

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\
 Data File : VX001140.D
 Acq On : 26 Apr 2018 19:11
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:03:27 PM

Quant Time: Apr 27 01:41:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:18:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	312593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	217646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	493527	166.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	333.28%	
35) Dibromofluoromethane	5.51	113	400071	165.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	331.64%	
50) Toluene-d8	8.73	98	1483189	165.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	331.84%	
62) 4-Bromofluorobenzene	11.15	95	618856	165.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	331.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	353223	132.03	ug/l	98
3) Chloromethane	1.32	50	377072	147.27	ug/l	99
4) Vinyl Chloride	1.40	62	385384	143.65	ug/l	98
5) Bromomethane	1.64	94	234214	140.62	ug/l	98
6) Chloroethane	1.70	64	213806	131.93	ug/l	99
7) Trichlorofluoromethane	1.92	101	617044	151.52	ug/l	100
8) Diethyl Ether	2.19	74	238967	156.34	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	343657	145.15	ug/l	99
10) Methyl Iodide	2.51	142	417947	208.04	ug/l	99
11) Tert butyl alcohol	3.11	59	526860	1070.97	ug/l	100
12) 1,1-Dichloroethene	2.37	96	331486	150.03	ug/l	99
13) Acrolein	2.30	56	200902	1210.34	ug/l	99
14) Allyl chloride	2.73	41	640626	158.41	ug/l	98
15) Acrylonitrile	3.16	53	1123658	916.51	ug/l	100
16) Acetone	2.46	43	994576	871.43	ug/l	98
17) Carbon Disulfide	2.56	76	928669	149.34	ug/l	100
18) Methyl Acetate	2.79	43	549623	166.01	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	1251965	164.83	ug/l	99
20) Methylene Chloride	2.86	84	382303	149.68	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	368122	148.88	ug/l	99
22) Diisopropyl ether	3.89	45	1289256	164.74	ug/l	100
23) Vinyl Acetate	3.84	43	5726495	871.97	ug/l	99
24) 1,1-Dichloroethane	3.70	63	652268	150.07	ug/l	99
25) 2-Butanone	4.73	43	1608910	907.81	ug/l	100
26) 2,2-Dichloropropane	4.59	77	531368	144.47	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	415099	150.91	ug/l	99
28) Bromochloromethane	5.03	49	291224	168.06	ug/l	99
29) Tetrahydrofuran	5.18	42	1044197	931.05	ug/l	100
30) Chloroform	5.23	83	716735	158.29	ug/l	98
31) Cyclohexane	5.58	56	560626	140.17	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	638528	158.26	ug/l	99
36) 1,1-Dichloropropene	5.81	75	513897	141.89	ug/l	99
37) Ethyl Acetate	4.88	43	634433	182.03	ug/l	99
38) Carbon Tetrachloride	5.79	117	568233	154.60	ug/l	99

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:18:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	593796	142.03	ug/l	98
40) Benzene	6.15	78	1513629	148.72	ug/l	99
41) Methacrylonitrile	5.08	41	356198	165.56	ug/l	99
42) 1,2-Dichloroethane	6.21	62	607379	153.99	ug/l	100
43) Isopropyl Acetate	6.48	43	1051918	177.81	ug/l	100
44) Trichloroethene	7.22	130	442218	143.02	ug/l	96
45) 1,2-Dichloropropane	7.52	63	396193	154.14	ug/l	99
46) Dibromomethane	7.67	93	285369	158.20	ug/l	99
47) Bromodichloromethane	7.91	83	559963	168.59	ug/l	99
48) Methyl methacrylate	7.79	41	560320	176.68	ug/l	99
49) 1,4-Dioxane	7.77	88	213848	4233.60	ug/l	99
51) 4-Methyl-2-Pentanone	8.67	43	3522403	965.57	ug/l	100
52) Toluene	8.79	92	1020668	153.80	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	663262	167.42	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	663779	177.83	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	433359	162.60	ug/l	98
56) Ethyl methacrylate	9.19	69	714790	181.66	ug/l	98
57) 1,3-Dichloropropane	9.38	76	695095	157.64	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1576251	828.52	ug/l	100
59) 2-Hexanone	9.51	43	2795235	996.51	ug/l	99
60) Dibromochloromethane	9.59	129	516631	185.25	ug/l	100
61) 1,2-Dibromoethane	9.68	107	476110	168.78	ug/l	99
64) Tetrachloroethene	9.34	164	452097	141.67	ug/l	98
65) Chlorobenzene	10.15	112	1209745	151.06	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	466181	169.20	ug/l	100
67) Ethyl Benzene	10.26	91	2006467	151.45	ug/l	99
68) m/p-Xylenes	10.37	106	1612030	308.71	ug/l	99
69) o-Xylene	10.71	106	798739	158.18	ug/l	99
70) Styrene	10.72	104	1370622	164.89	ug/l	99
71) Bromoform	10.87	173	481092	211.30	ug/l	100
73) Isopropylbenzene	11.02	105	2109055	148.98	ug/l	99
74) N-amyl acetate	6.48	43	1051918	168.32	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	749254	182.23	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	682739m	175.83	ug/l	
77) Bromobenzene	11.26	156	635492	154.15	ug/l	99
78) n-propylbenzene	11.37	91	2363279	145.49	ug/l	99
79) 2-Chlorotoluene	11.43	91	1449848	150.41	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1846263	153.53	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	232929	215.59	ug/l	94
82) 4-Chlorotoluene	11.52	91	1753047	150.60	ug/l	99
83) tert-Butylbenzene	11.78	119	1890702	156.16	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	1891468	152.57	ug/l	98
85) sec-Butylbenzene	11.95	105	2142179	148.71	ug/l	99
86) p-Isopropyltoluene	12.07	119	2003015	150.06	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1156129	150.50	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1175423	148.70	ug/l	99
89) n-Butylbenzene	12.40	91	1800426	152.24	ug/l	99
90) Hexachloroethane	12.60	117	337264	178.94	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1172399	156.70	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	180875	205.79	ug/l	99

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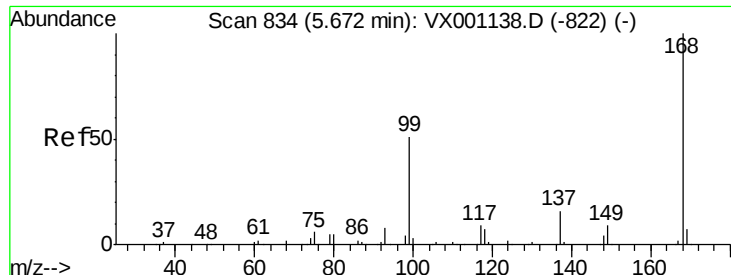
Manual Integrations
APPROVED

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4/30/2018 6:03:27 PM

Quant Time: Apr 27 01:41:51 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 27 01:18:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	923046	148.50	ug/l	100
94) Hexachlorobutadiene	13.79	225	437035	154.23	ug/l	99
95) Naphthalene	13.84	128	2618720	167.81	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	909852	150.44	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: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 226957

Ion Ratio Lower Upper

168 100

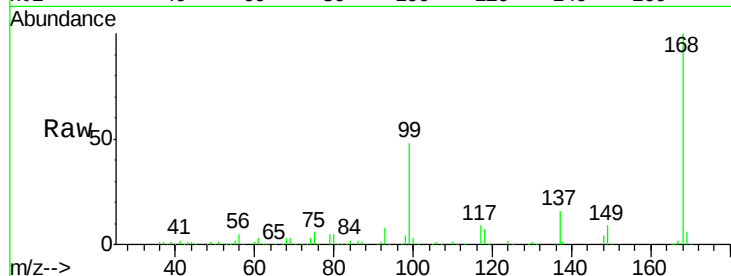
99 47.8 40.6 60.8

Manual Integrations

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4/30/2018 6:03:27 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

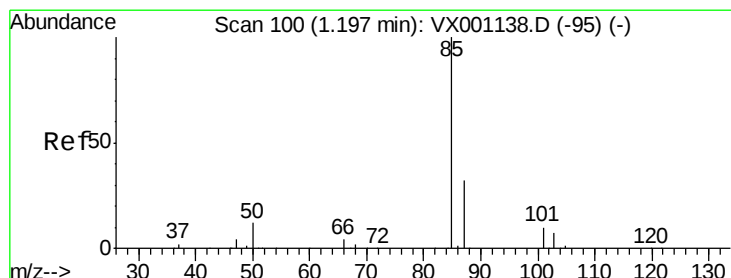
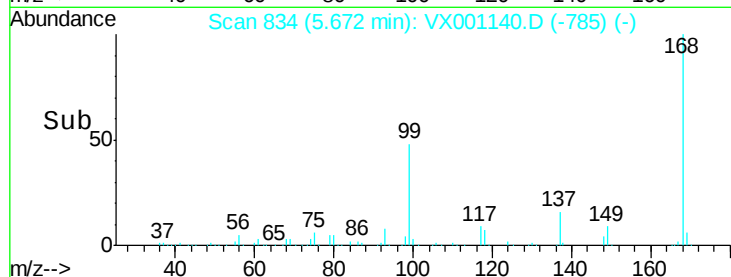
100000

