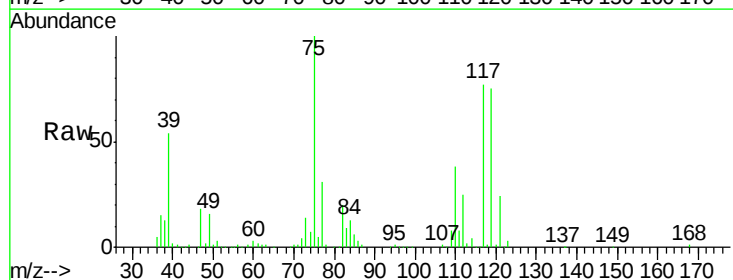
Manual Integrations
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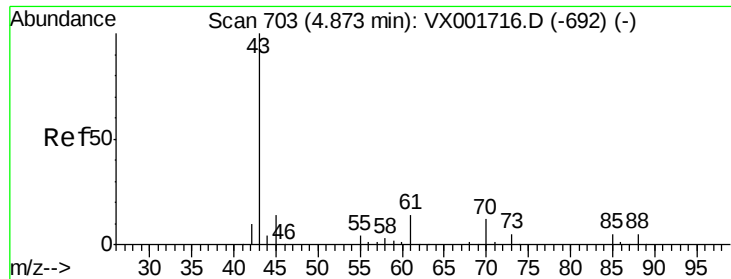
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#36
 1,1-Dichloropropene
 Concen: 48.91 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	205504		
110	38.6	19.1	57.1	
77	30.5	24.6	37.0	





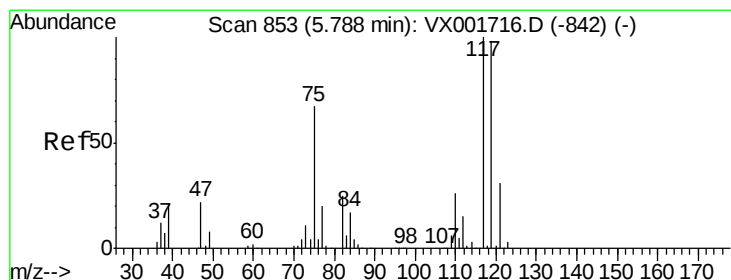
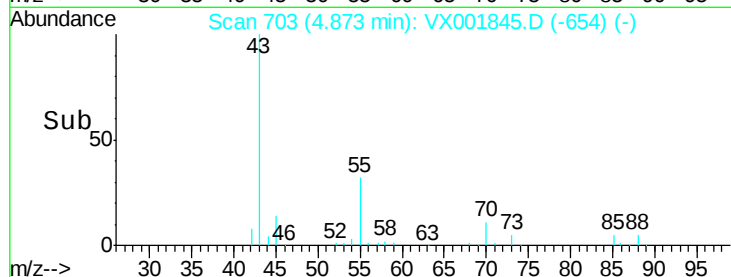
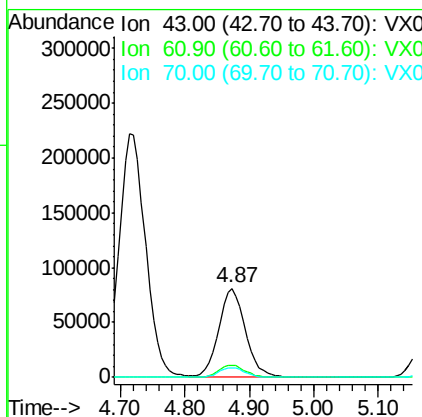
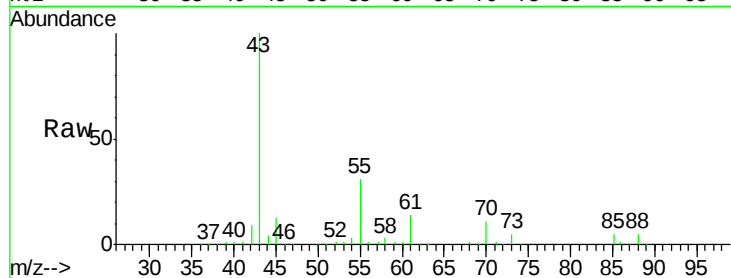
#37
Ethyl Acetate
Concen: 54.02 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	10.8	8.8	13.2

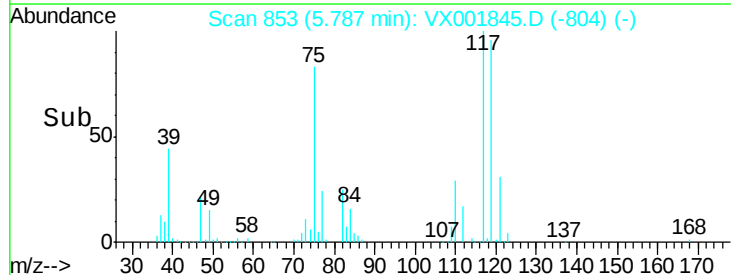
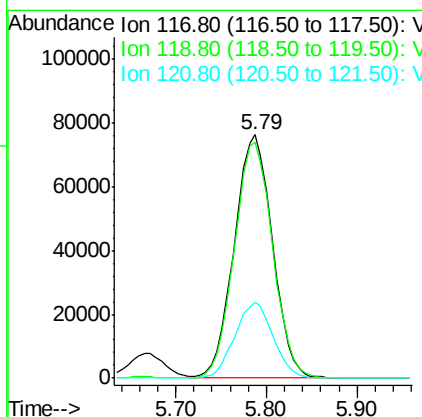
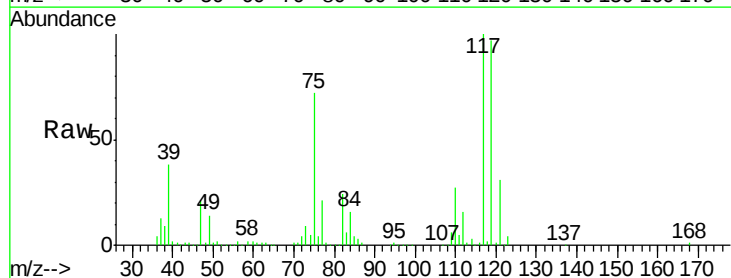
Manual Integrations
APPROVED

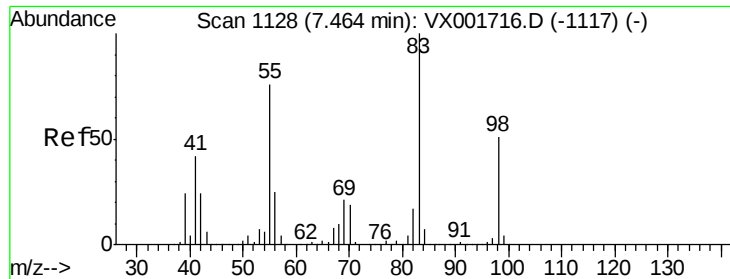
MMDadoda
5/21/2018 2:40:38 PM



#38
Carbon Tetrachloride
Concen: 50.56 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.6	116.4
121	31.2	24.6	36.8





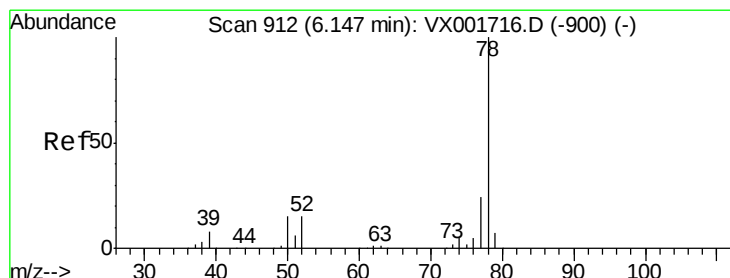
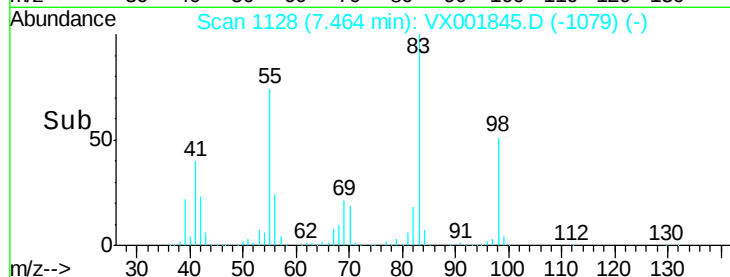
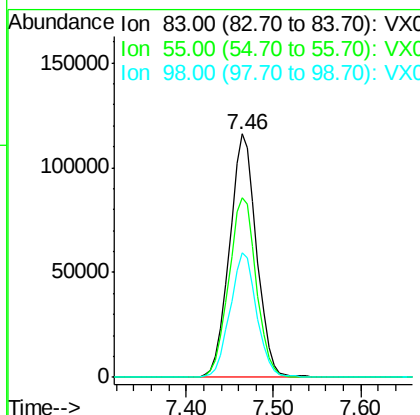
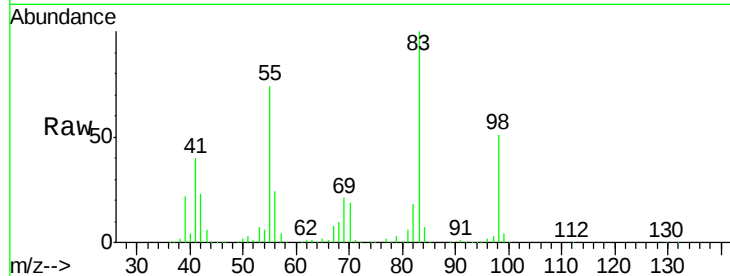
#39
Methvlcvclohexane
Concen: 50.72 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	60.6	90.8
98	51.1	40.4	60.6

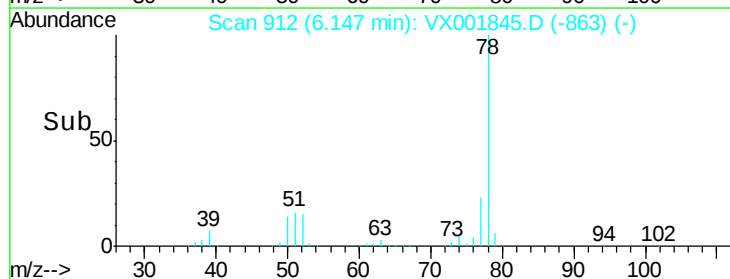
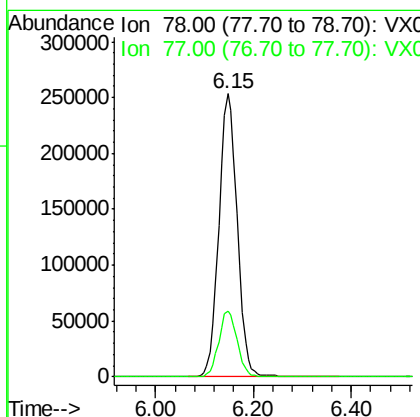
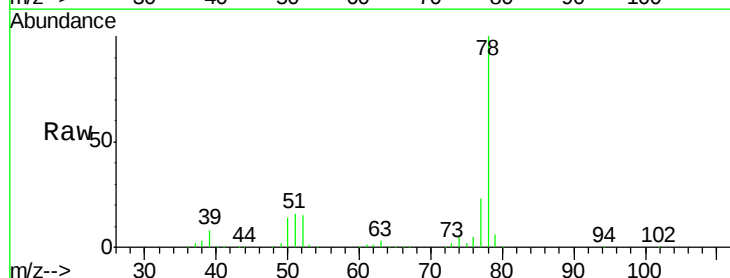
Manual Integrations
APPROVED

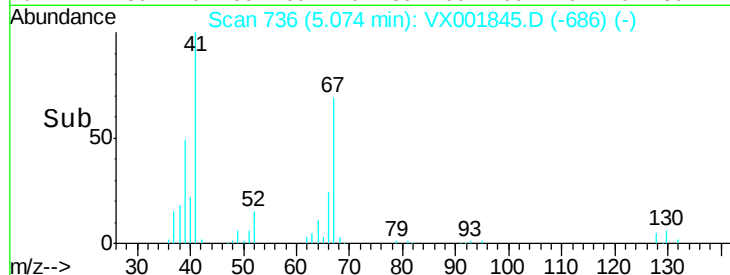
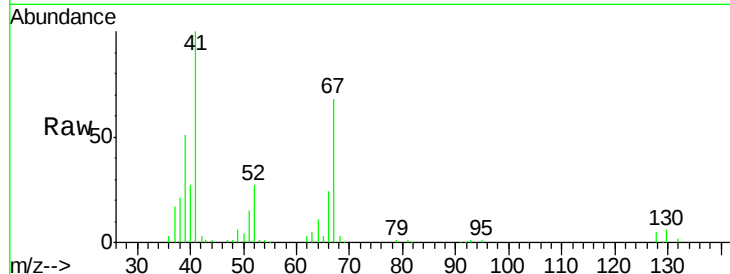
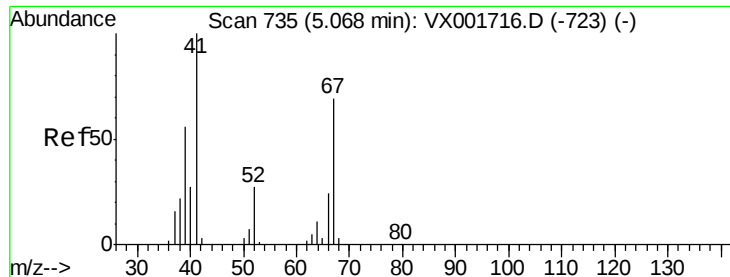
MMDadoda
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#40
Benzene
Concen: 53.19 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





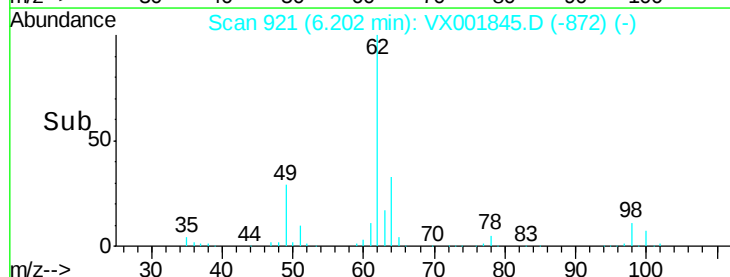
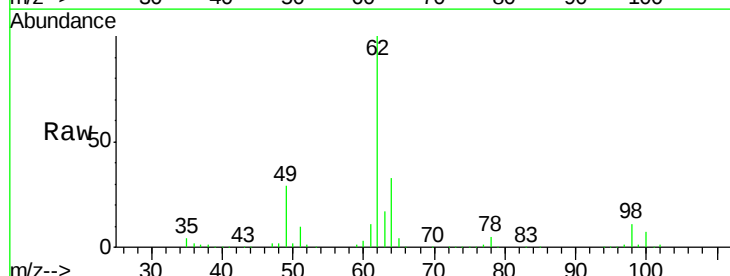
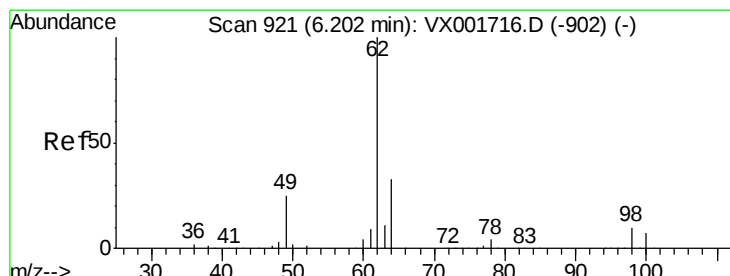
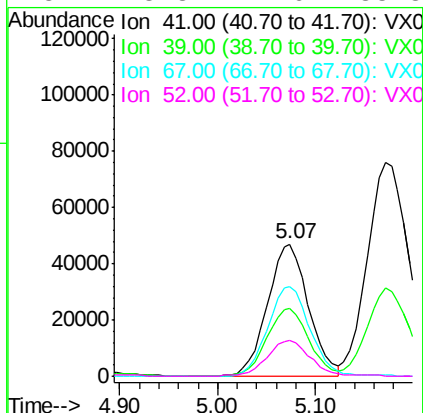
#41
Methacrylonitrile
Concen: 54.04 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	44.2	66.4
67	70.7	56.0	84.0
52	28.3	22.6	33.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

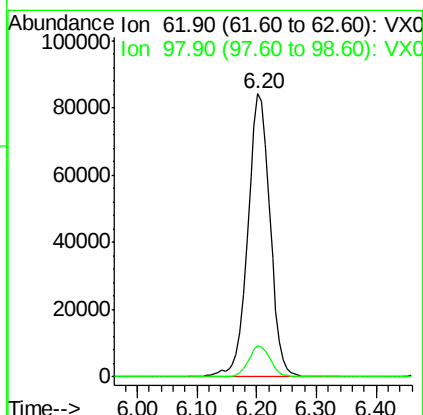
Manual Integrations
APPROVED

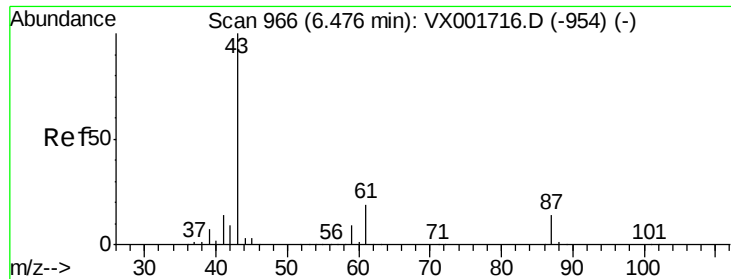
MMDadoda
5/21/2018 2:40:38 PM



#42
1,2-Dichloroethane
Concen: 48.90 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.0





#43

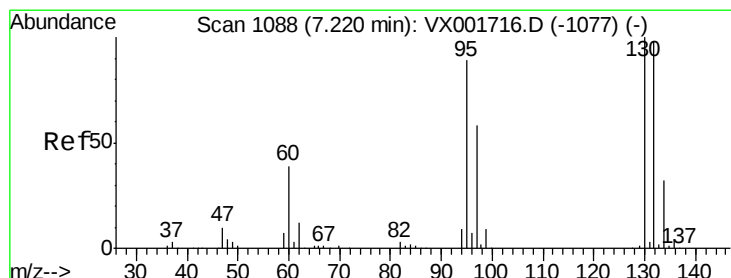
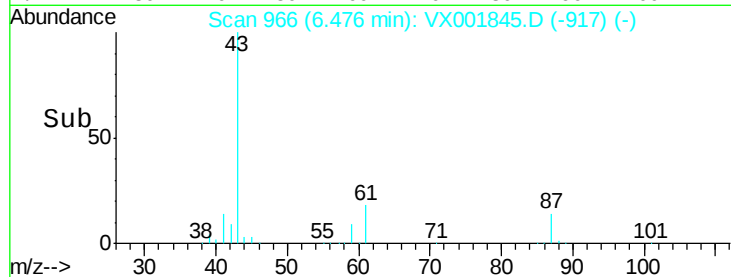
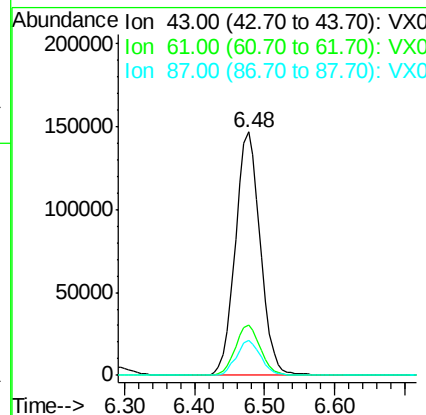
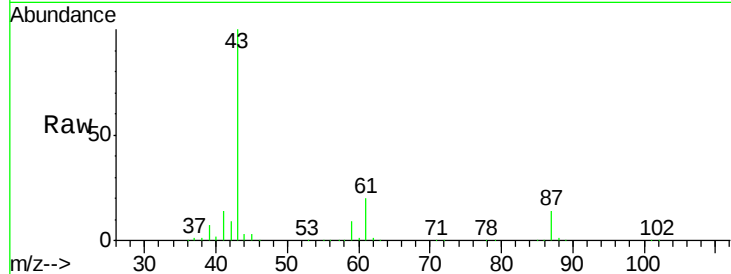
Isopropyl Acetate
 Concen: 52.86 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.8	23.8
87	14.0	11.0	16.4

Manual Integrations
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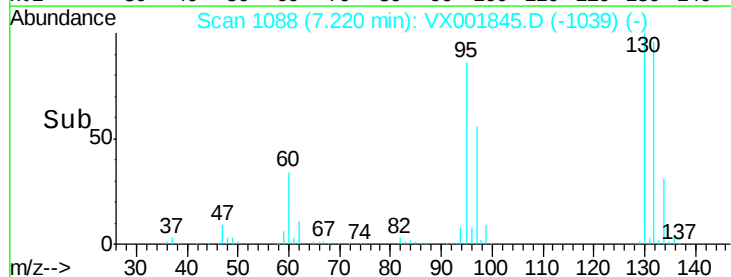
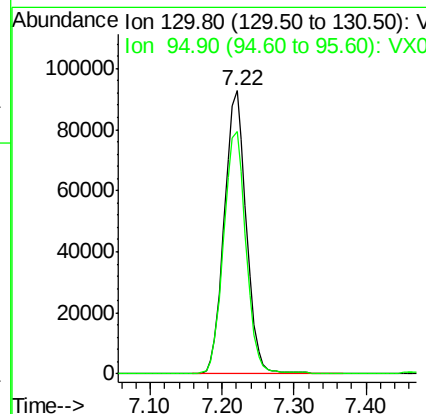
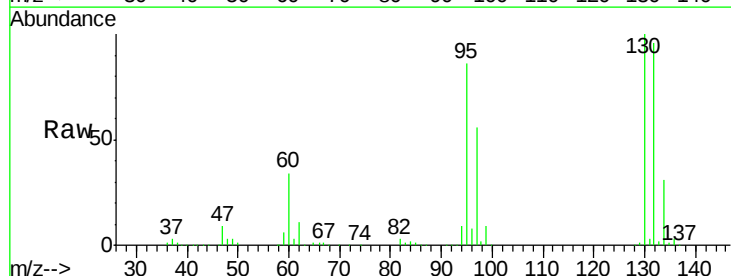
MMDadoda
 5/21/2018 2:40:38 PM

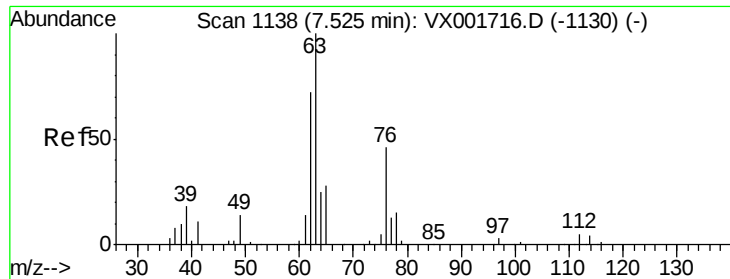


#44

Trichloroethene
 Concen: 51.57 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.6	0.0	177.2





#45

1,2-Dichloropropane

Concen: 55.18 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 167630

Ion Ratio Lower Upper

63 100

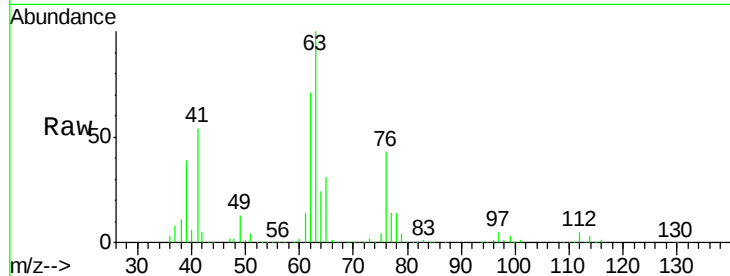
65 31.4 24.2 36.2

Manual Integrations

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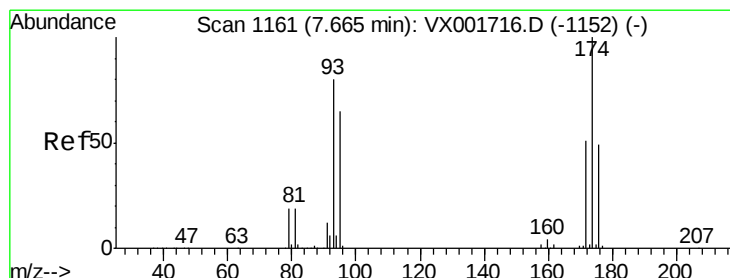
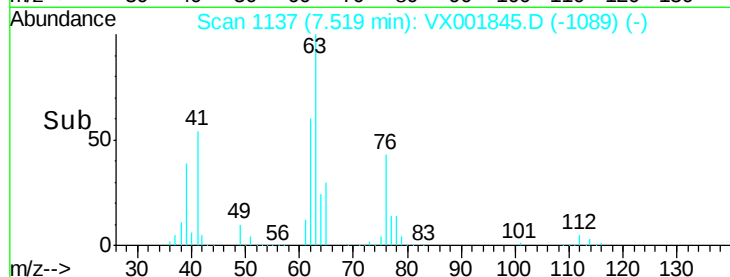
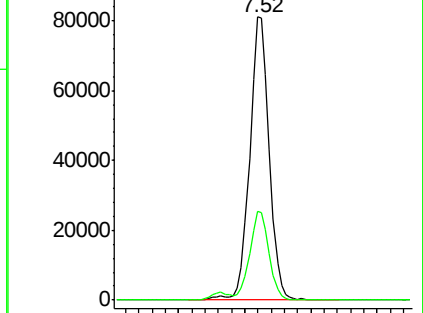
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.66 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

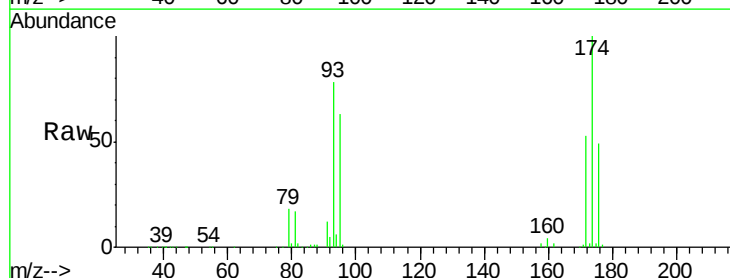
Tgt Ion: 93 Resp: 110207

Ion Ratio Lower Upper

93 100

95 83.0 65.9 98.9

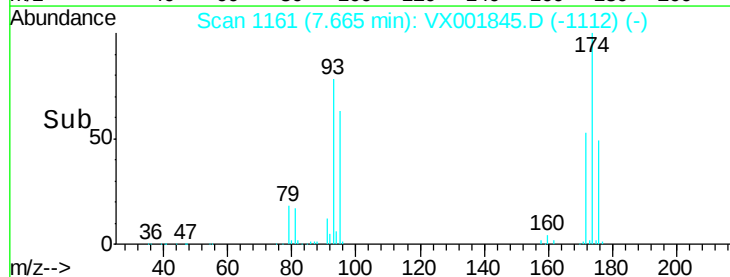
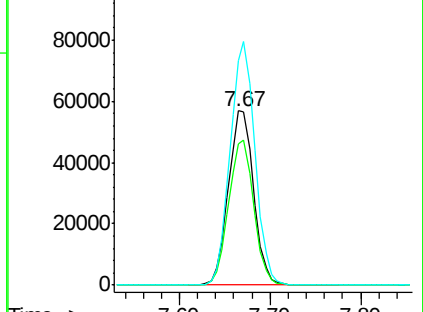
174 136.8 106.2 159.2

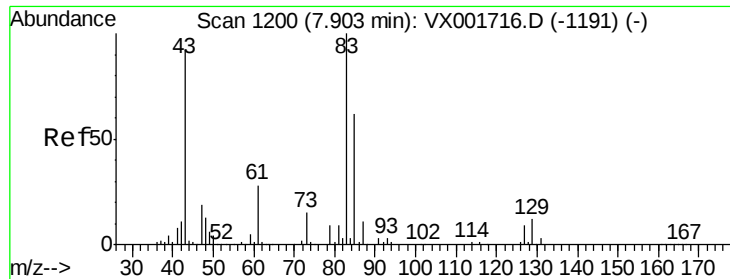


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.11 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

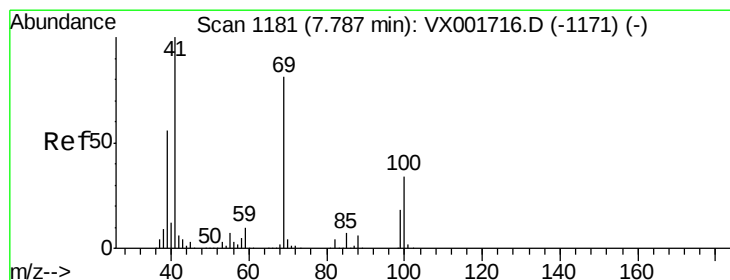
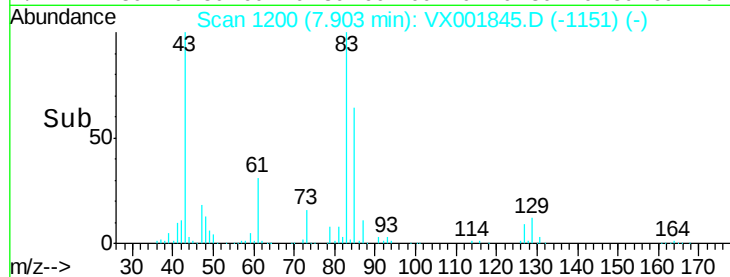
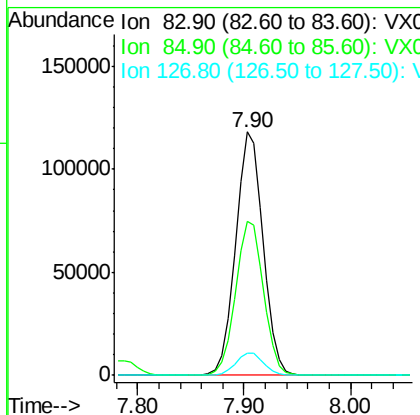
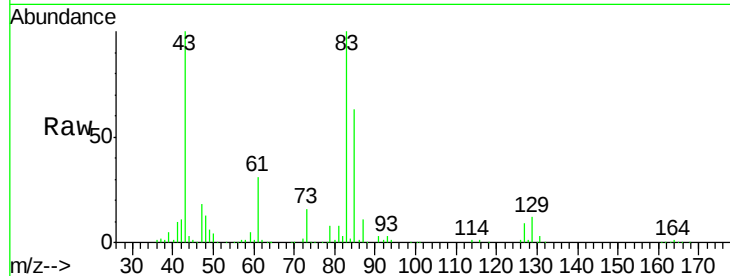
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	214184
Ion Ratio	Lower	Upper	
83	100		
85	63.5	49.6	74.4
127	9.4	7.5	11.3

Manual Integrations
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MMDadoda
5/21/2018 2:40:38 PM



#48

Methyl methacrylate

Concen: 54.29 ug/l

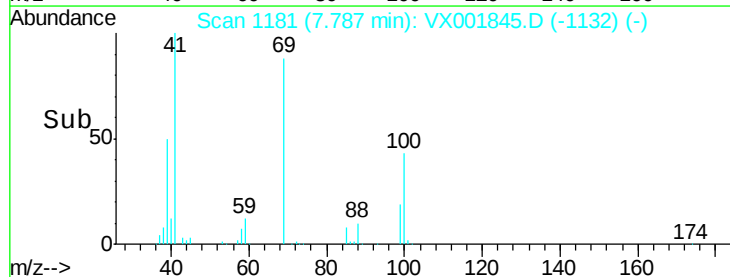
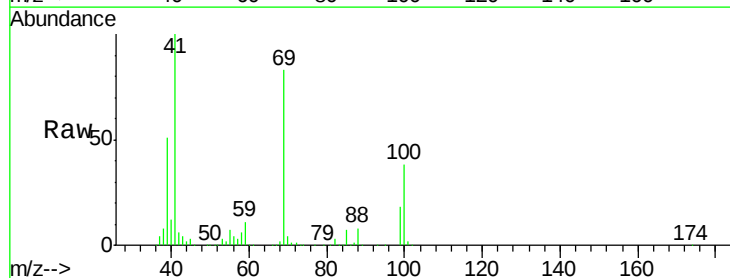
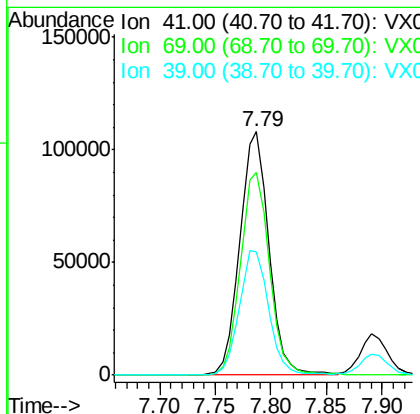
RT: 7.79 min Scan# 1181

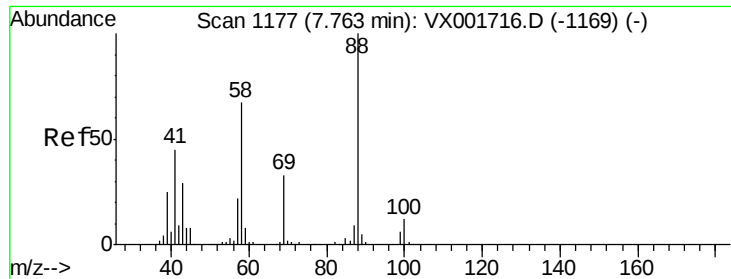
Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Tgt Ion:	41	Resp:	195845
Ion Ratio	Lower	Upper	
41	100		
69	84.0	65.2	97.8
39	51.4	44.5	66.7





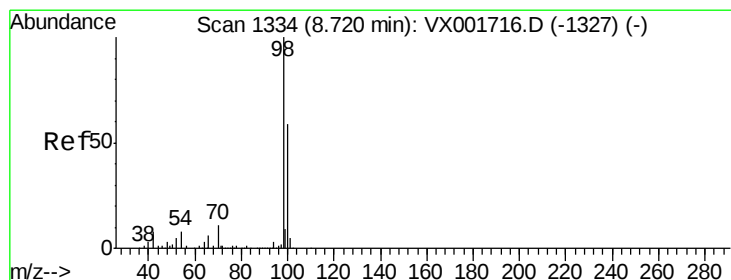
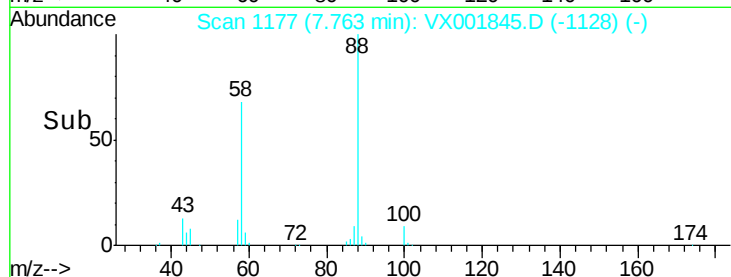
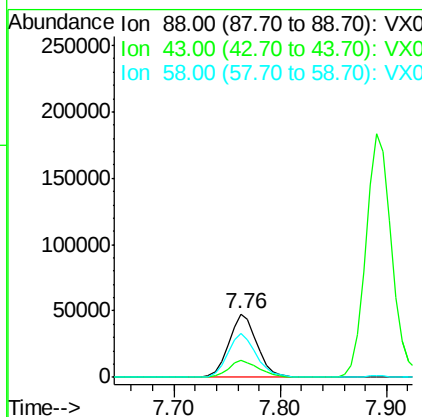
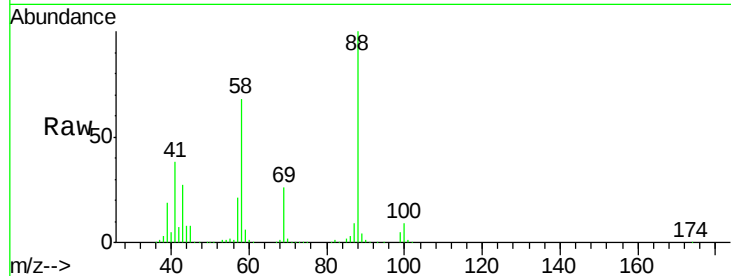
#49
1,4-Dioxane
Concen: 1273.28 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	27.3	40.9
58	69.5	55.9	83.9

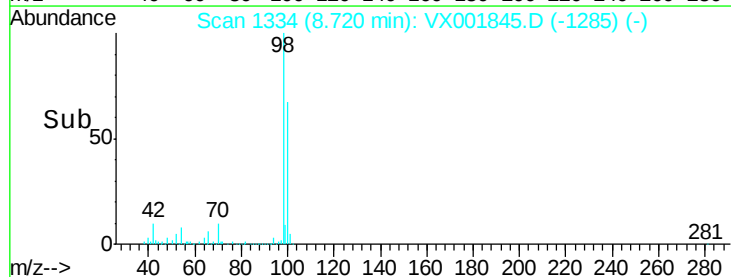
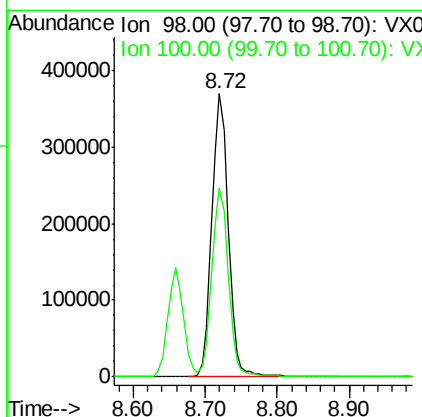
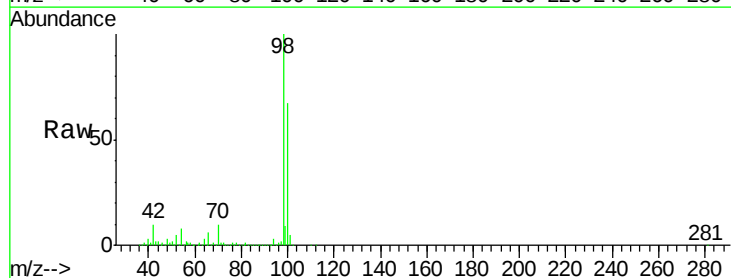
Manual Integrations
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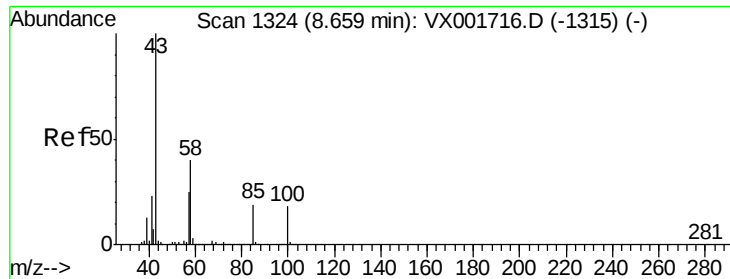
MMDadoda
5/21/2018 2:40:38 PM



#50
Toluene-d8
Concen: 52.96 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	54.0	81.0