50000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 132.03 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX001140.D

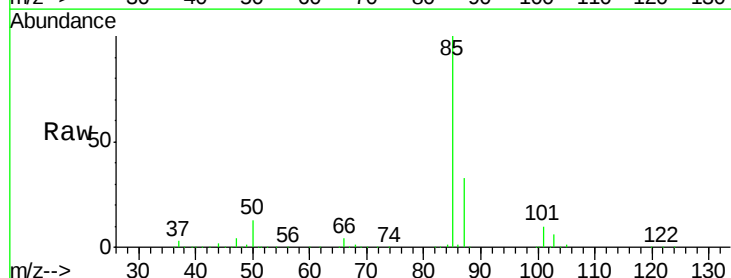
Acq: 26 Apr 2018 19:11

Tgt Ion: 85 Resp: 353223

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

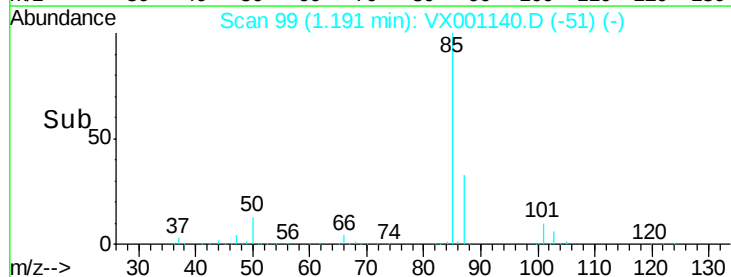
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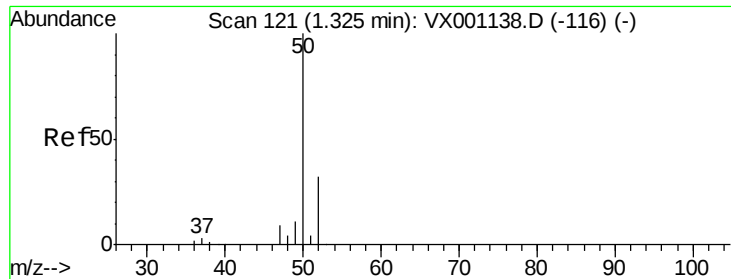
100000

0

1.10 1.20 1.30 1.40

Time-->





#3

Chloromethane

Concen: 147.27 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 377072

Ion Ratio Lower Upper

50 100

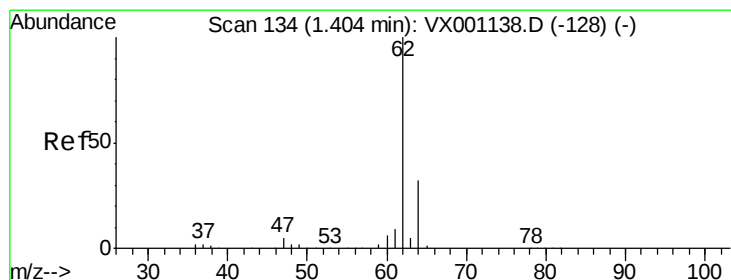
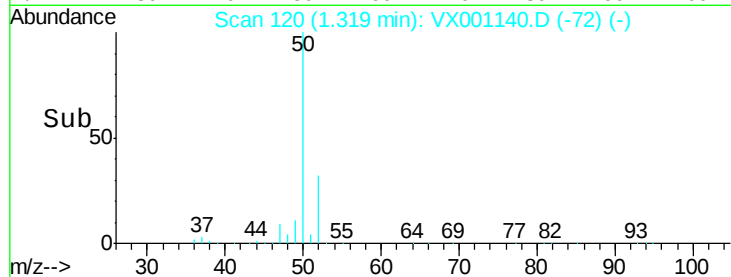
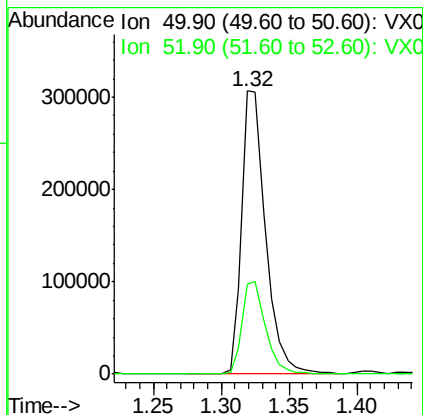
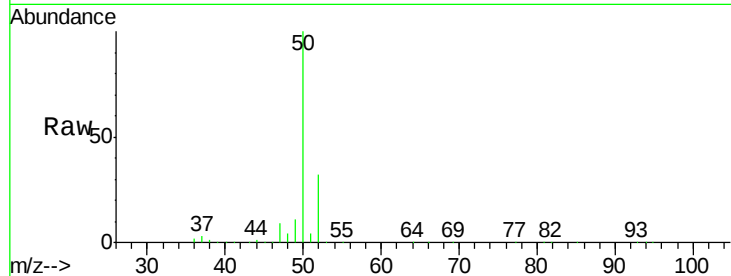
52 31.9 25.9 38.9

Manual Integrations

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4/30/2018 6:03:27 PM



#4

Vinyl Chloride

Concen: 143.65 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001140.D

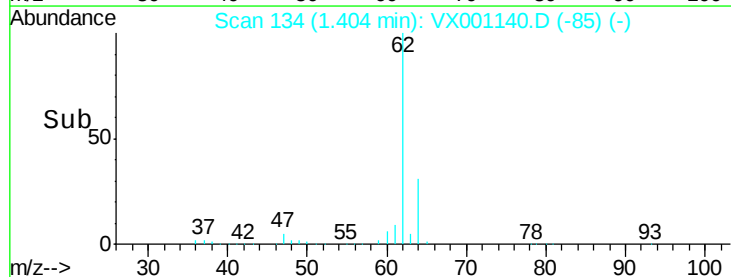
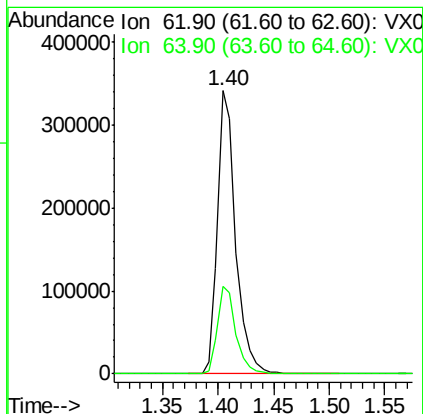
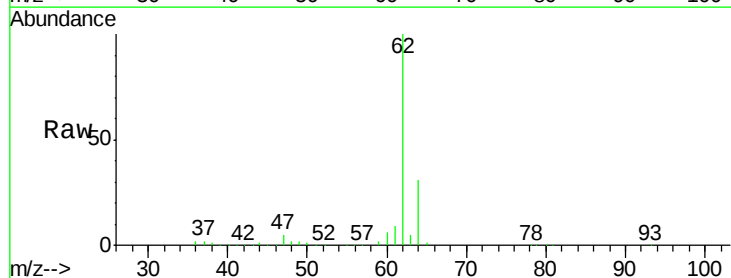
Acq: 26 Apr 2018 19:11

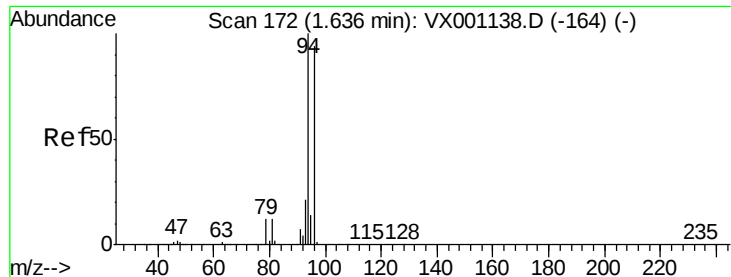
Tgt Ion: 62 Resp: 385384

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4





#5

Bromomethane

Concen: 140.62 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 234214

Ion Ratio Lower Upper

94 100

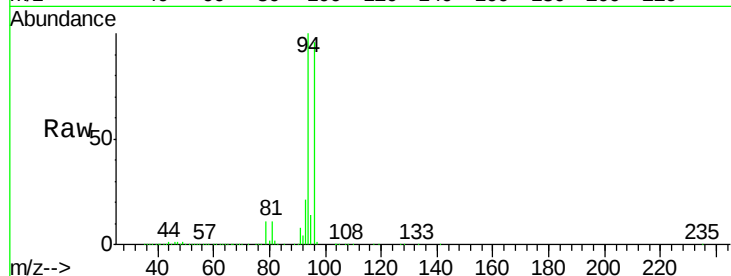
96 95.6 75.3 112.9

Manual Integrations

APPROVED

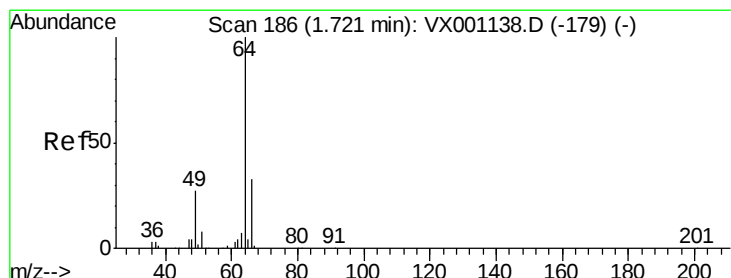
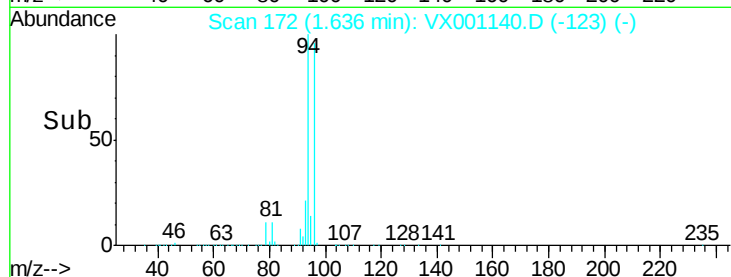
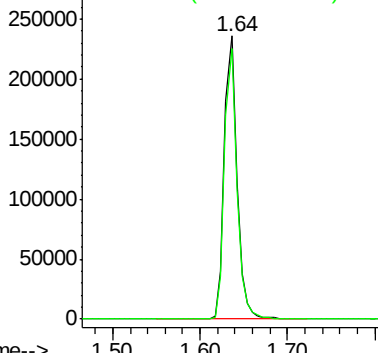
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4/30/2018 6:03:27 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 131.93 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX001140.D

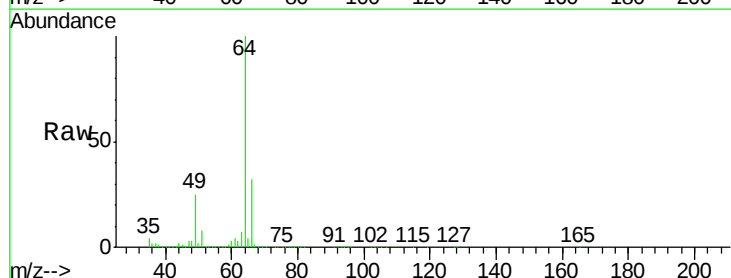
Acq: 26 Apr 2018 19:11

Tgt Ion: 64 Resp: 213806

Ion Ratio Lower Upper

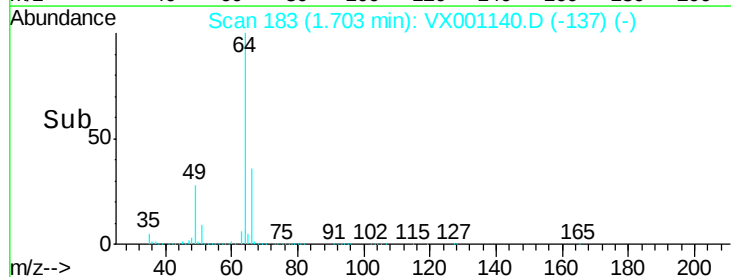
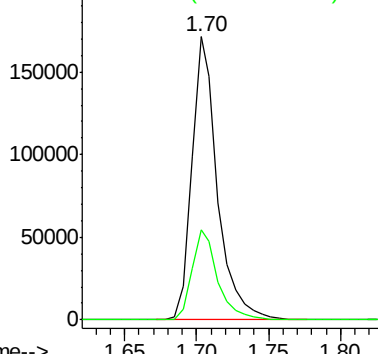
64 100

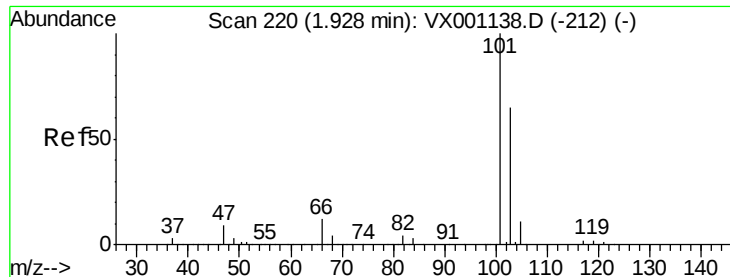
66 31.9 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

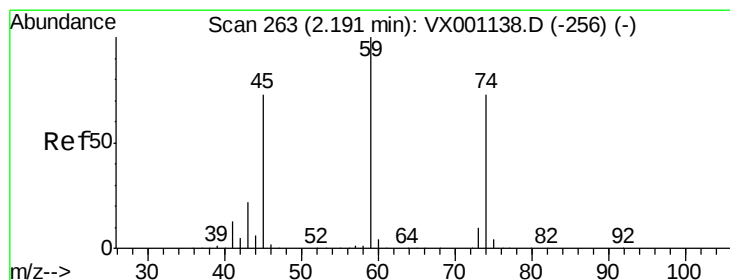
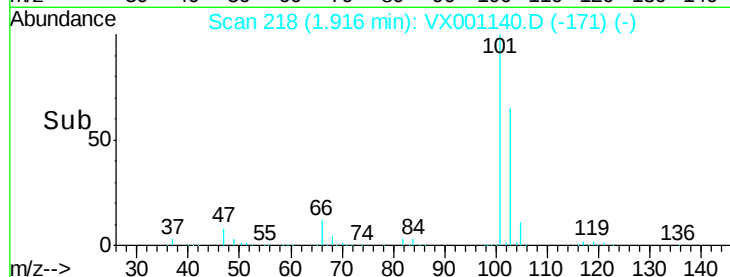
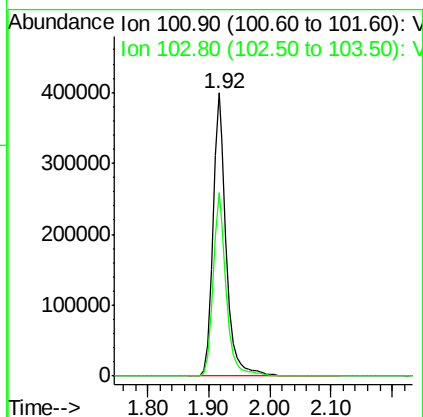
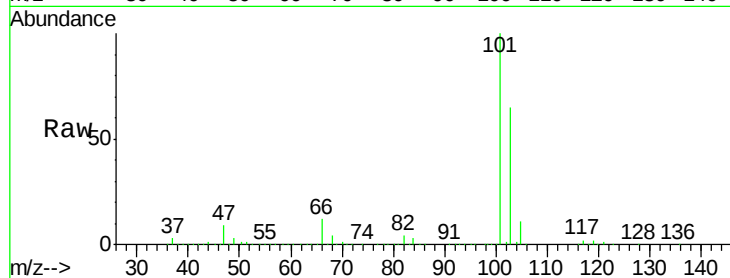
Trichlorofluoromethane
Concen: 151.52 ug/l
RT: 1.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 617044
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9