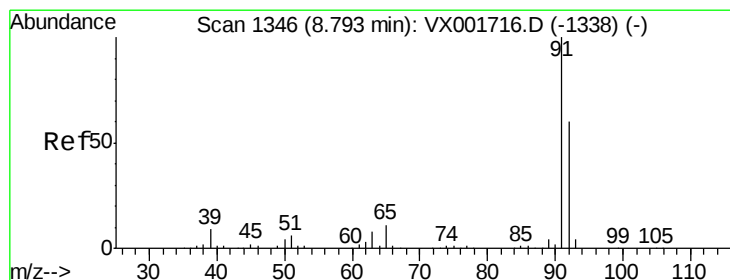
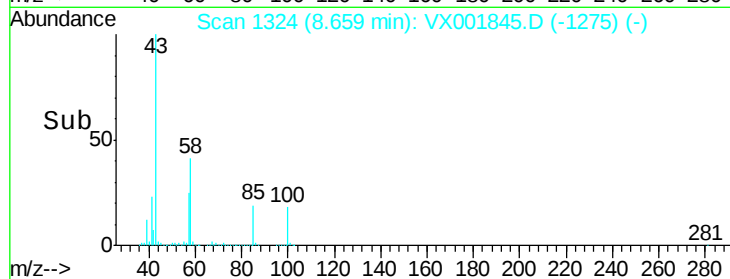
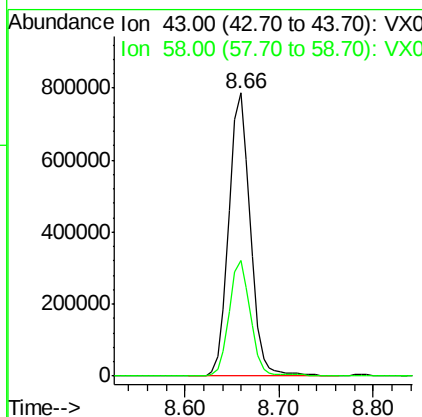
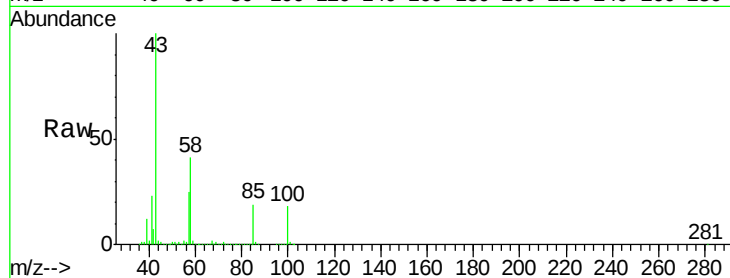
#51
 4-Methyl-2-Pentanone
 Concen: 288.65 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 1253702
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.4 47.0

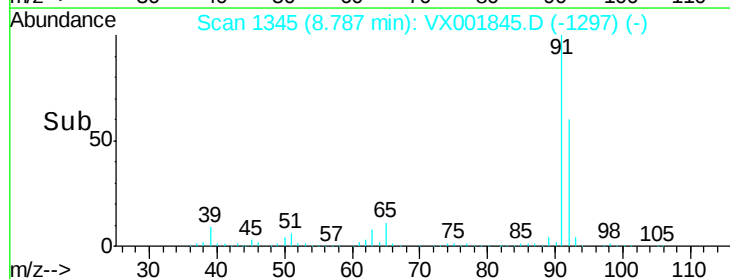
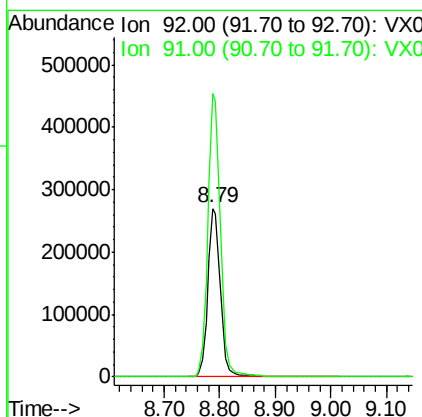
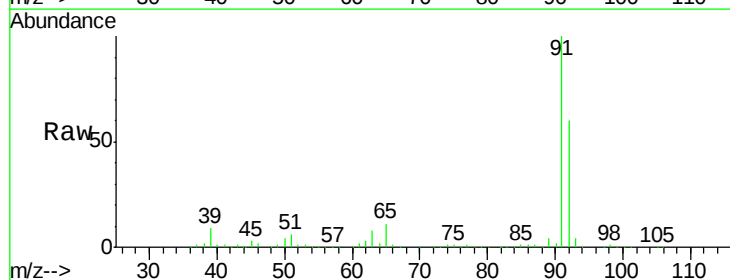
Manual Integrations
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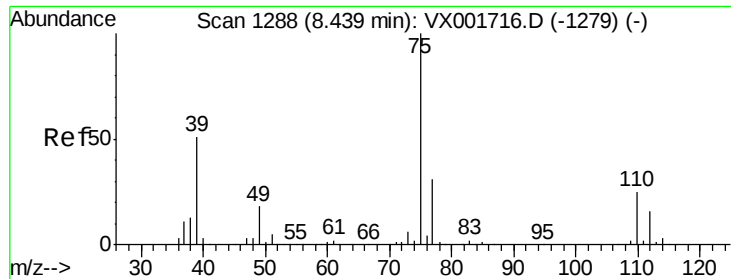
MMDadoda
 5/21/2018 2:40:38 PM



#52
 Toluene
 Concen: 53.93 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion: 92 Resp: 428992
 Ion Ratio Lower Upper
 92 100
 91 168.7 135.5 203.3





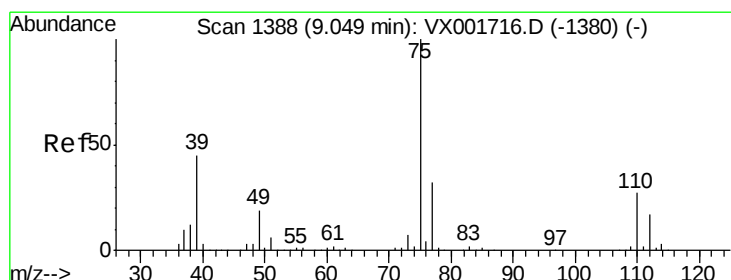
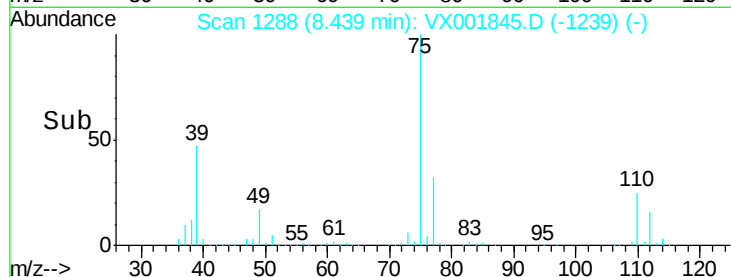
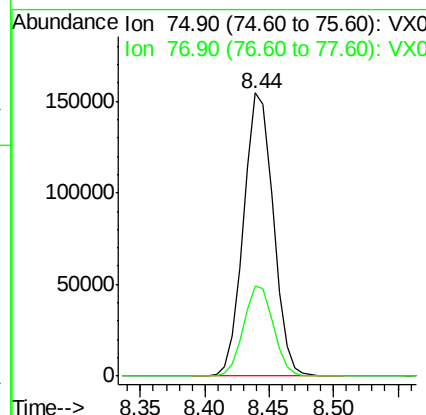
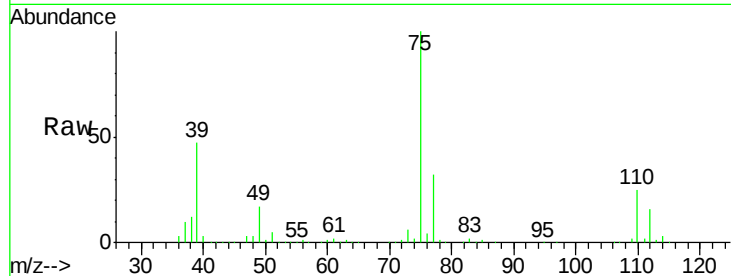
#53
t-1,3-Dichloropropene
Concen: 52.89 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 246311
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6

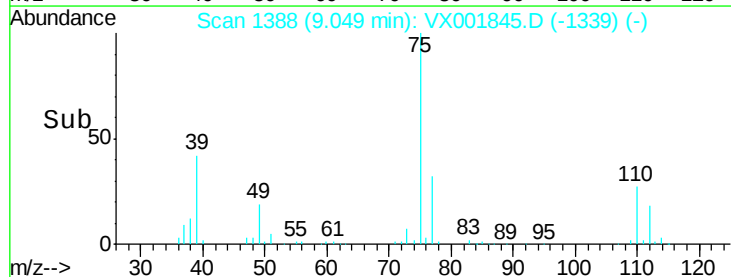
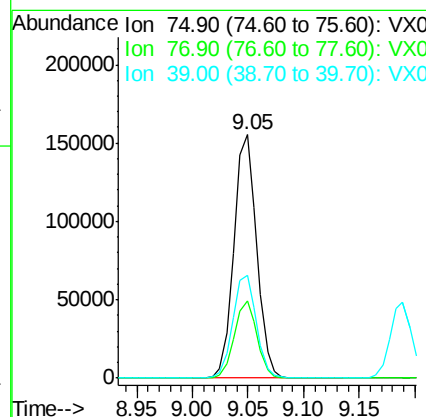
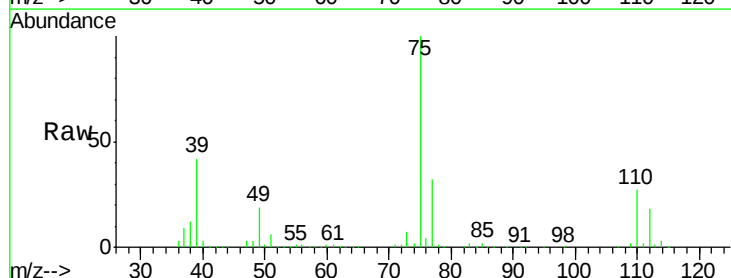
Manual Integrations
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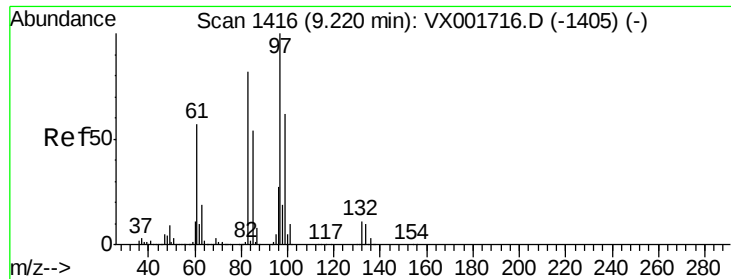
MMDadoda
5/21/2018 2:40:38 PM



#54
cis-1,3-Dichloropropene
Concen: 53.35 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion: 75 Resp: 219030
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
39 42.3 36.1 54.1





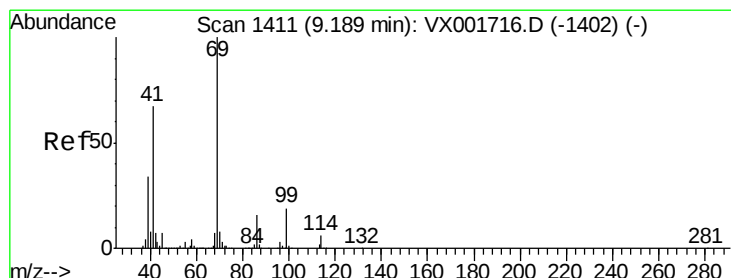
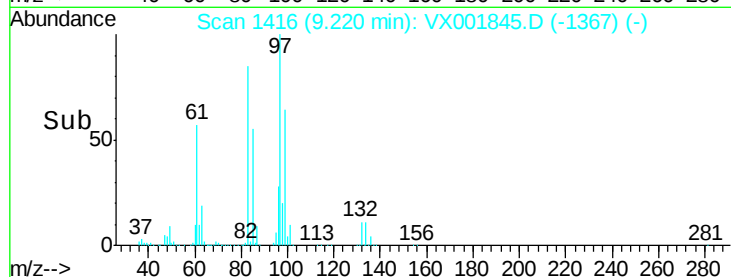
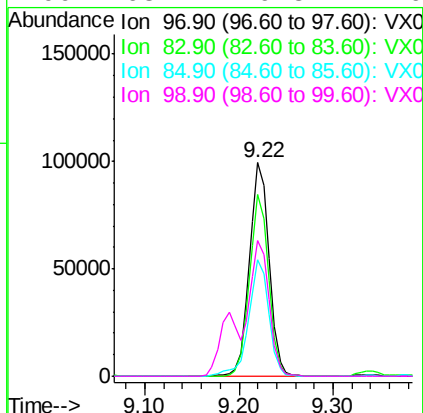
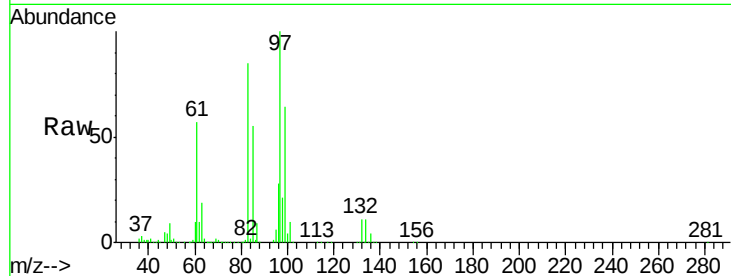
#55
 1,1,2-Trichloroethane
 Concen: 48.04 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		146091		
83	84.9	65.8	98.8		
85	54.6	43.4	65.0		
99	63.7	49.8	74.6		

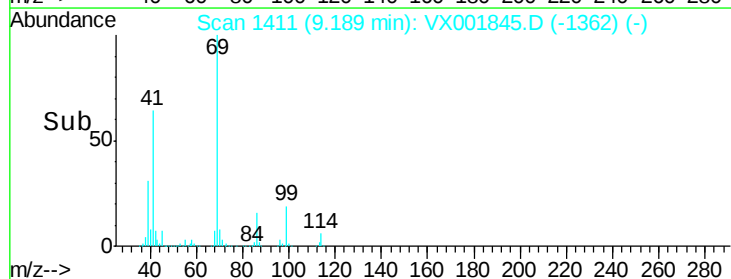
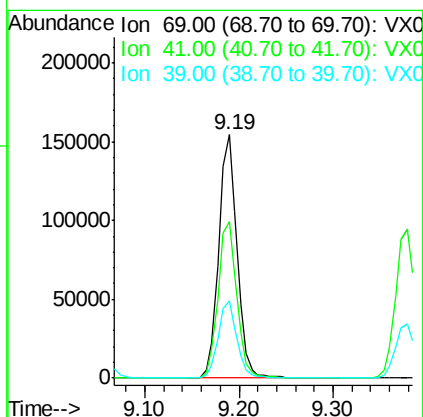
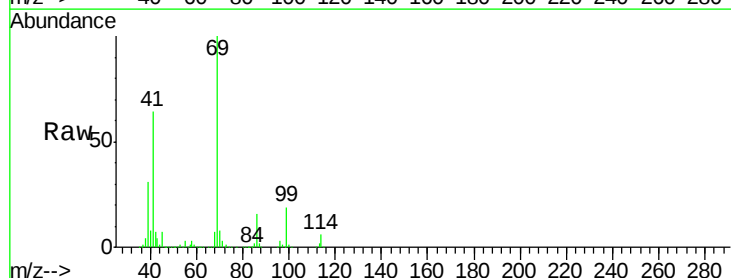
Manual Integrations
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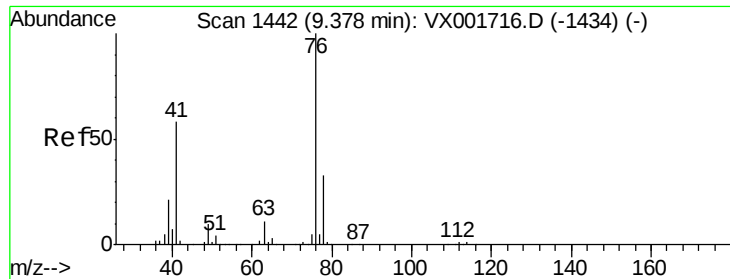
MMDadoda
 5/21/2018 2:40:38 PM



#56
 Ethyl methacrylate
 Concen: 48.48 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		209075		
41	66.0	53.5	80.3		
39	32.0	27.2	40.8		





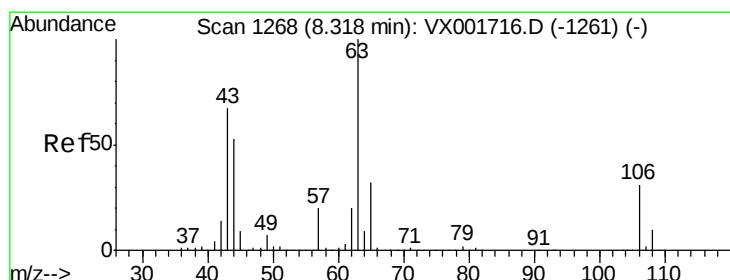
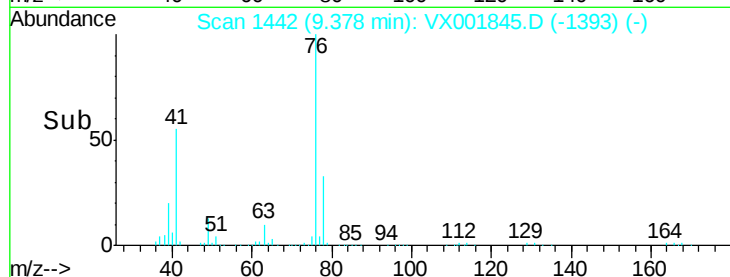
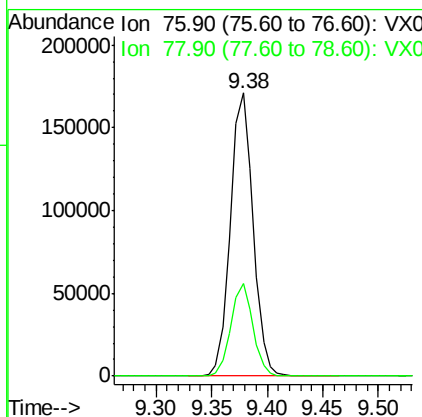
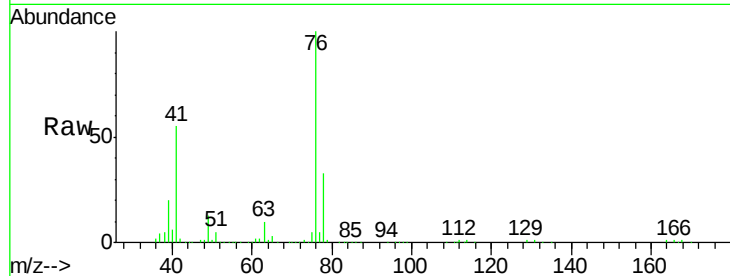
#57
 1,3-Dichloropropane
 Concen: 47.38 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.6

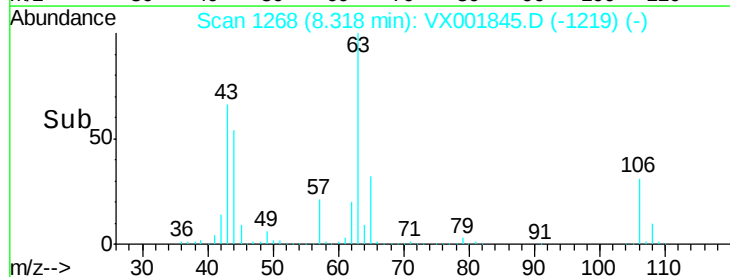
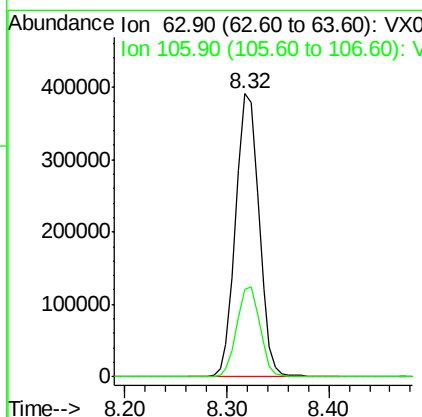
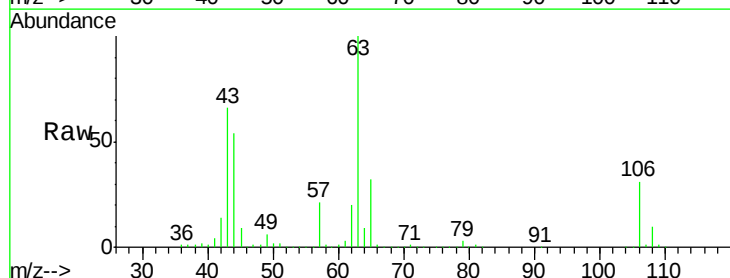
Manual Integrations
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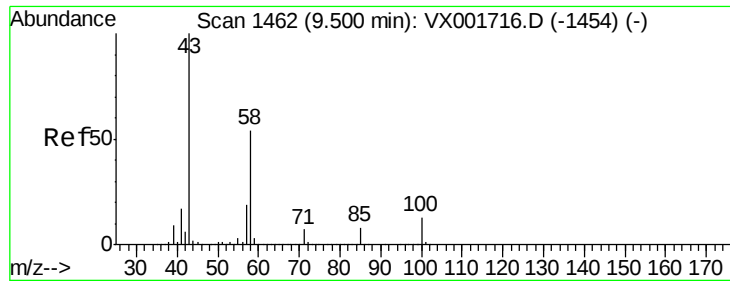
MMDadoda
 5/21/2018 2:40:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.26 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.7	25.1	37.7





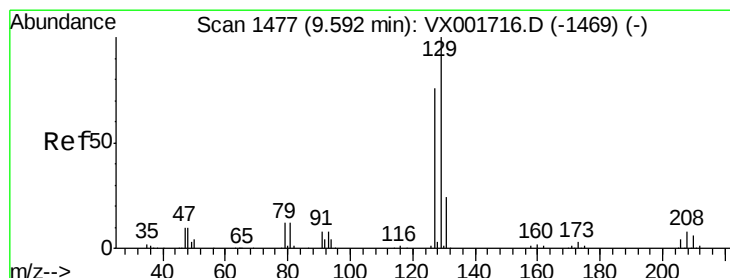
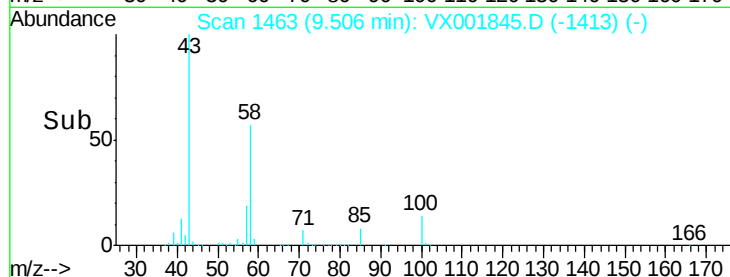
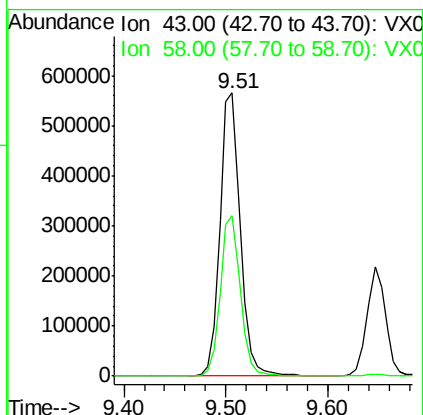
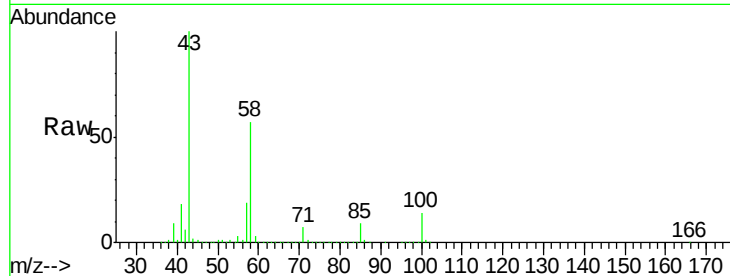
#59
2-Hexanone
Concen: 254.65 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 791745
Ion Ratio Lower Upper
43 100
58 56.1 27.7 83.1

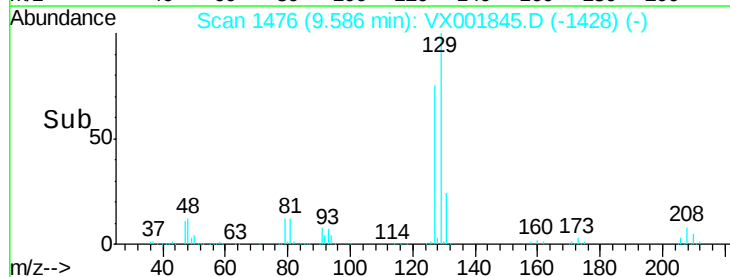
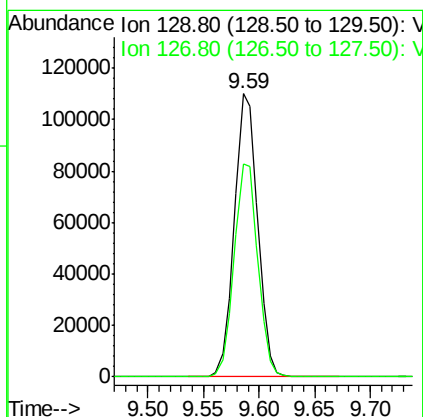
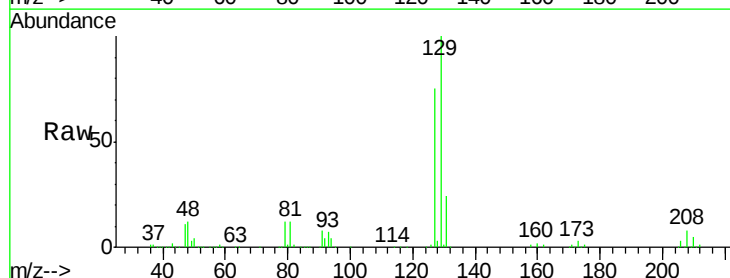
Manual Integrations
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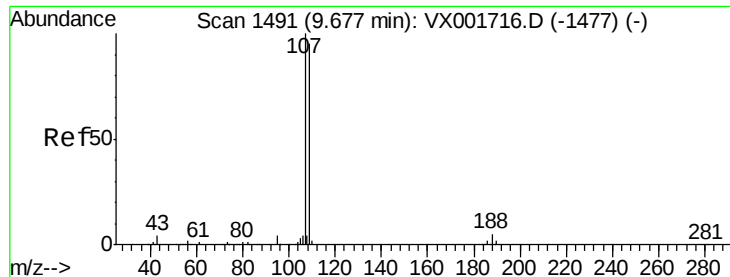
MMDadoda
5/21/2018 2:40:38 PM



#60
Dibromochloromethane
Concen: 51.23 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion: 129 Resp: 159509
Ion Ratio Lower Upper
129 100
127 76.6 38.7 116.1





#61

1,2-Dibromoethane

Concen: 48.23 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 153523

Ion Ratio Lower Upper

107 100

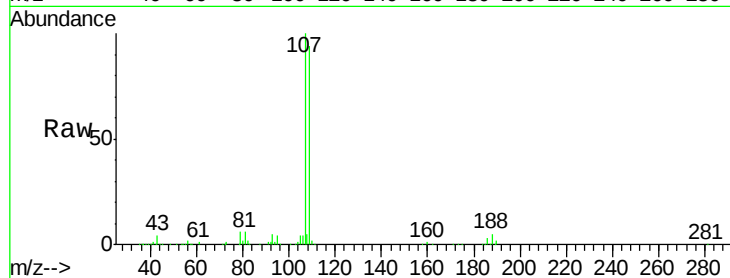
109 94.1 76.2 114.2

Manual Integrations

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MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

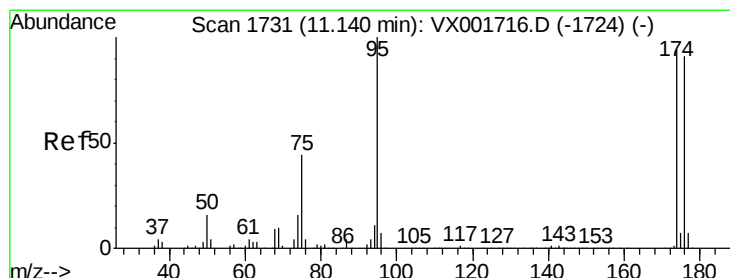
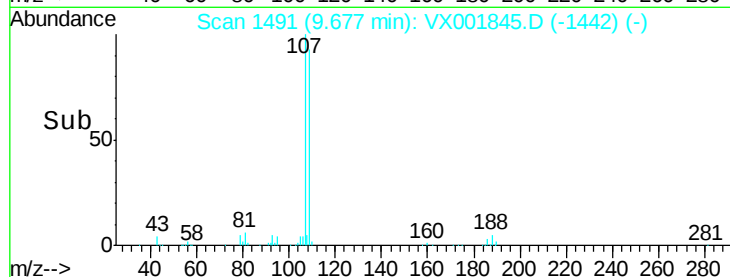
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

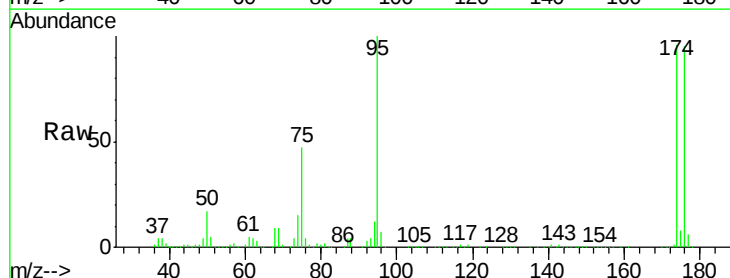
Tgt Ion: 95 Resp: 175555

Ion Ratio Lower Upper

95 100

174 103.1 0.0 201.8

176 100.8 0.0 196.8



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

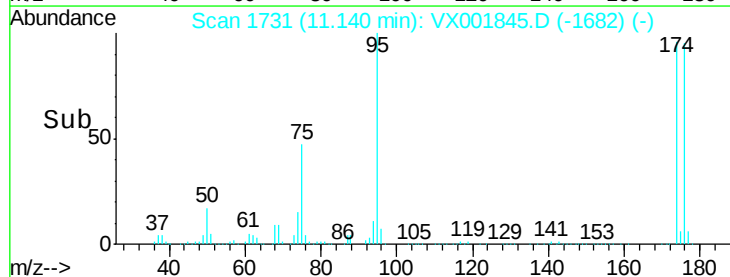
150000

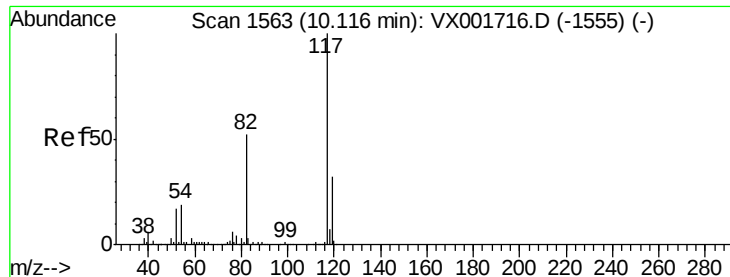
100000

50000

0

Time-->





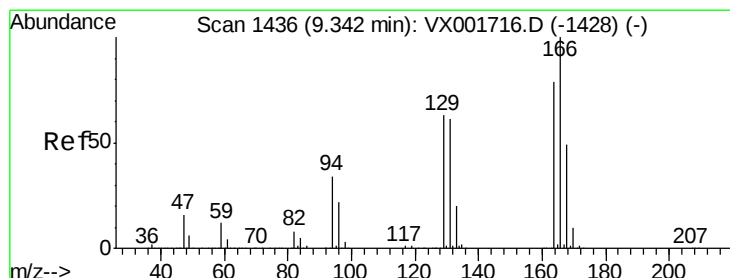
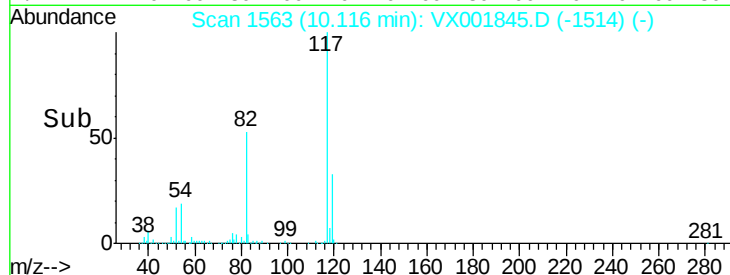
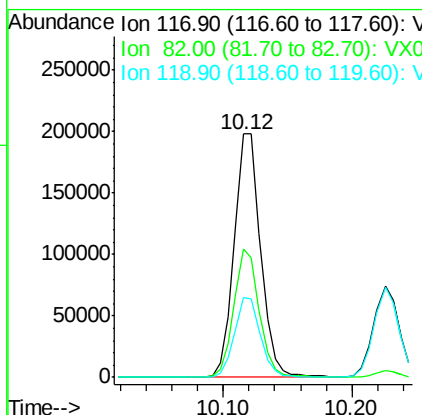
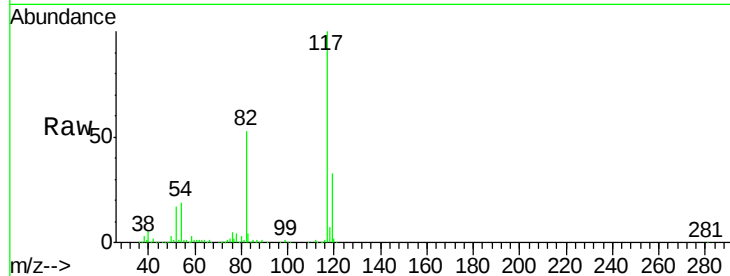
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.4	62.2
119	32.8	25.6	38.4

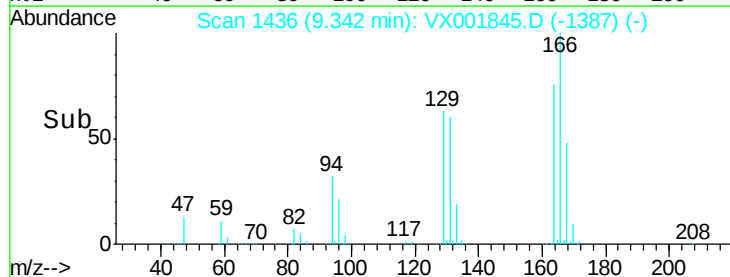
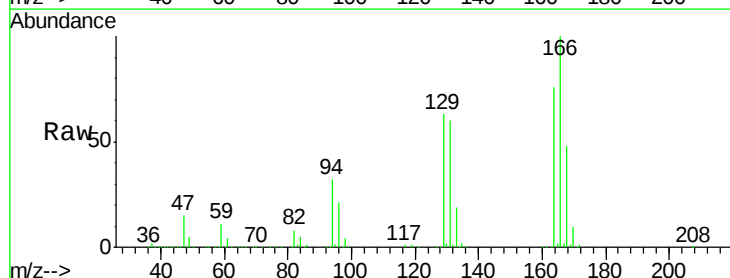
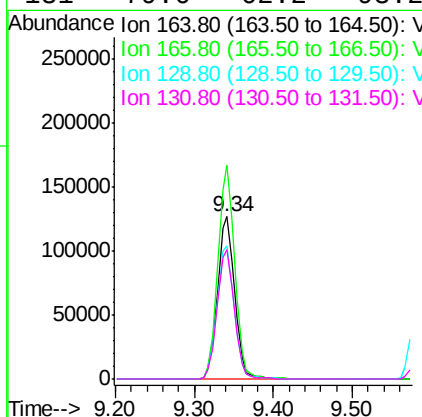
Manual Integrations
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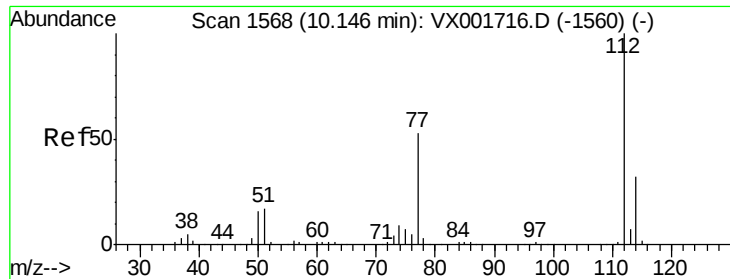
MMDadoda
5/21/2018 2:40:38 PM



#64
Tetrachloroethene
Concen: 51.75 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	101.8	152.8
129	82.5	63.8	95.6
131	79.6	62.2	93.2





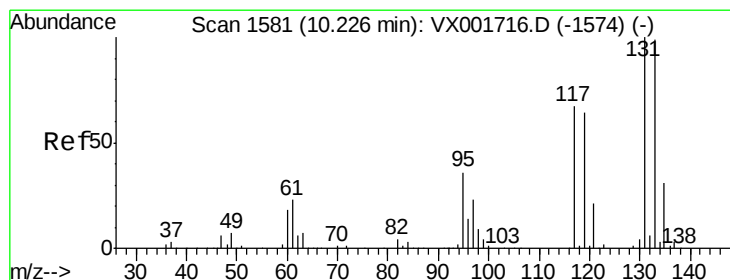
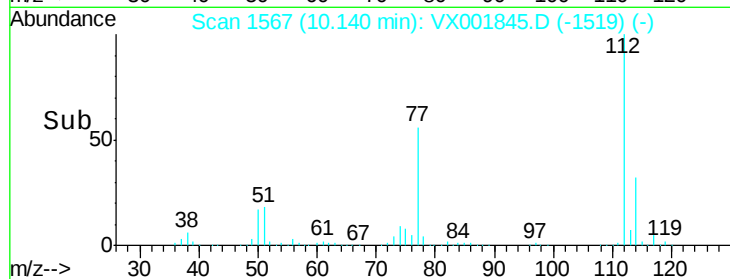
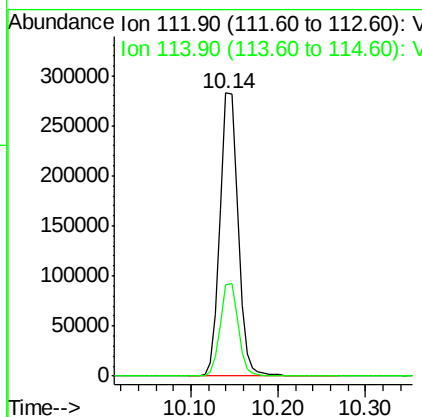
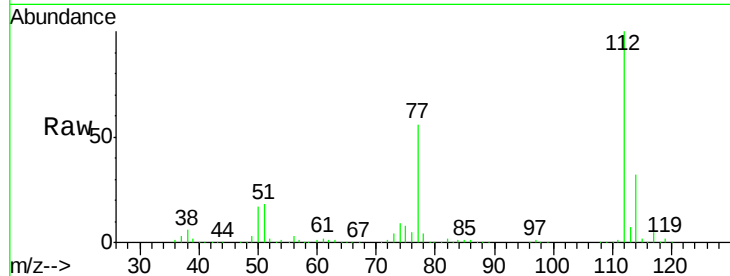
#65
Chlorobenzene
Concen: 51.42 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 403766
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4