Manual Integrations
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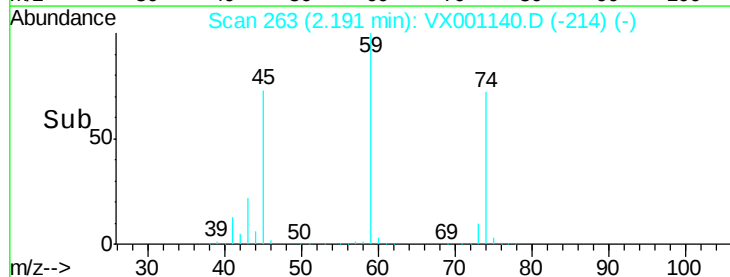
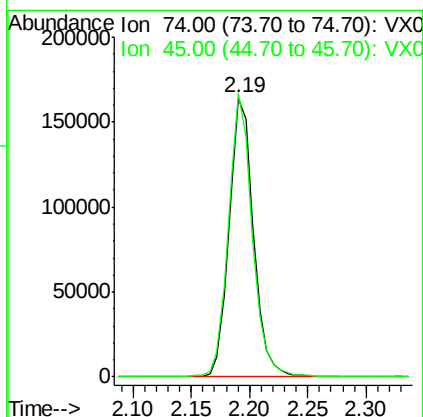
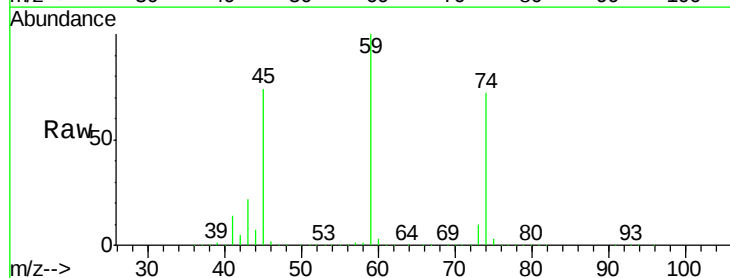
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4/30/2018 6:03:27 PM

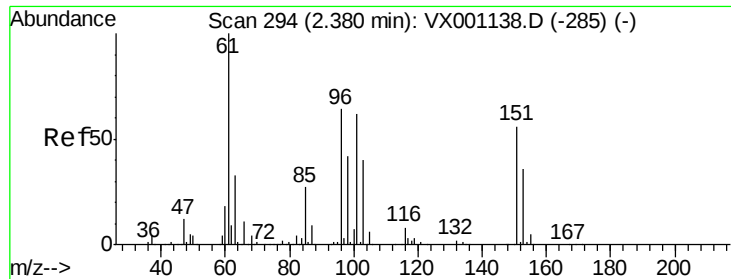


#8

Diethyl Ether
Concen: 156.34 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion: 74 Resp: 238967
Ion Ratio Lower Upper
74 100
45 99.5 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 145.15 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

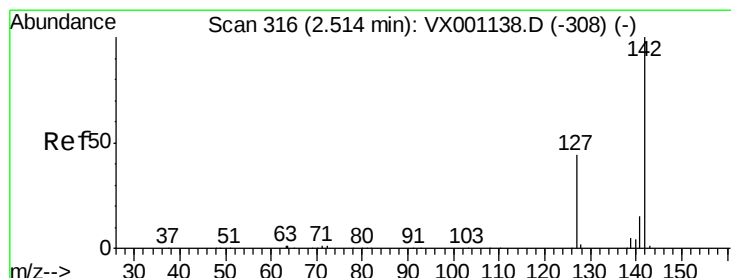
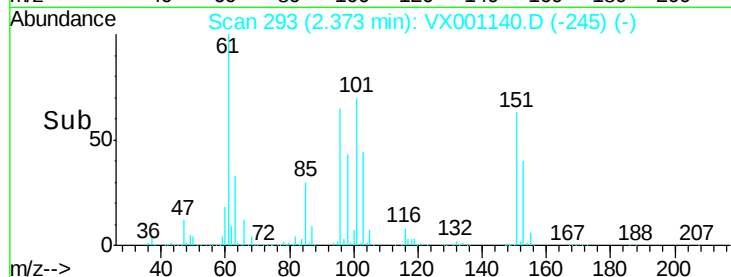
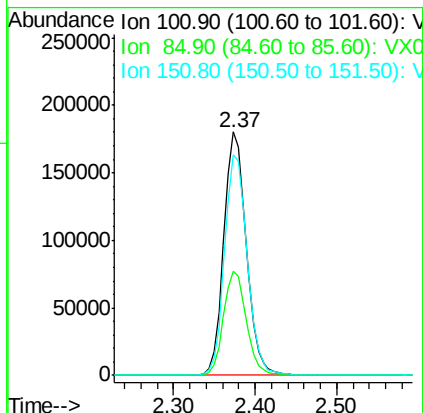
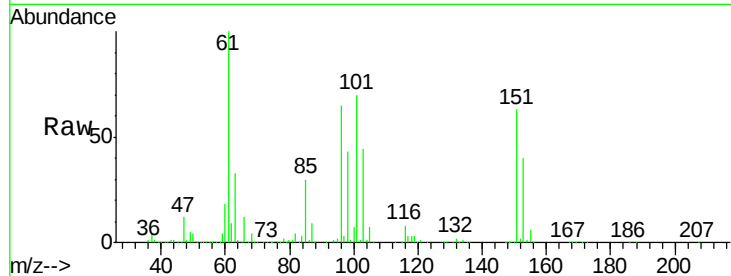
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	343657
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.4	53.0
151	91.5	74.2	111.4

Manual Integrations
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#10

Methyl Iodide

Concen: 208.04 ug/l

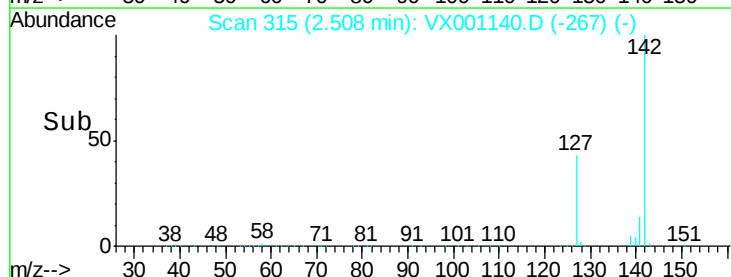
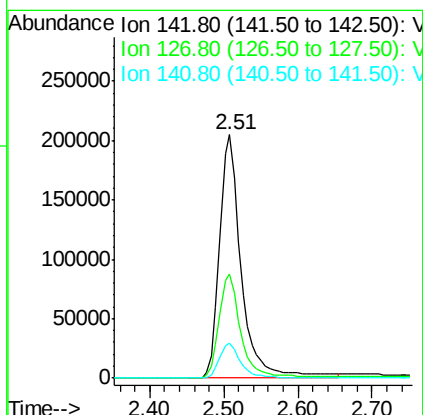
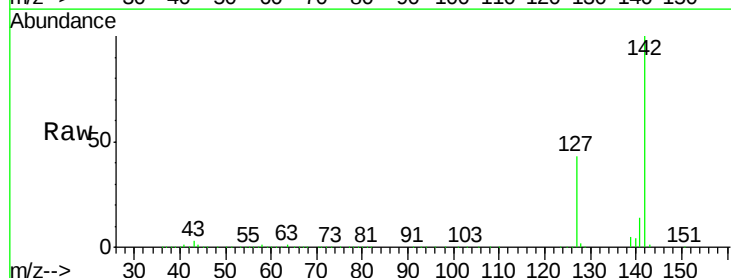
RT: 2.51 min Scan# 315

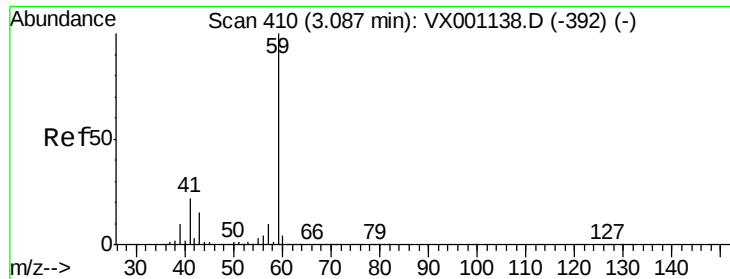
Delta R.T. -0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Tgt Ion:	142	Resp:	417947
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.7	52.1
141	14.0	11.6	17.4





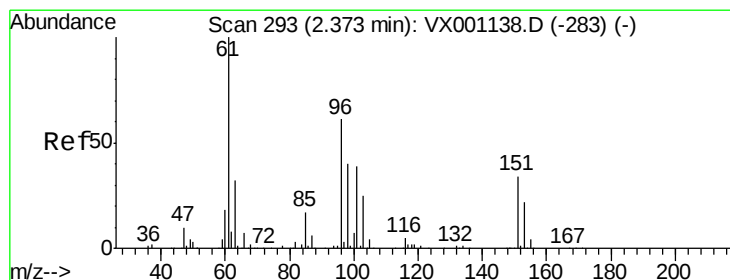
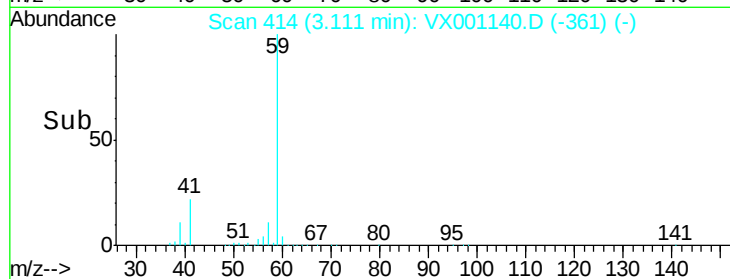
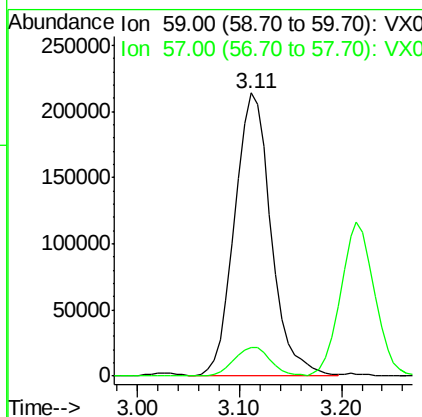
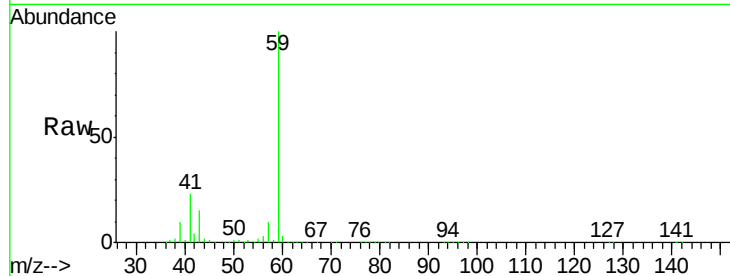
#11
Tert butyl alcohol
Concen: 1070.97 ug/l
RT: 3.11 min Scan# 414
Delta R.T. 0.02 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

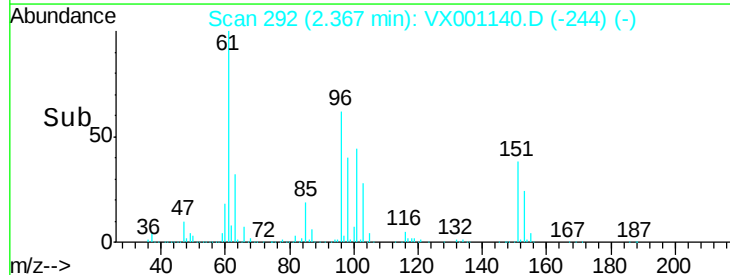
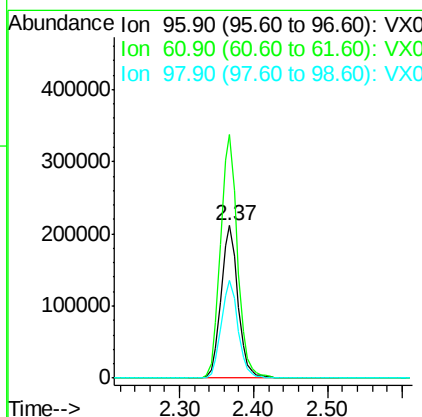
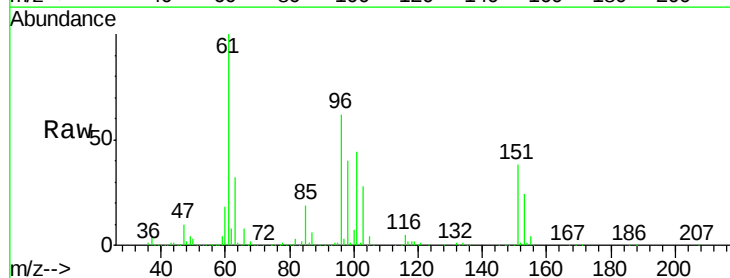
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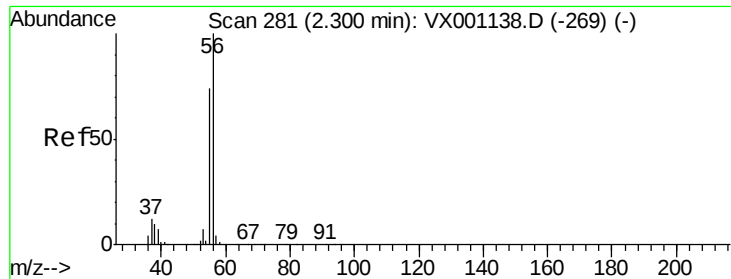
MMDadoda
4/30/2018 6:03:27 PM



#12
1,1-Dichloroethene
Concen: 150.03 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.2	130.2	195.4
98	64.2	51.5	77.3





#13

Acrolein

Concen: 1210.34 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 200902

Ion Ratio Lower Upper

56 100

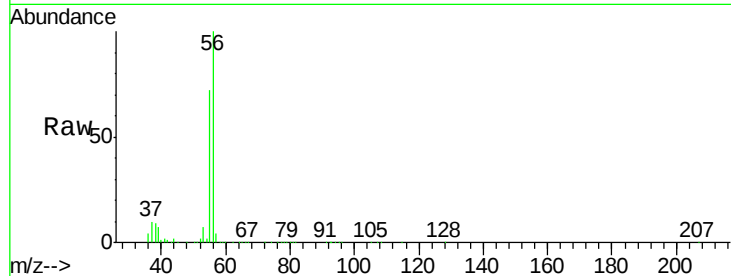
55 70.3 57.2 85.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150000

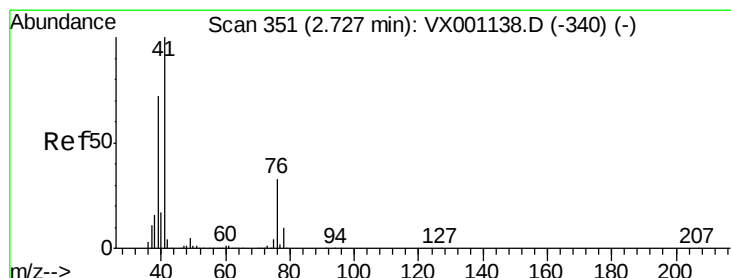
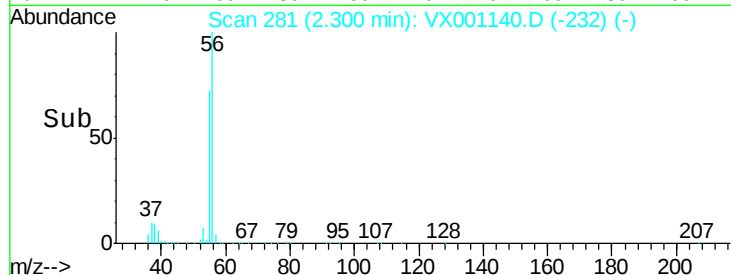
2.30

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 158.41 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

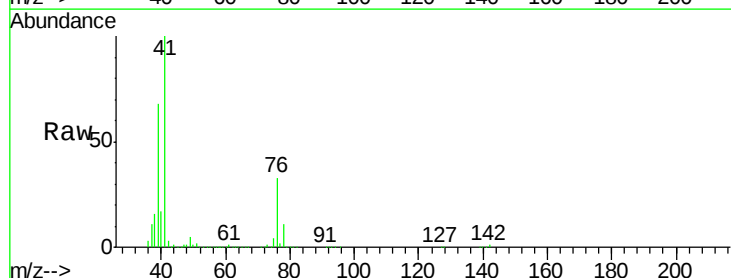
Tgt Ion: 41 Resp: 640626

Ion Ratio Lower Upper

41 100

39 67.4 55.6 83.4

76 31.5 24.8 37.2



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

400000

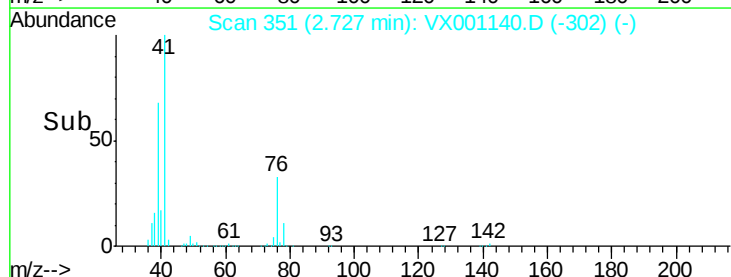
300000

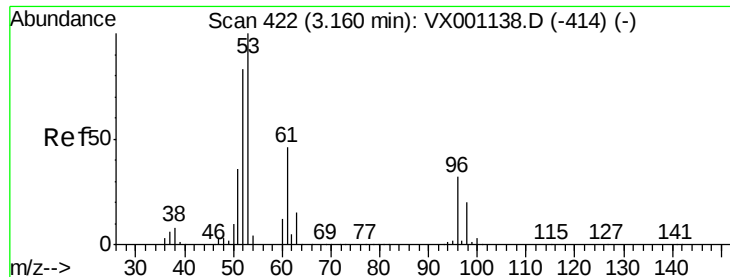
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 916.51 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1123658