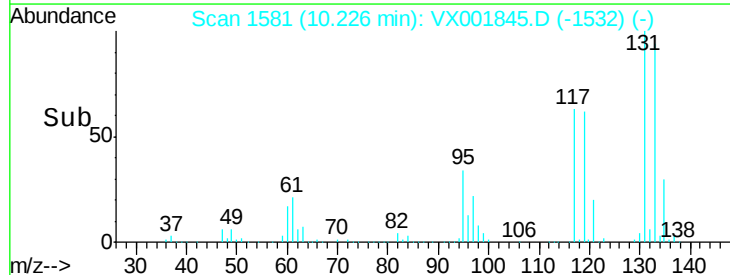
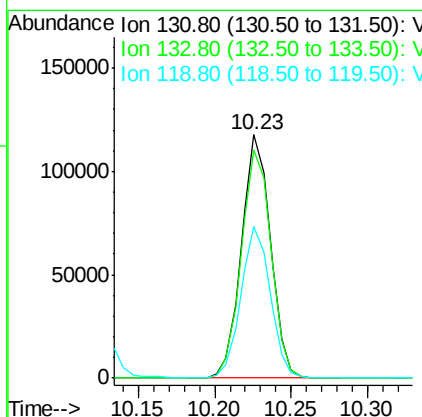
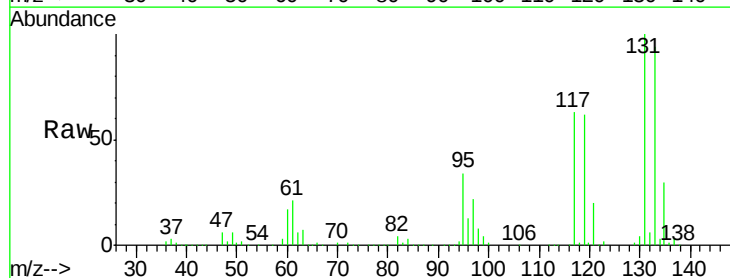
Manual Integrations
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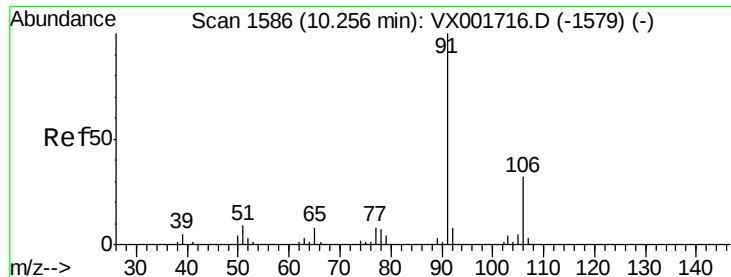
MMDadoda
5/21/2018 2:40:38 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.93 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion:131 Resp: 155141
Ion Ratio Lower Upper
131 100
133 96.1 48.5 145.6
119 62.9 31.9 95.5





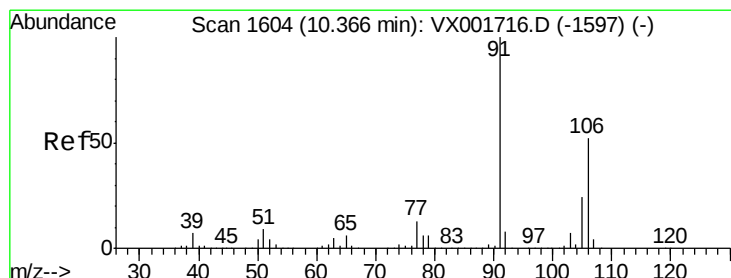
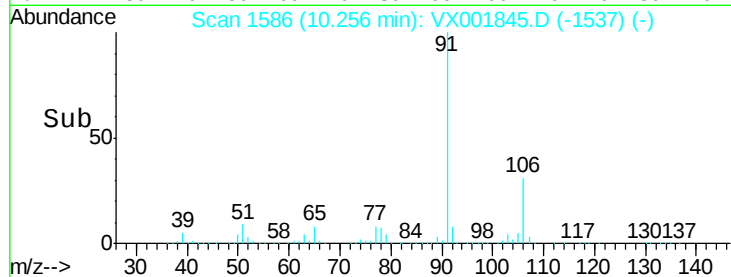
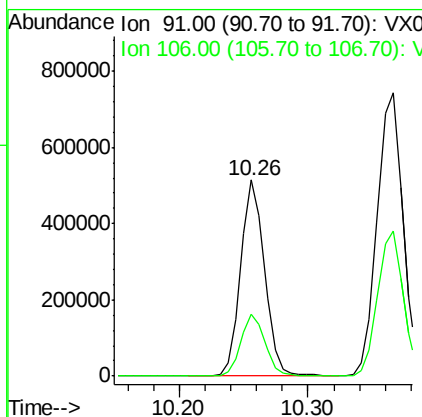
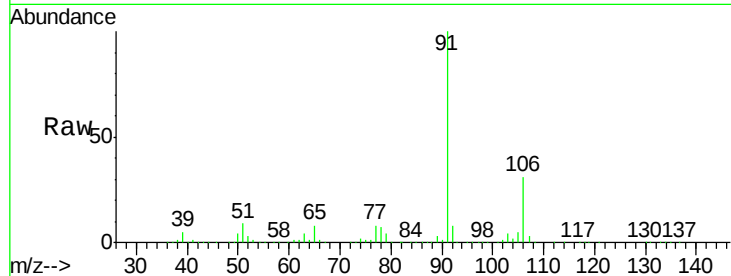
#67
Ethyl Benzene
Concen: 52.92 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 664104
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5

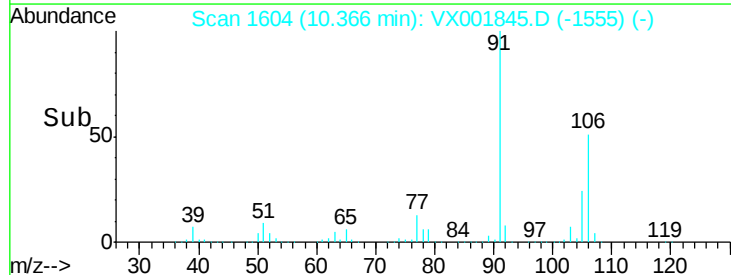
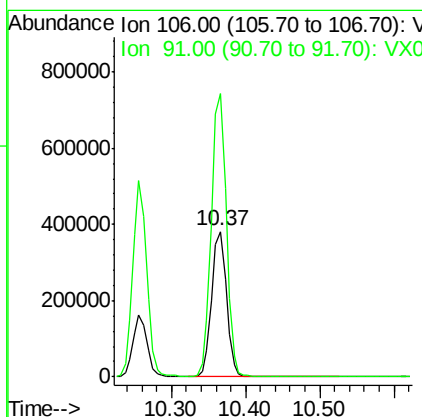
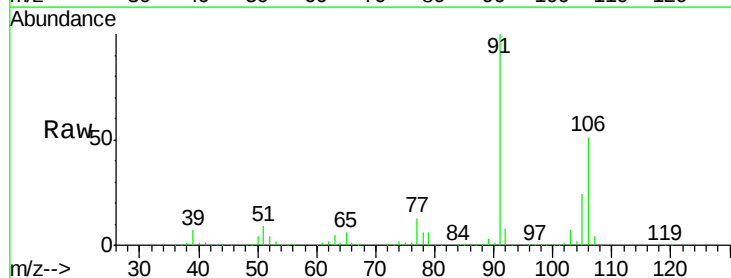
Manual Integrations
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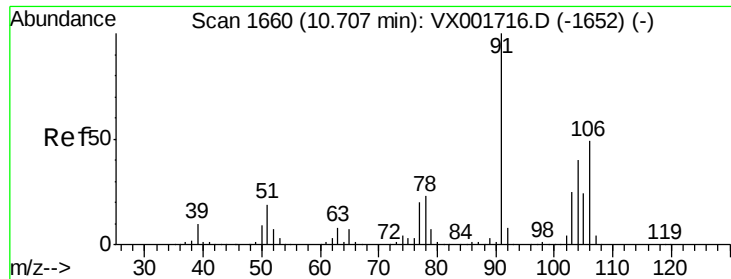
MMDadoda
5/21/2018 2:40:38 PM



#68
m/p-Xylenes
Concen: 106.07 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion: 106 Resp: 525251
Ion Ratio Lower Upper
106 100
91 196.4 155.4 233.2





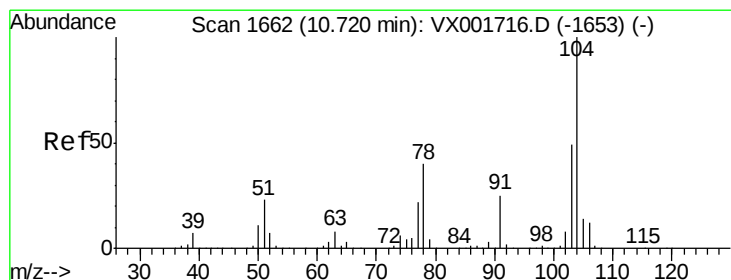
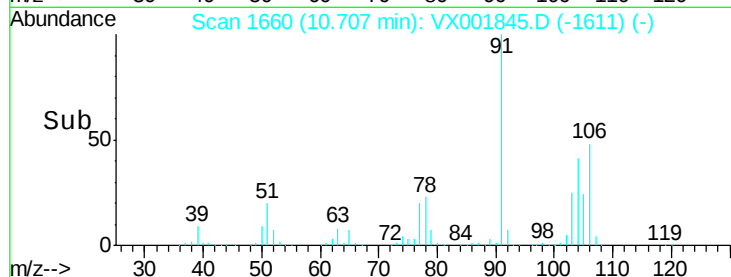
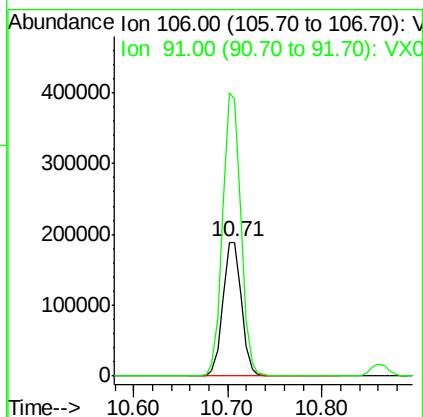
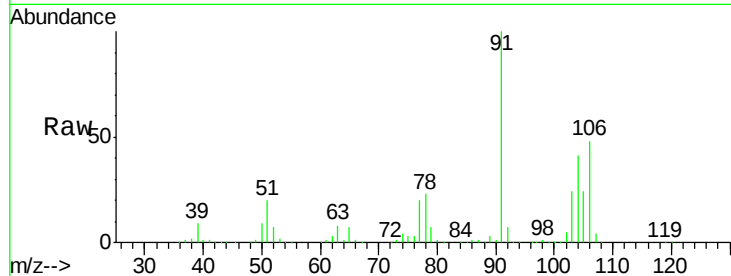
#69
o-Xylene
Concen: 54.45 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 258225
Ion Ratio Lower Upper
106 100
91 207.8 103.4 310.2

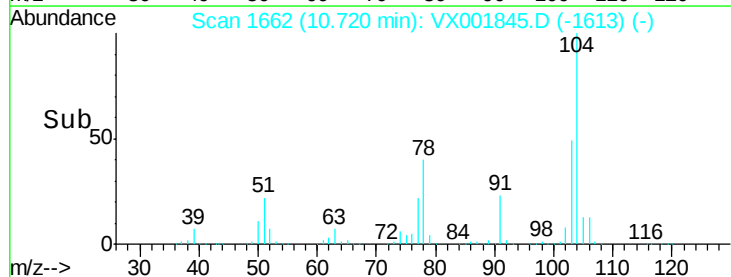
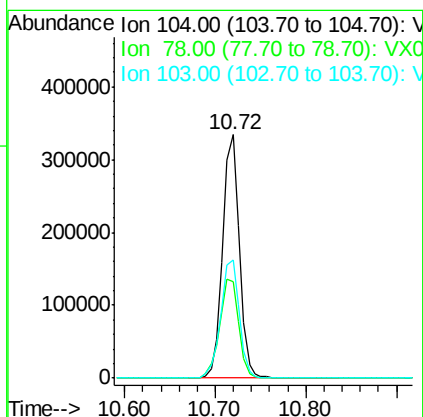
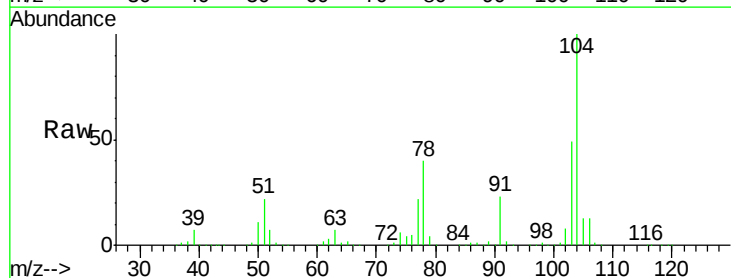
Manual Integrations
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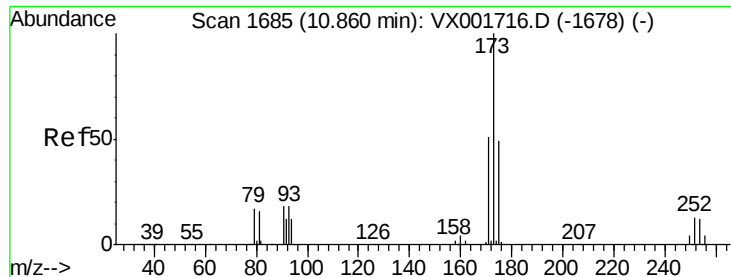
MMDadoda
5/21/2018 2:40:38 PM



#70
Styrene
Concen: 55.29 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion:104 Resp: 432449
Ion Ratio Lower Upper
104 100
78 46.3 37.3 55.9
103 54.1 43.7 65.5





#71

Bromoform

Concen: 50.47 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 130354

Ion Ratio Lower Upper

173 100

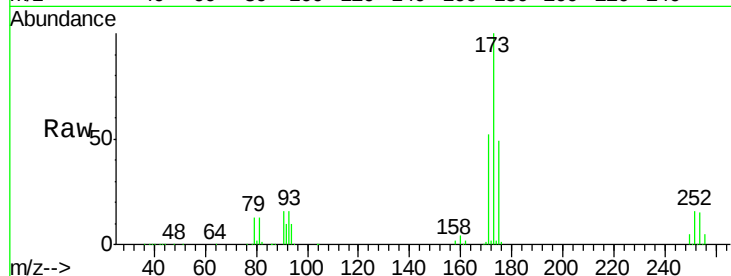
175 48.7 24.3 72.8

254 0.3 0.2 0.2#

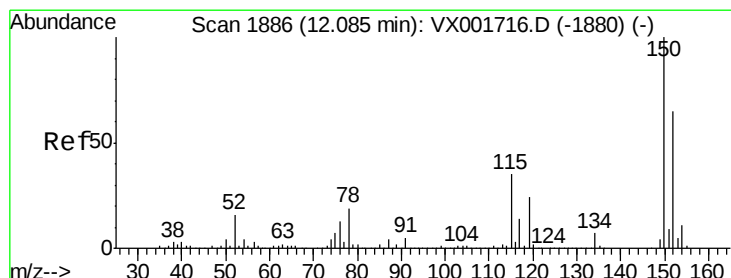
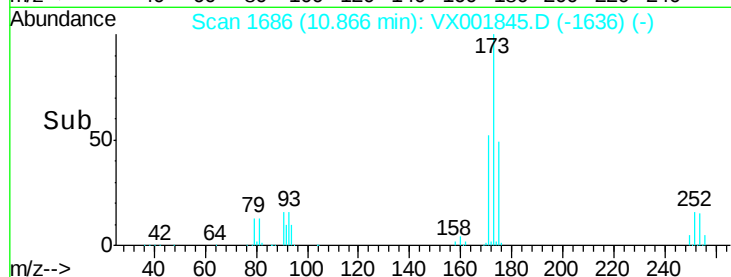
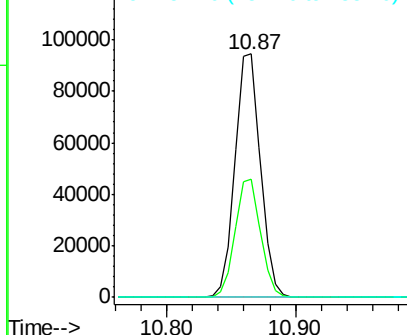
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

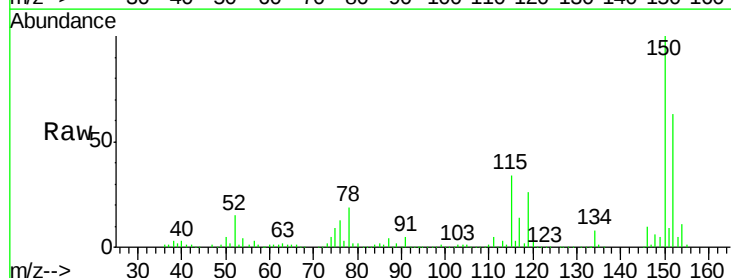
Tgt Ion:152 Resp: 186580

Ion Ratio Lower Upper

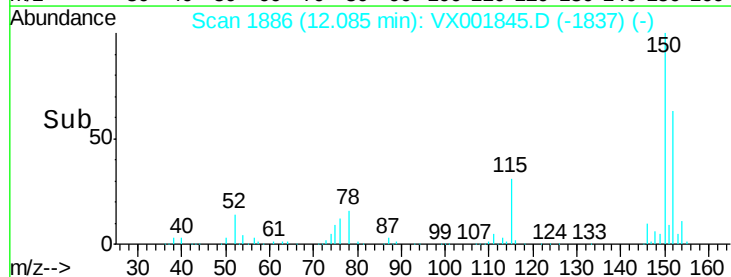
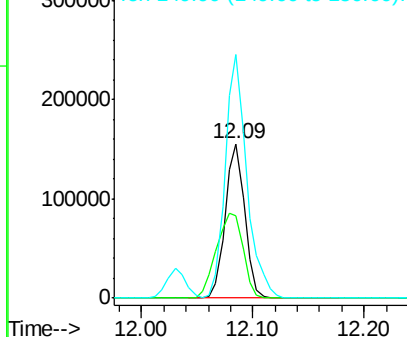
152 100

115 76.2 37.4 112.2

150 175.9 0.0 344.8



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: 56.41 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 693168