Ion Ratio Lower Upper

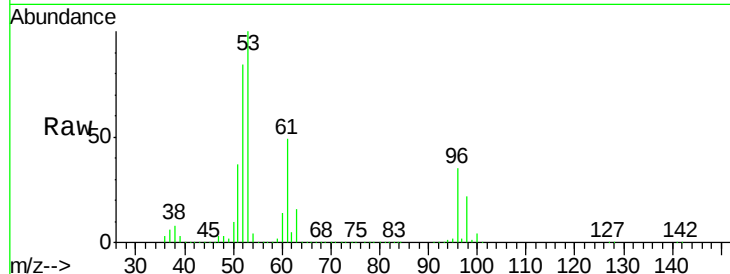
53 100

52 83.1 66.5 99.7

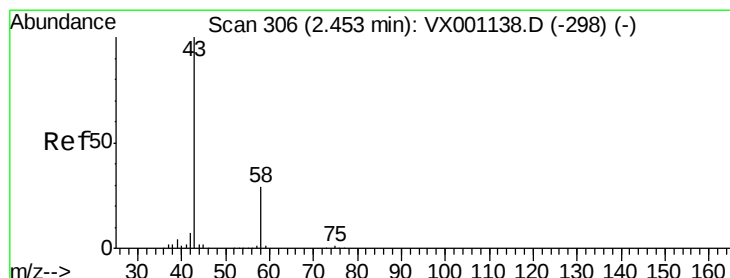
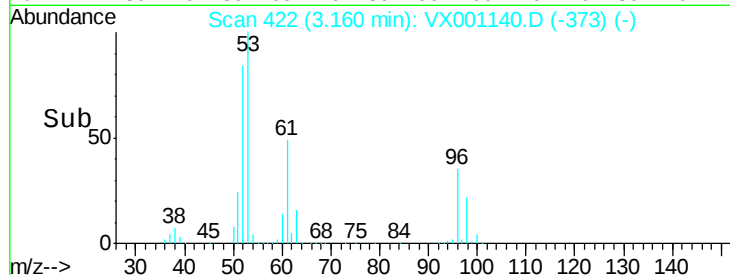
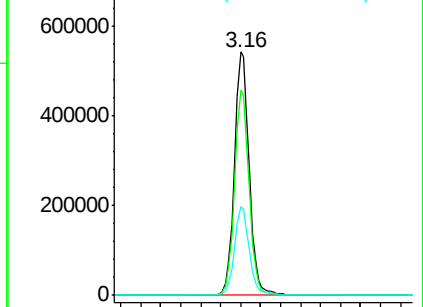
51 37.1 29.5 44.3

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 871.43 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX001140.D

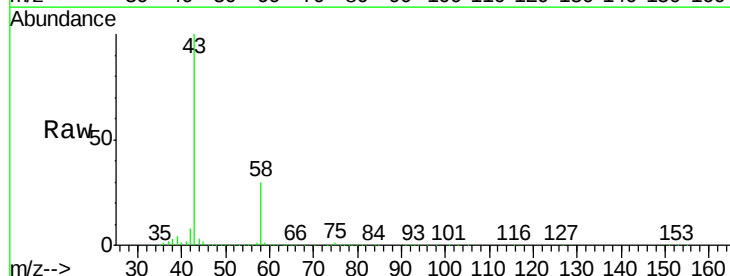
Acq: 26 Apr 2018 19:11

Tgt Ion: 43 Resp: 994576

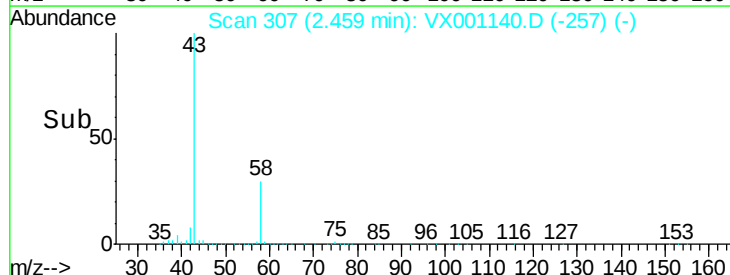
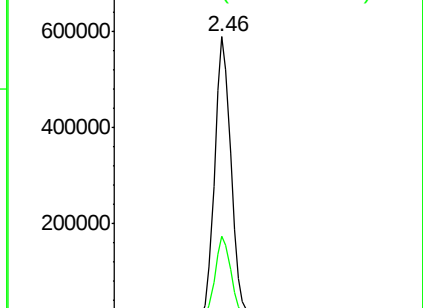
Ion Ratio Lower Upper

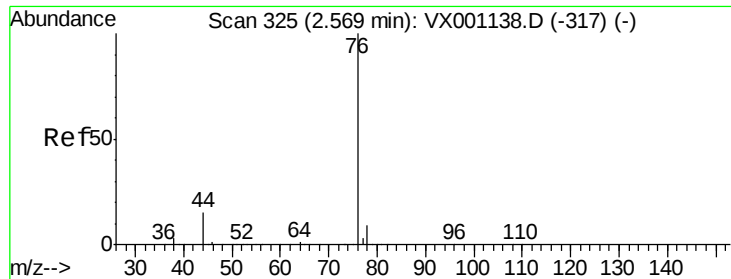
43 100

58 29.6 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





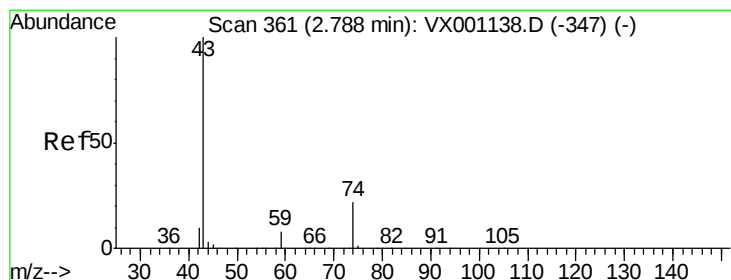
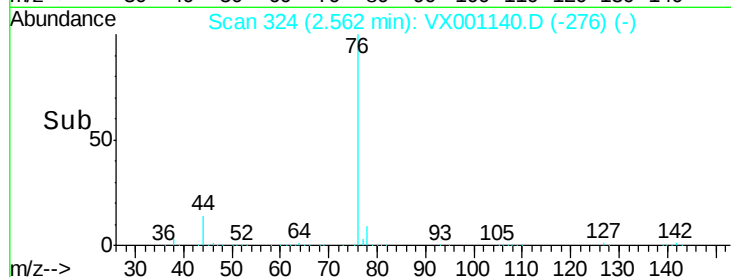
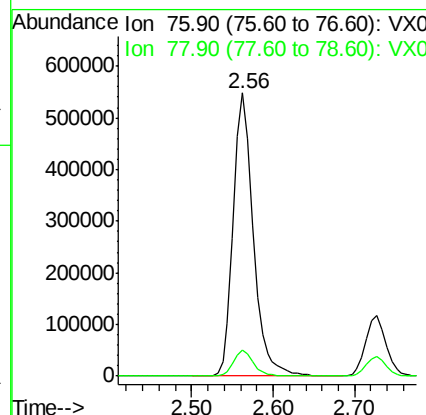
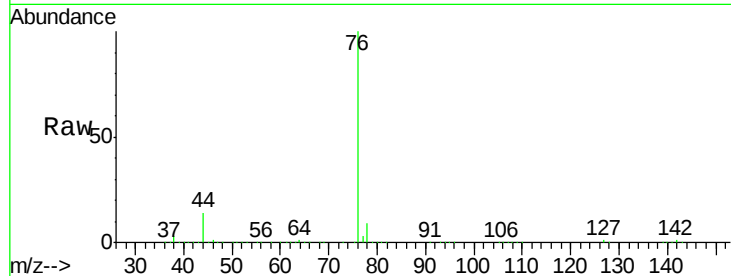
#17
Carbon Disulfide
Concen: 149.34 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