Ion Ratio Lower Upper

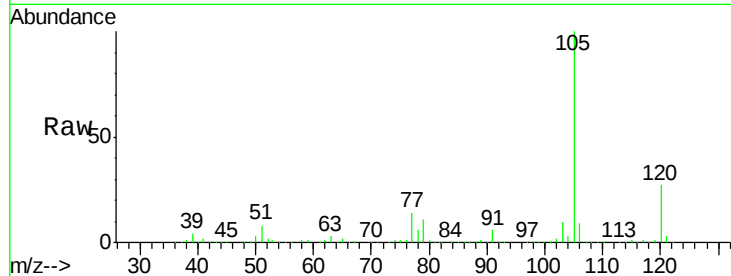
105 100

120 27.4 13.8 41.3

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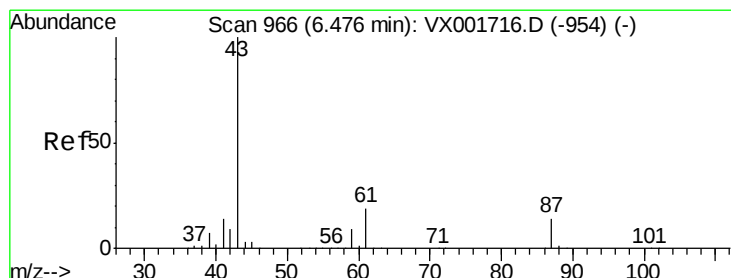
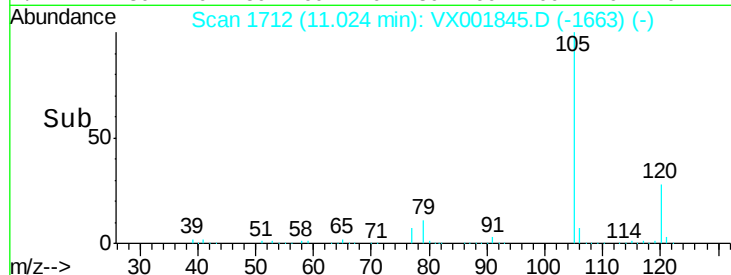
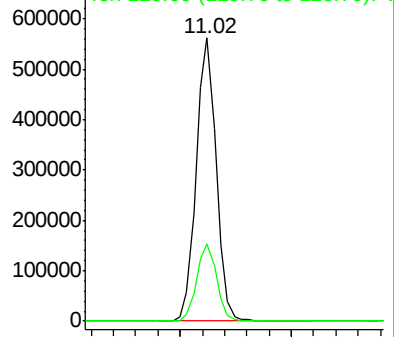
MMDadoda

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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: 61.50 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Tgt Ion: 43 Resp: 362292

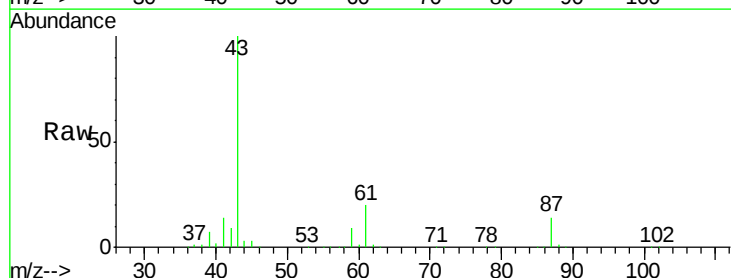
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 20.7 15.8 23.8

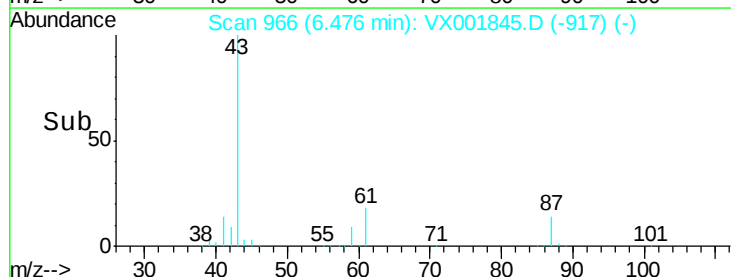
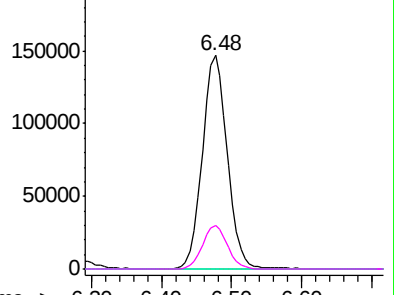


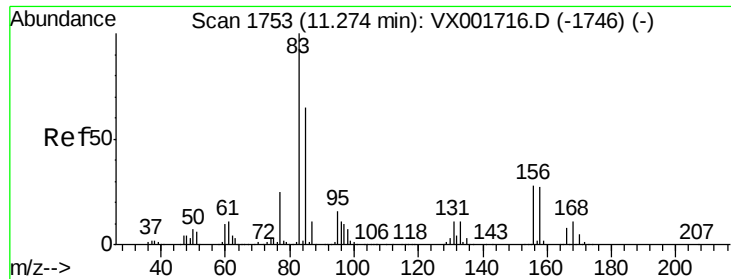
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 55.58 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 204853
Ion Ratio Lower Upper

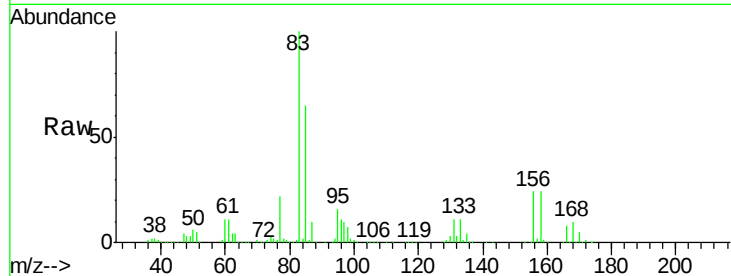
83 100

131 11.3 5.7 17.0

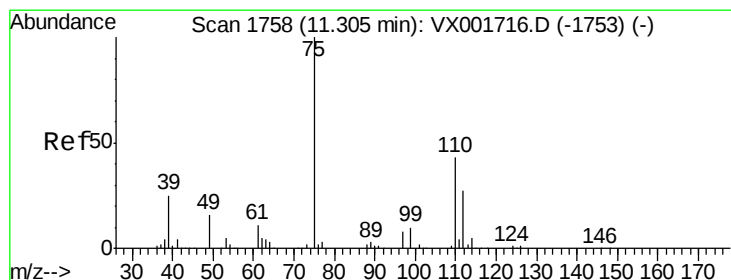
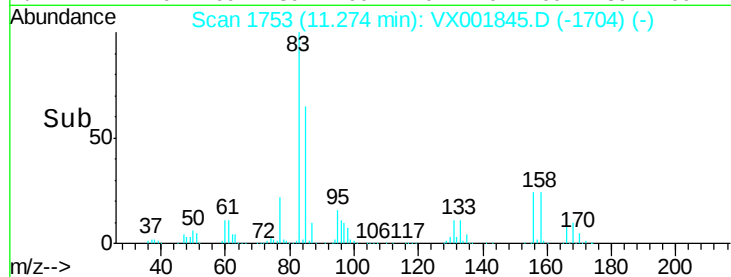
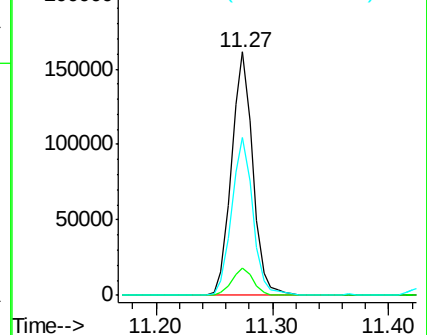
85 64.8 32.7 98.1

Manual Integrations
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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: 55.40 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

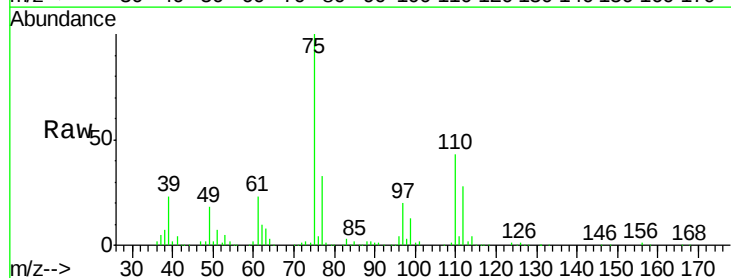
Lab File: VX001845.D

Acq: 19 May 2018 00:14

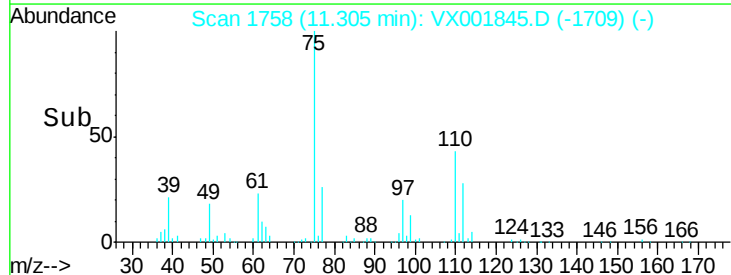
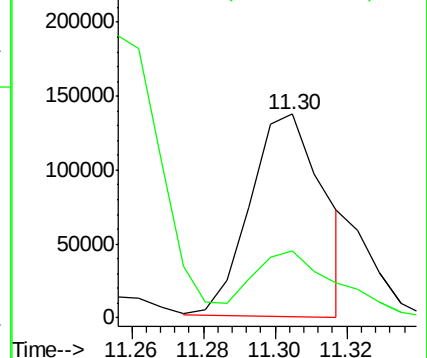
Tgt Ion: 75 Resp: 196559
Ion Ratio Lower Upper

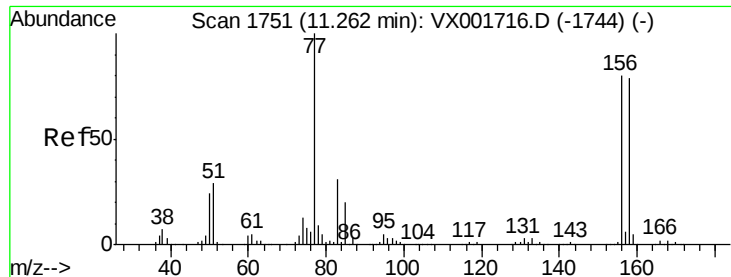
75 100

77 37.6 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: 55.00 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

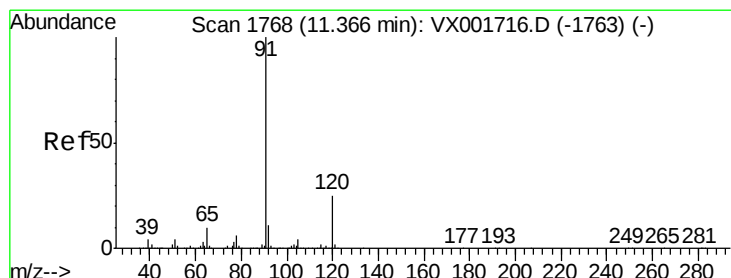
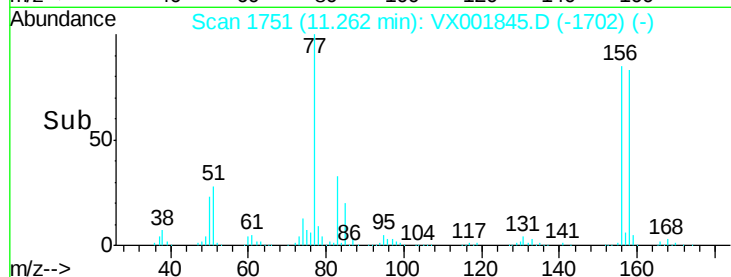
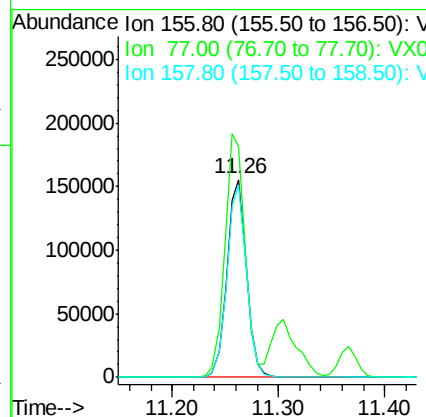
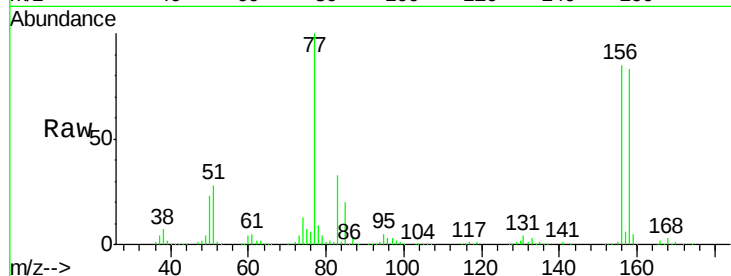
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	198575
Ion Ratio	Lower	Upper	
156	100		
77	128.0	65.3	196.0
158	97.8	49.1	147.3

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#78

n-propylbenzene

Concen: 54.83 ug/l

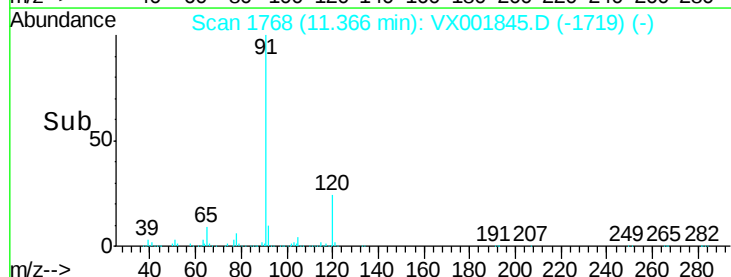
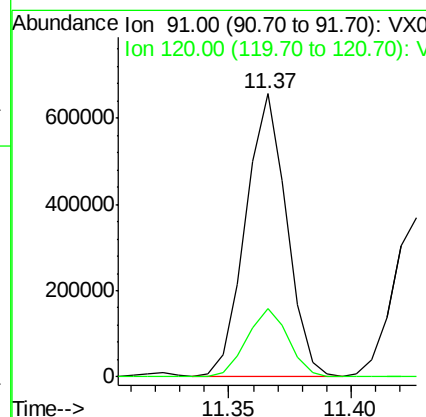
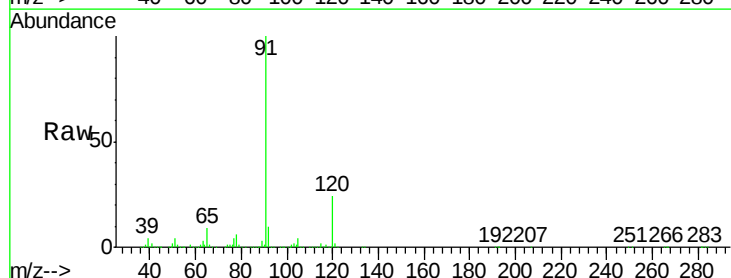
RT: 11.37 min Scan# 1768

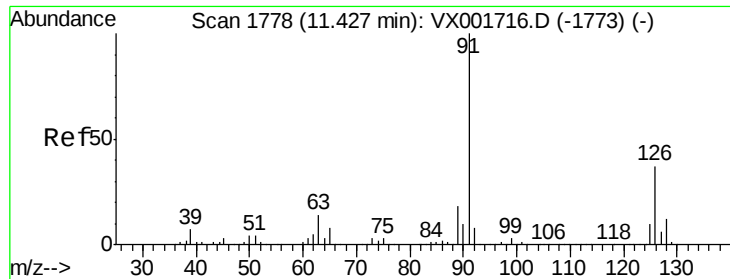
Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Tgt Ion:	91	Resp:	759043
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.5	37.5





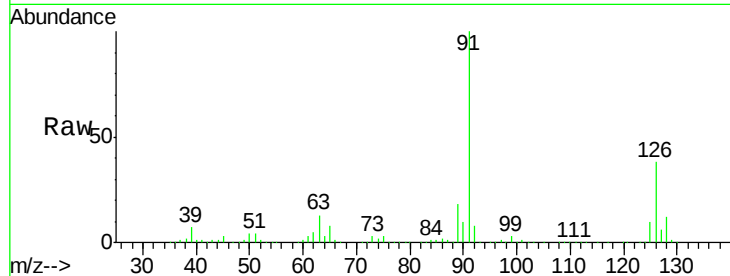
#79
 2-Chlorotoluene
 Concen: 54.65 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

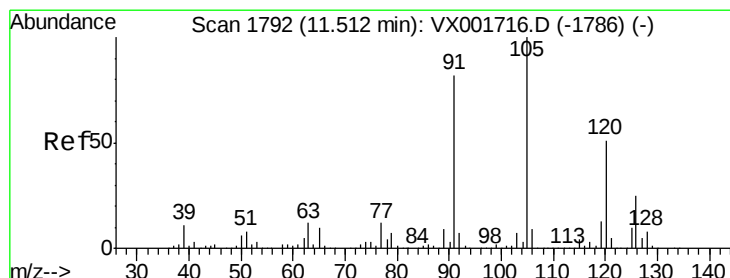
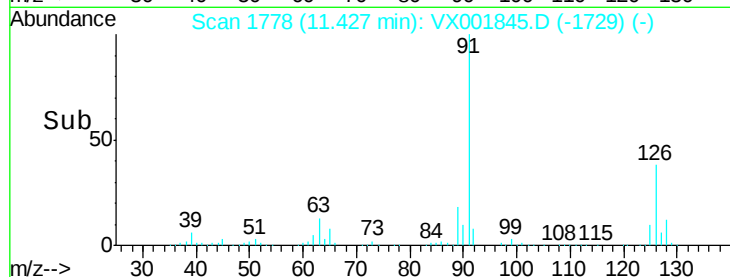
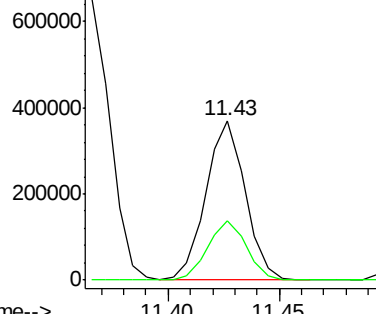
Tot Ion: 91 Resp: 452446
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.4 55.4

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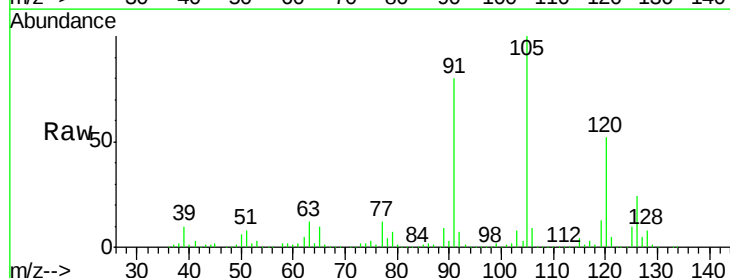


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

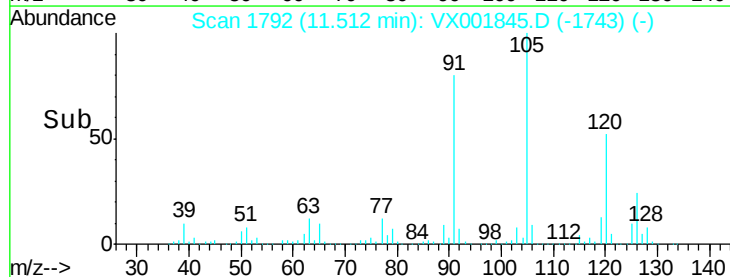
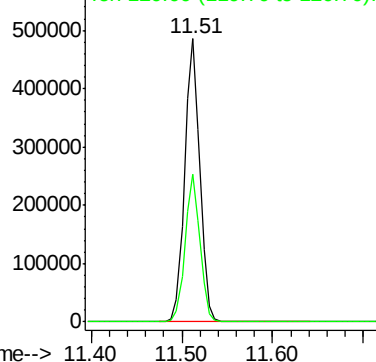


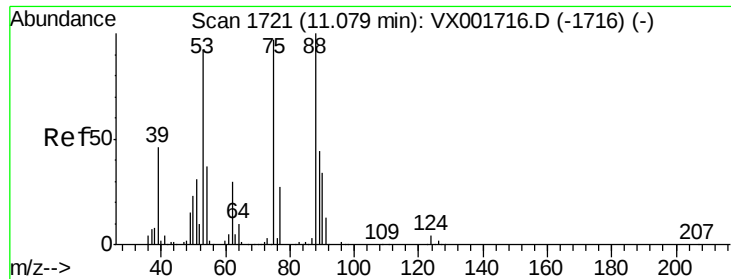
#80
 1,3,5-Trimethylbenzene
 Concen: 56.74 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion: 105 Resp: 571995
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





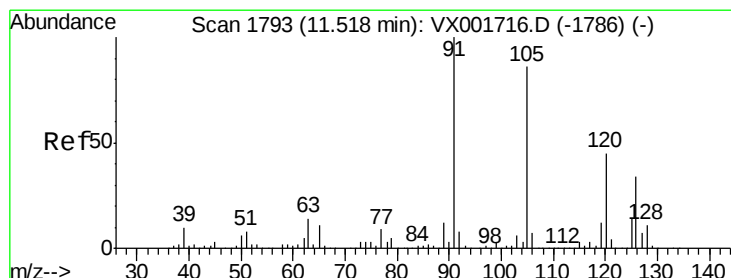
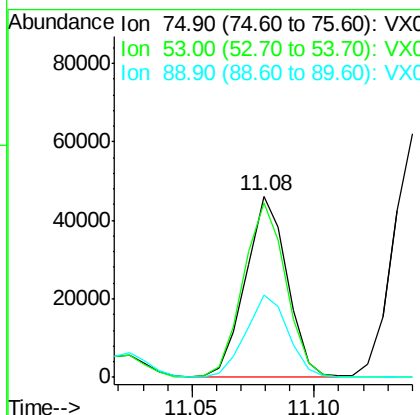
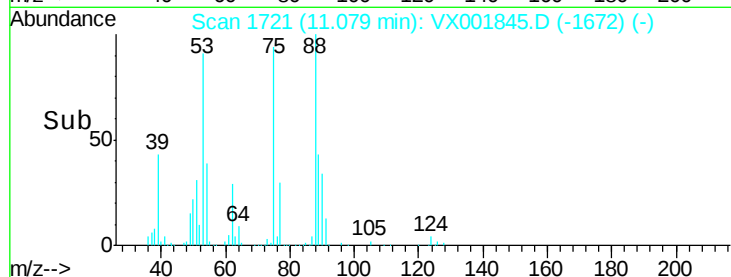
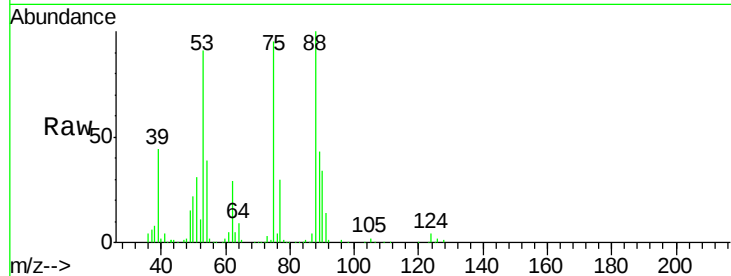
#81
trans-1,4-Dichloro-2-butene
Concen: 45.58 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	79.4	119.2
89	47.0	38.8	58.2

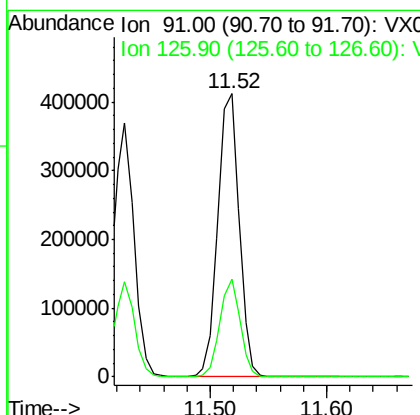
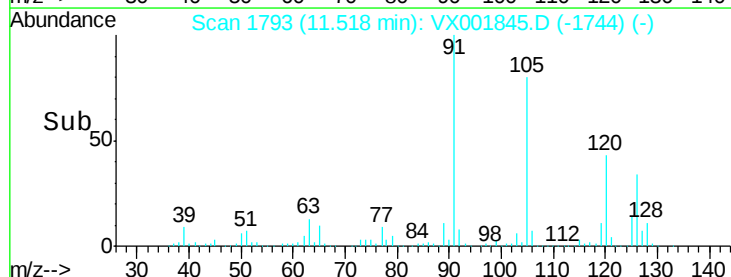
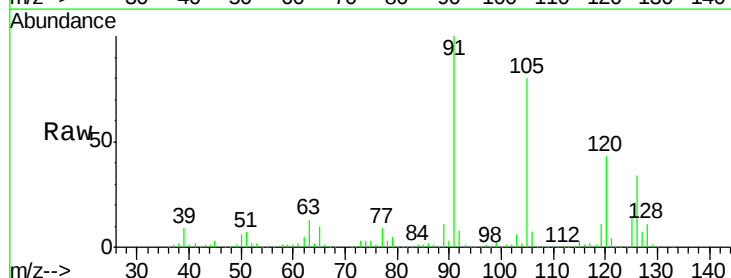
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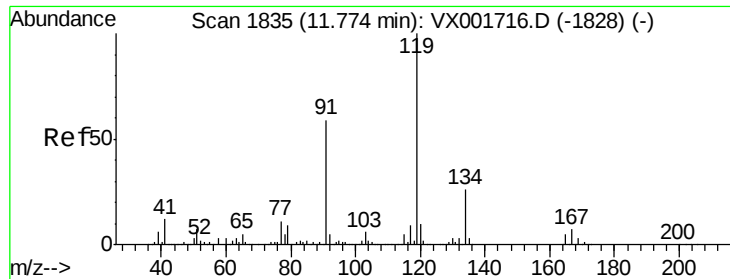
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#82
4-Chlorotoluene
Concen: 53.46 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.1





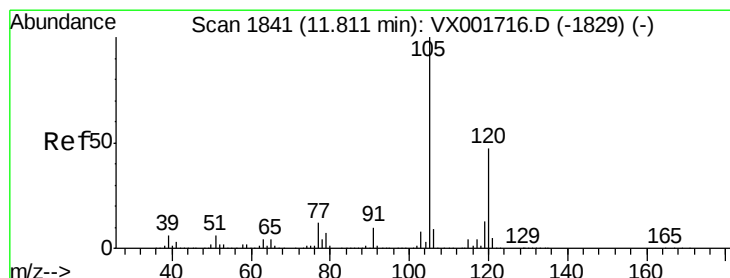
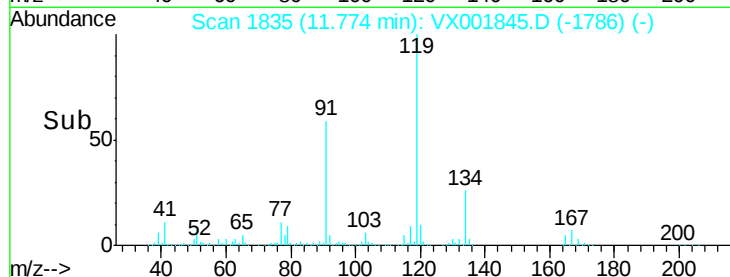
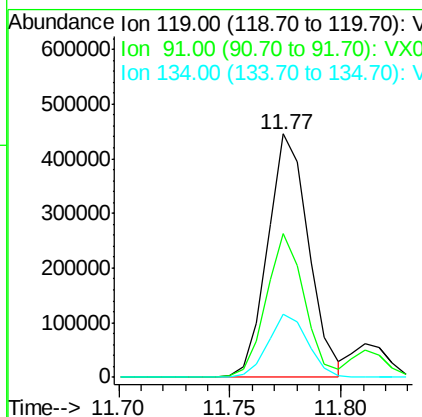
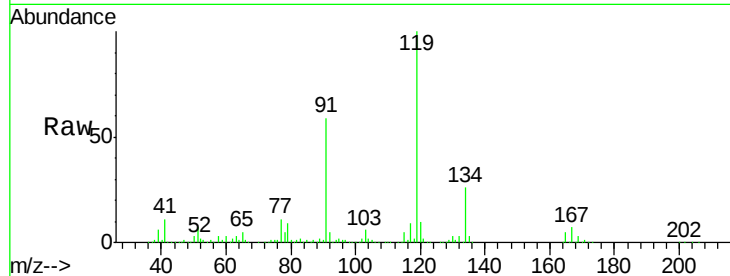
#83
 tert-Butylbenzene
 Concen: 56.64 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.4	27.7	83.0
134	25.3	12.7	38.1

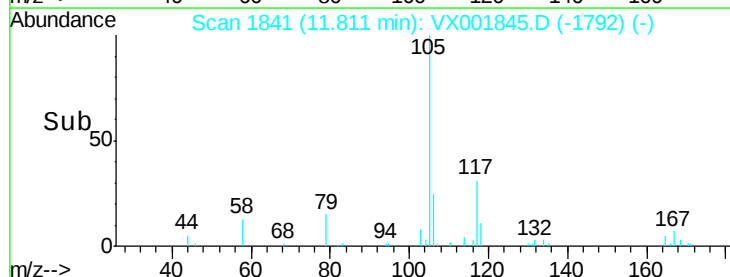
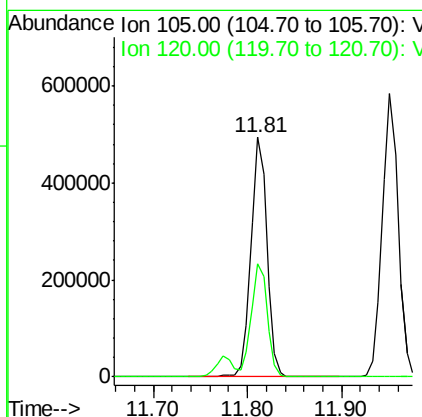
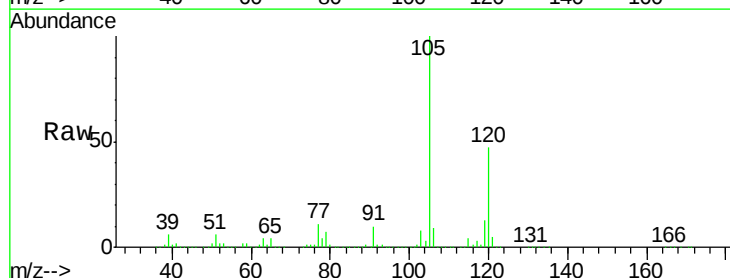
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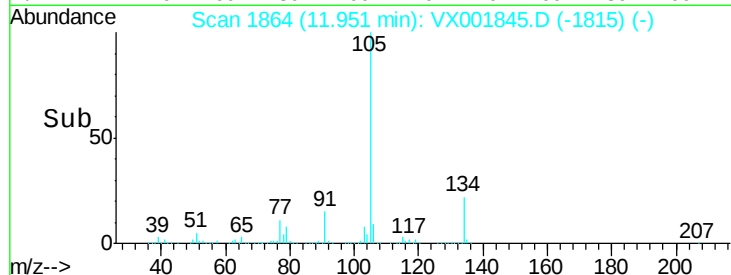
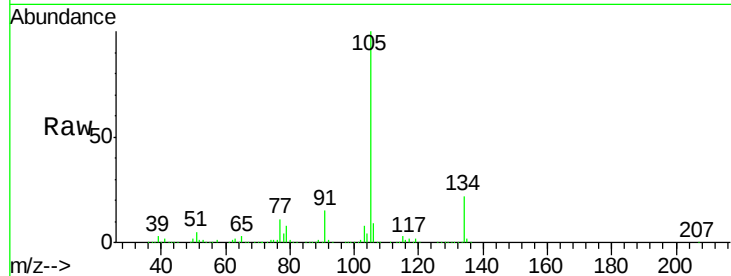
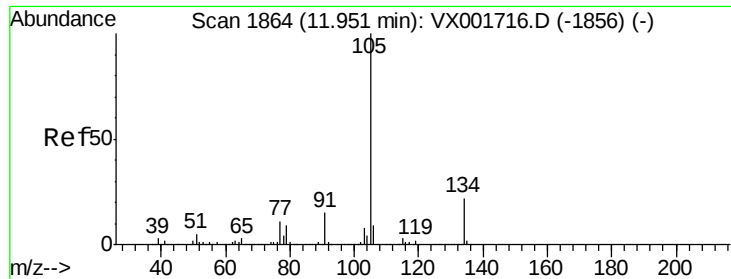
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.77 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.5	70.5





#85

sec-Butylbenzene

Concen: 55.83 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Tot Ion:105 Resp: 691342

Ion Ratio Lower Upper

105 100

134 21.7 10.9 32.6

Instrument :

MSVOA_X

ClientSampleId :

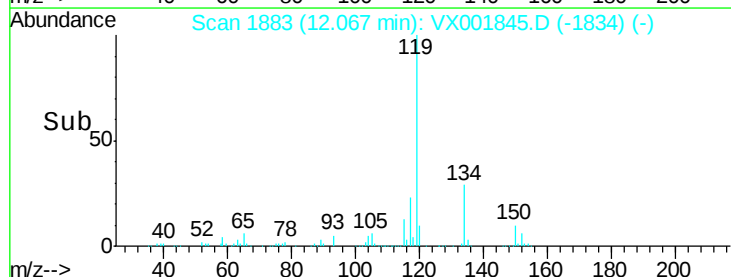
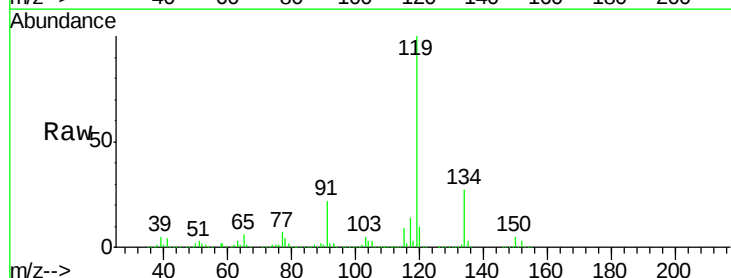
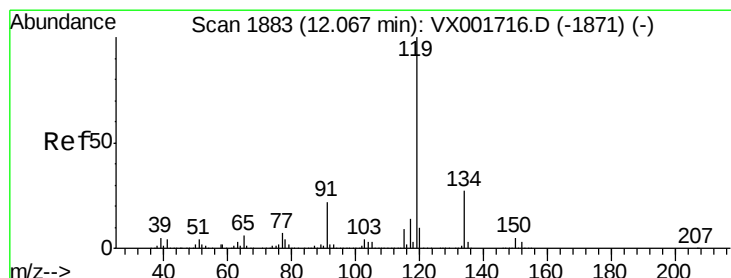
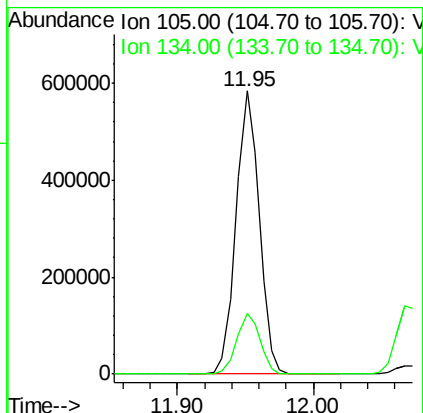
VSTDCCC050

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#86

p-Isopropyltoluene

Concen: 55.14 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

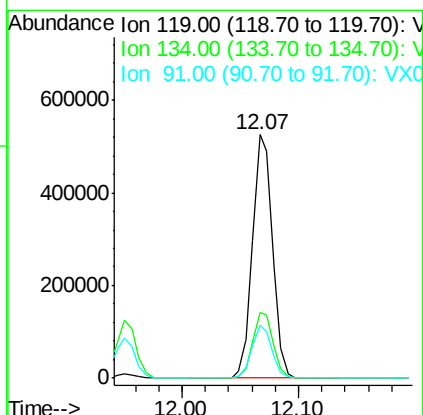
Tgt Ion:119 Resp: 631769

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 21.3 10.7 32.1





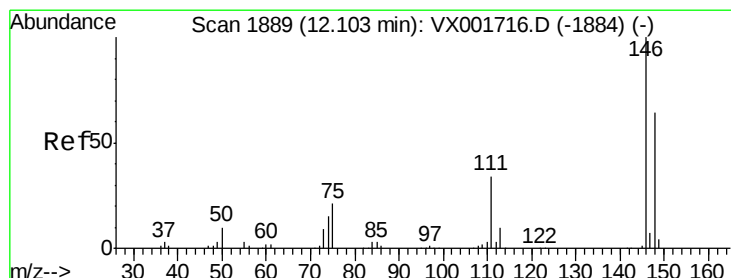
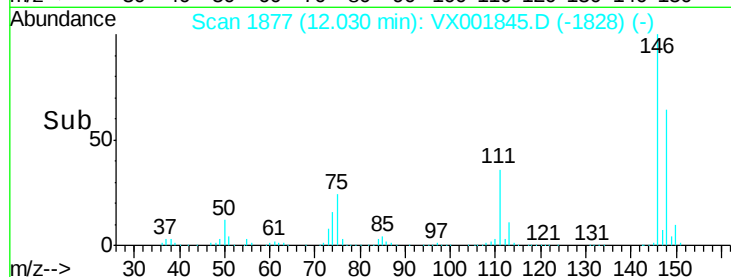
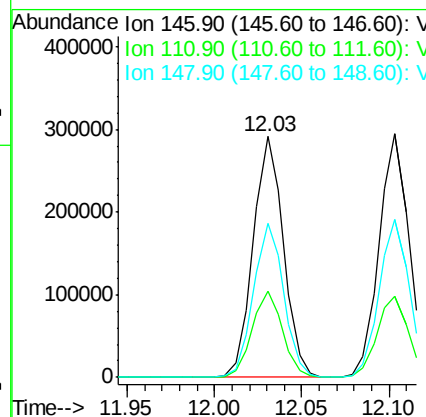
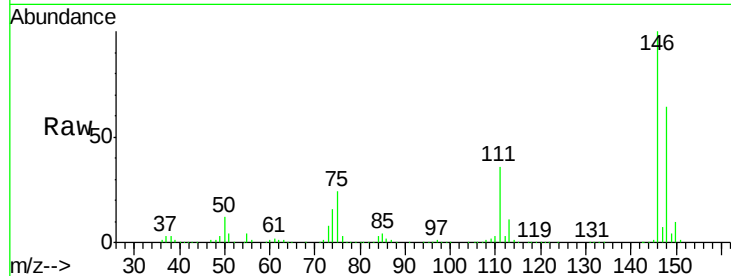
#87
 1,3-Dichlorobenzene
 Concen: 52.51 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.8	53.4
148	63.7	32.1	96.3

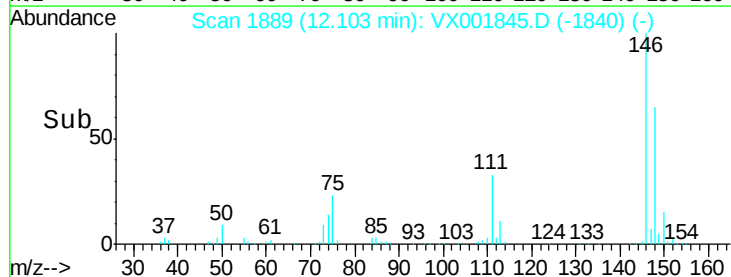
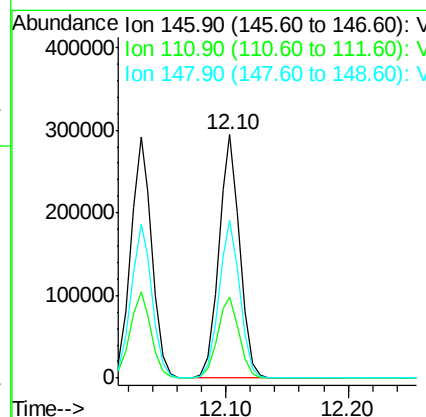
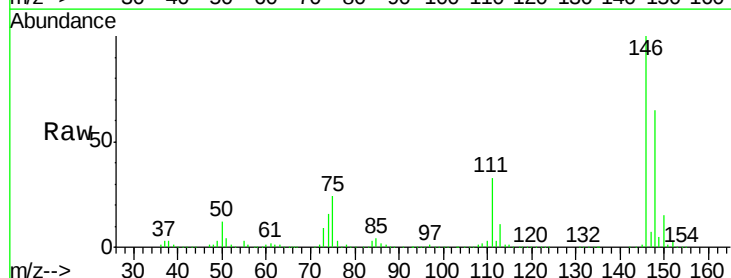
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#88
 1,4-Dichlorobenzene
 Concen: 50.60 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	17.3	52.0
148	65.3	32.3	96.9