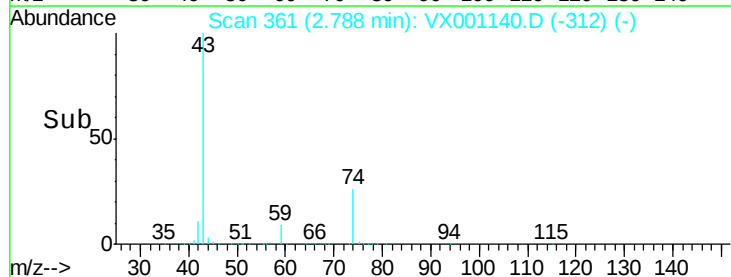
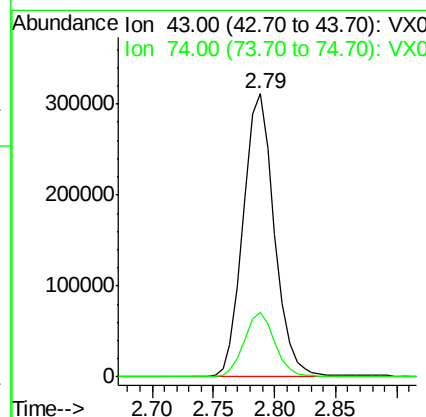
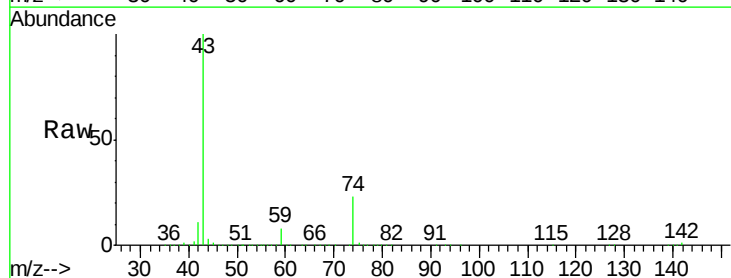
Manual Integrations
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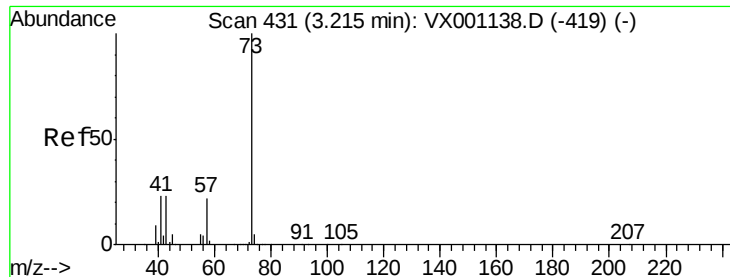
MMDadoda
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#18
Methyl Acetate
Concen: 166.01 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.1	27.1





#19

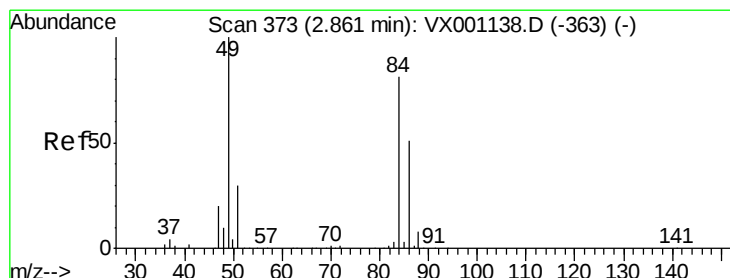
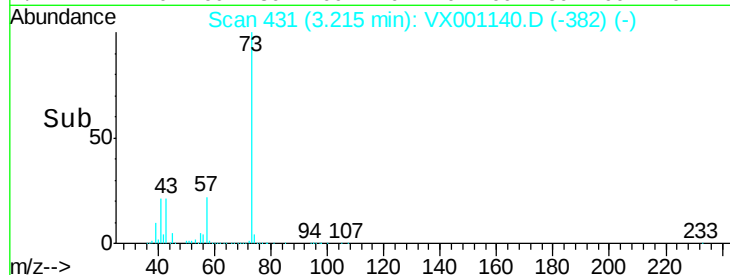
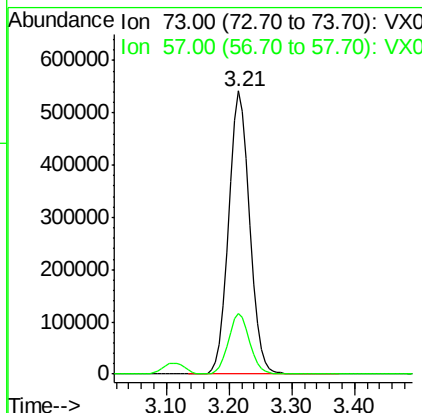
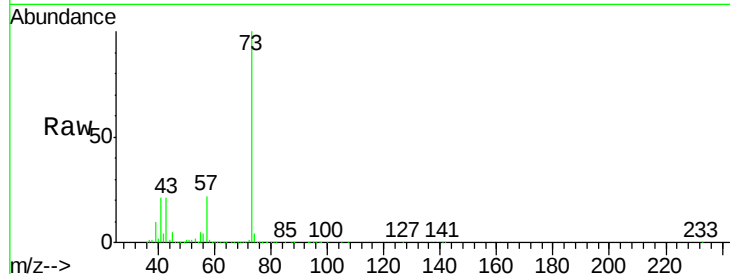
Methyl tert-butyl Ether
 Concen: 164.83 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1251965
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.7 26.5

Manual Integrations
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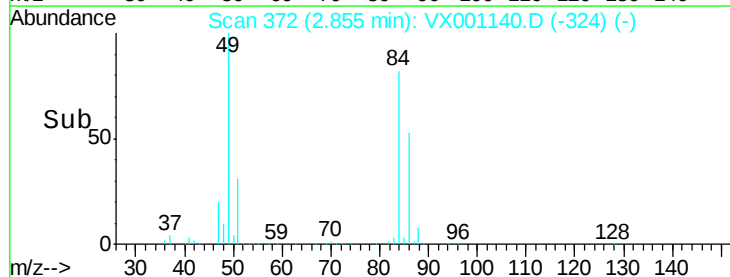
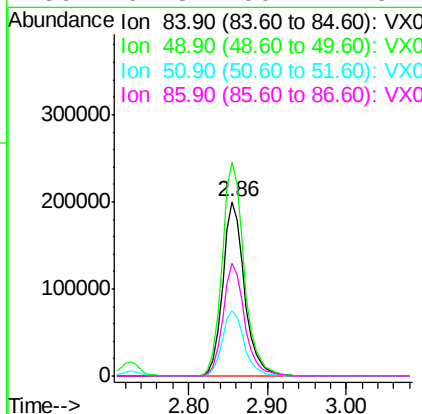
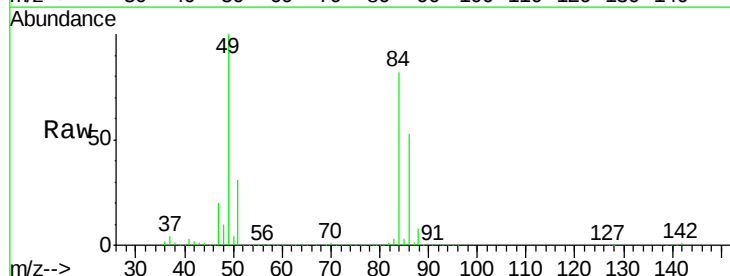
MMDadoda
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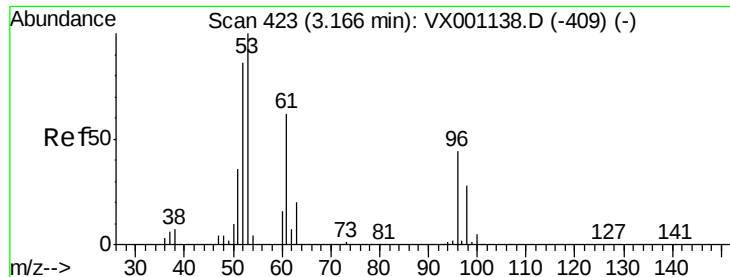