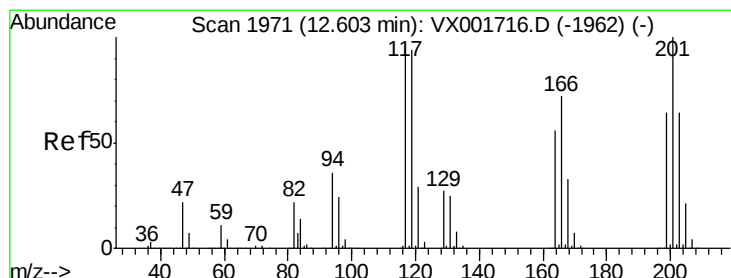
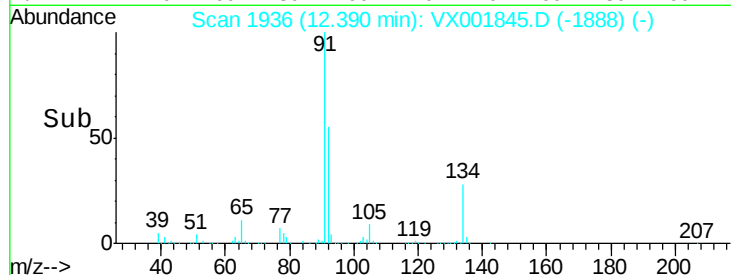
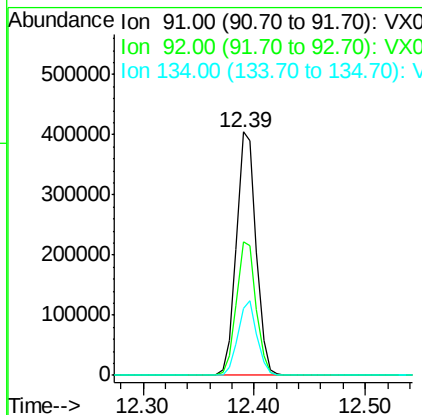
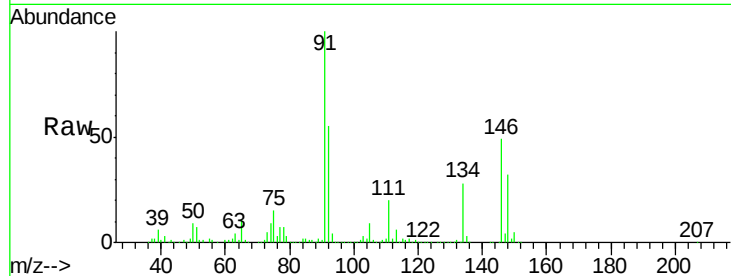
#89
n-Butylbenzene
Concen: 49.88 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.6	27.3	81.9	
134	29.6	14.7	44.1	

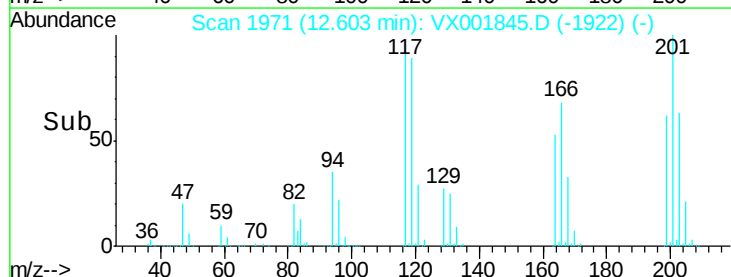
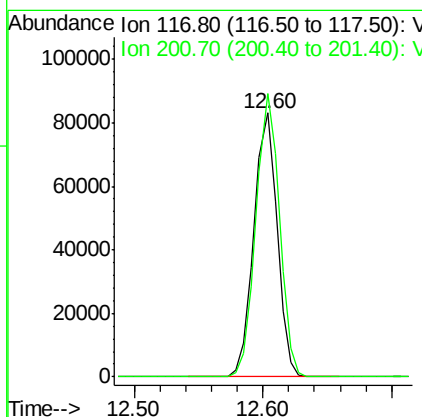
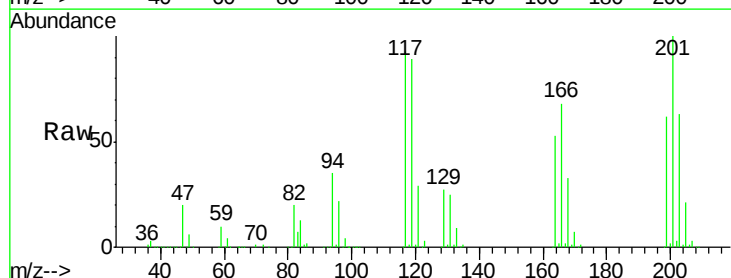
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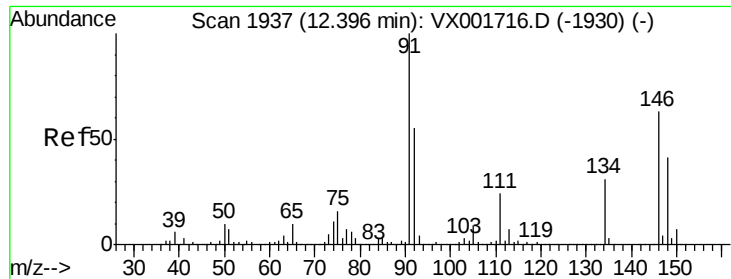
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#90
Hexachloroethane
Concen: 57.81 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001845.D
Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	108.6	51.9	155.7	





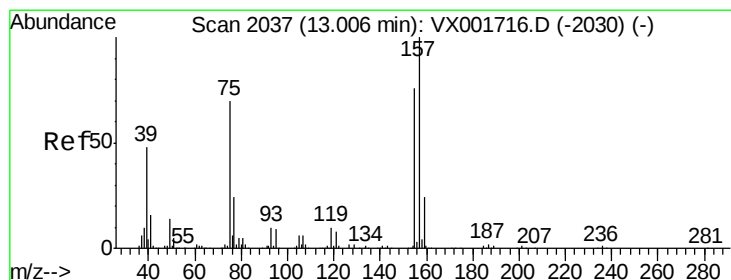
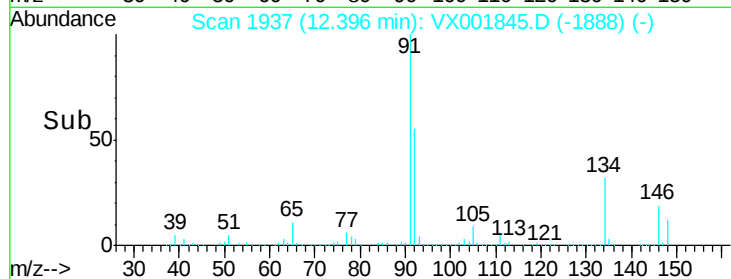
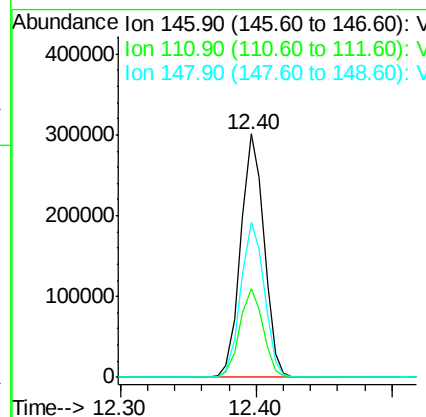
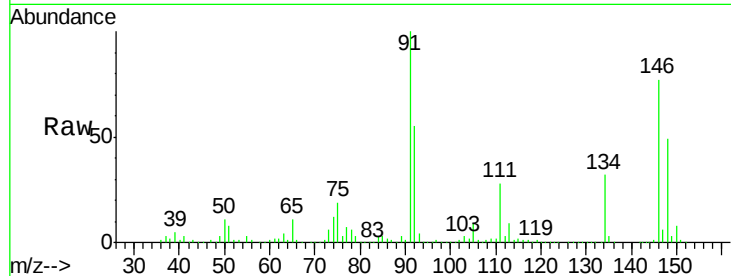
#91
 1,2-Dichlorobenzene
 Concen: 54.20 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	360610		
111	36.5	18.6	56.0	
148	64.3	32.4	97.0	

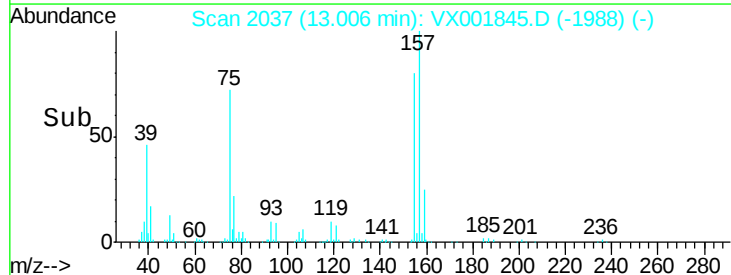
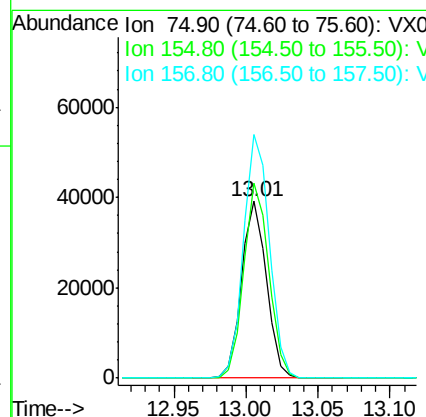
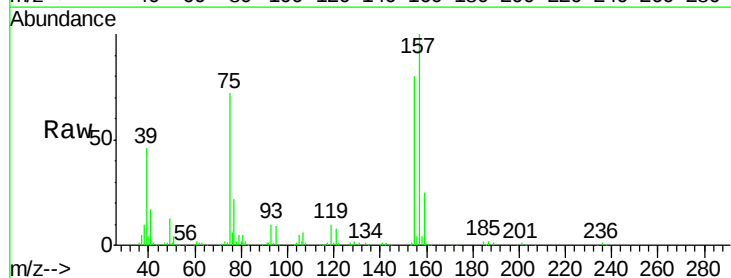
Manual Integrations
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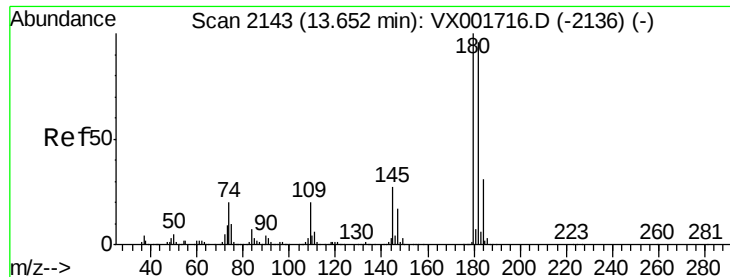
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.12 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	47295		
155	110.4	53.9	161.8	
157	142.0	71.0	213.2	





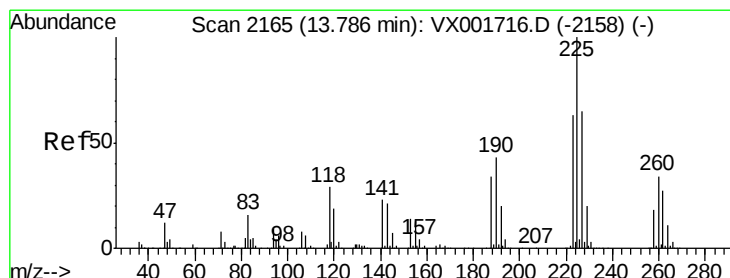
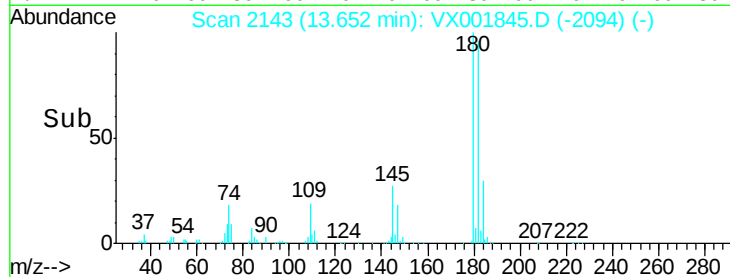
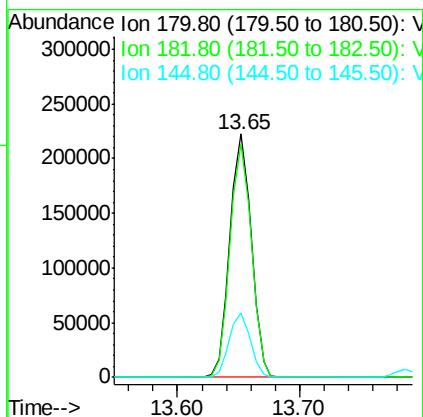
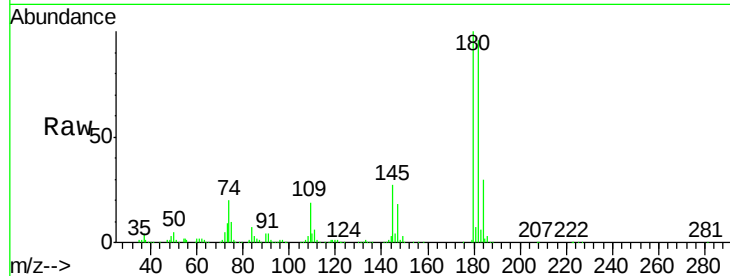
#93
 1,2,4-Trichlorobenzene
 Concen: 50.62 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	268470		
182	95.9	47.6	142.9	
145	26.3	13.4	40.1	

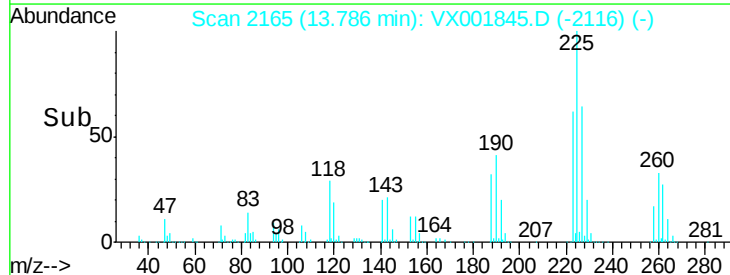
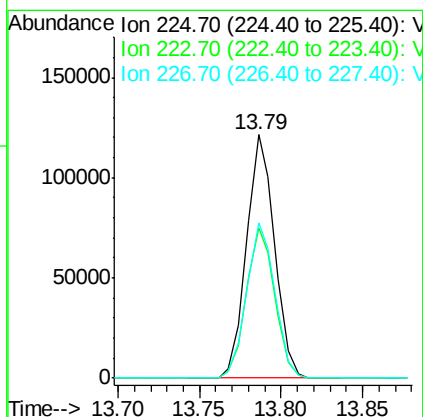
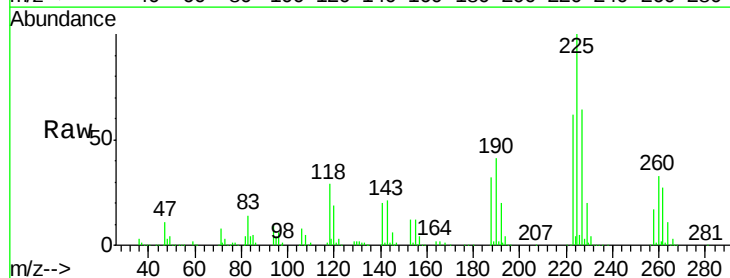
Manual Integrations
 APPROVED

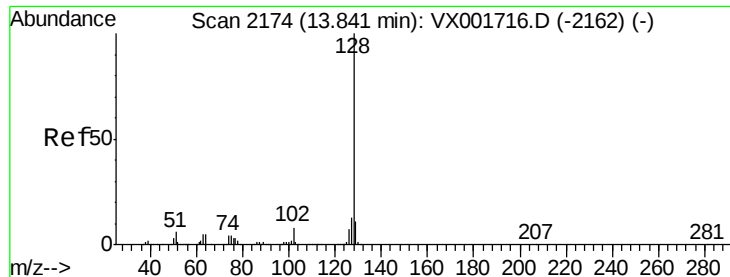
MMDadoda
 5/21/2018 2:40:38 PM



#94
 Hexachlorobutadiene
 Concen: 51.16 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001845.D
 Acq: 19 May 2018 00:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	145664		
223	62.2	31.1	93.5	
227	64.4	31.9	95.5	





#95

Naphthalene

Concen: 56.10 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Instrument :

MSVOA_X

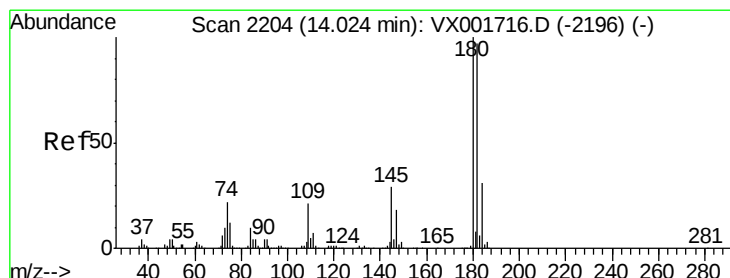
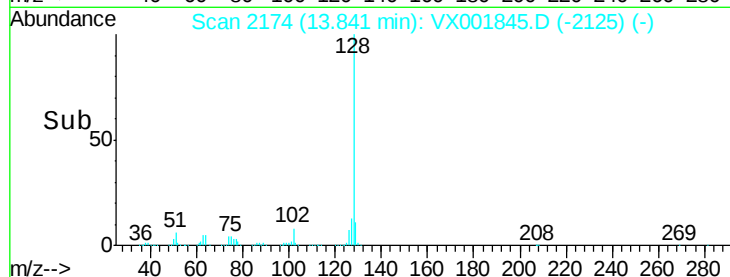
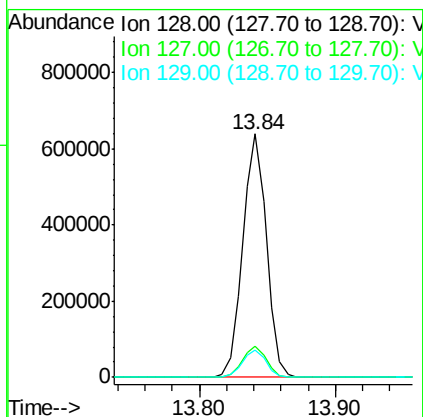
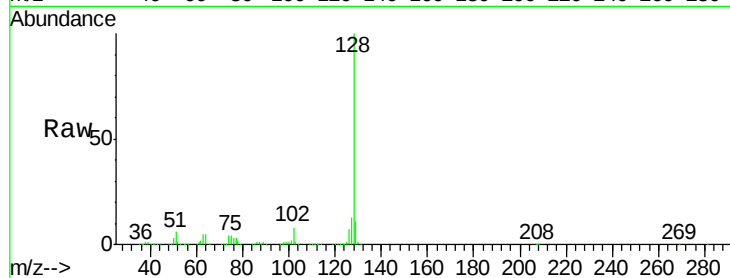
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	773342
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/21/2018 2:40:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.64 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001845.D

Acq: 19 May 2018 00:14

Tgt Ion:	180	Resp:	281085
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.9	143.7
145	27.8	14.2	42.8