#20

Methylene Chloride
 Concen: 149.68 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Tgt Ion: 84 Resp: 382303
 Ion Ratio Lower Upper
 84 100
 49 122.4 99.2 148.8
 51 37.7 29.5 44.3
 86 64.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 148.88 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

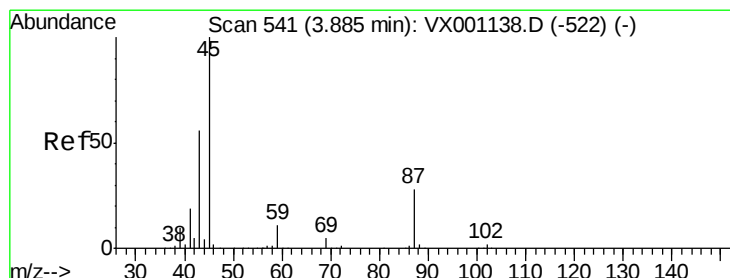
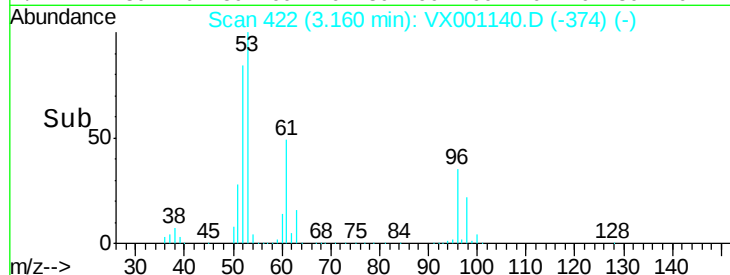
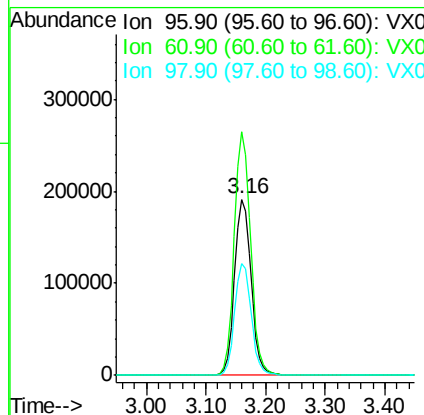
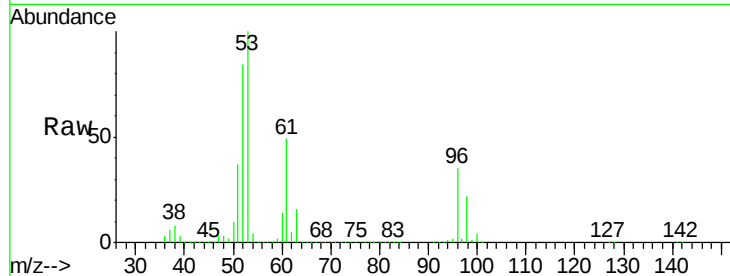
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	368122
Ion Ratio	Lower	Upper	
96	100		
61	138.4	111.9	167.9
98	63.6	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 164.74 ug/l

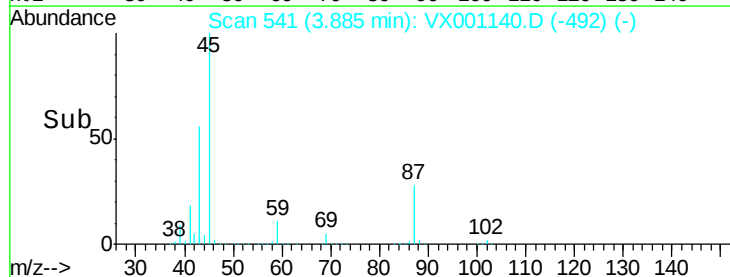
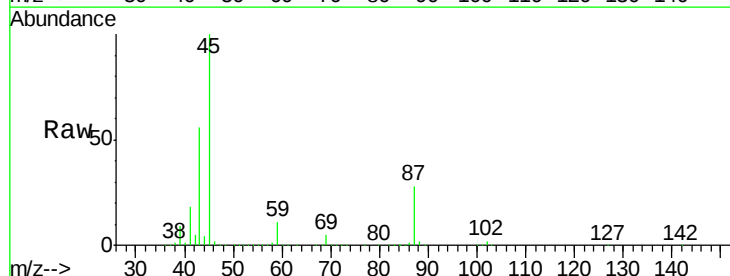
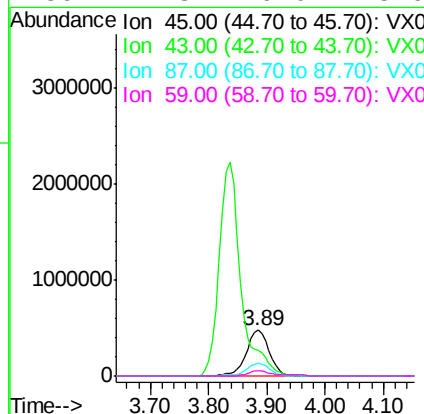
RT: 3.89 min Scan# 541

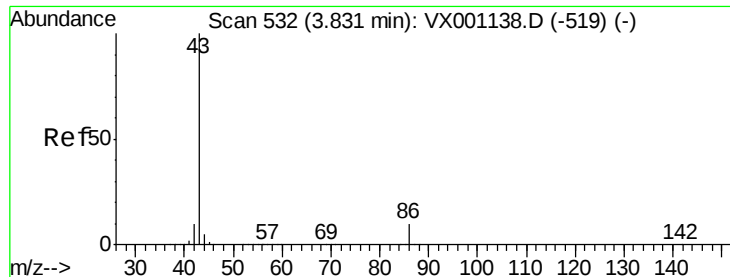
Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Tgt Ion:	45	Resp:	1289256
Ion Ratio	Lower	Upper	
45	100		
43	56.4	45.0	67.4
87	28.3	22.8	34.2
59	11.3	9.0	13.6





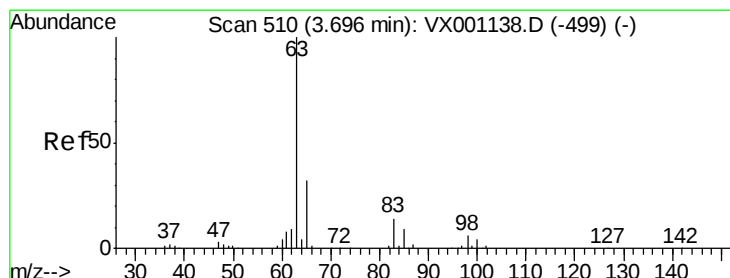
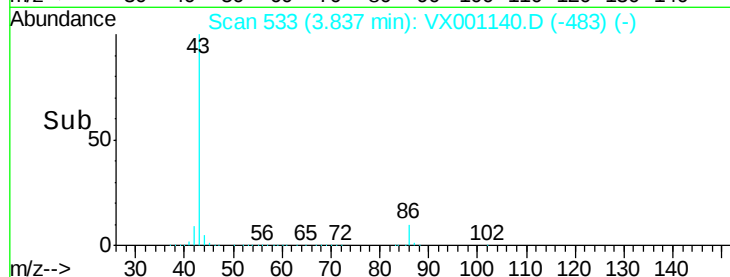
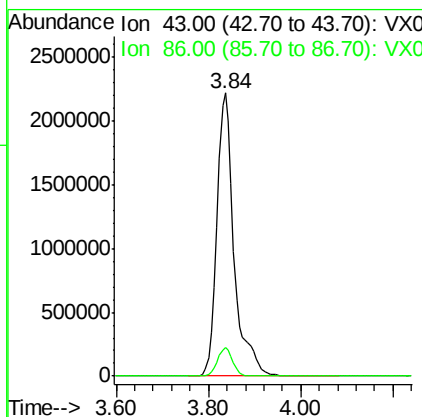
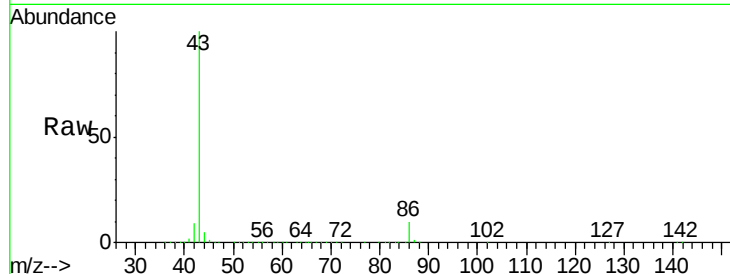
#23
 Vinyl Acetate
 Concen: 871.97 ug/l
 RT: 3.84 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 5726495
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.0 12.0

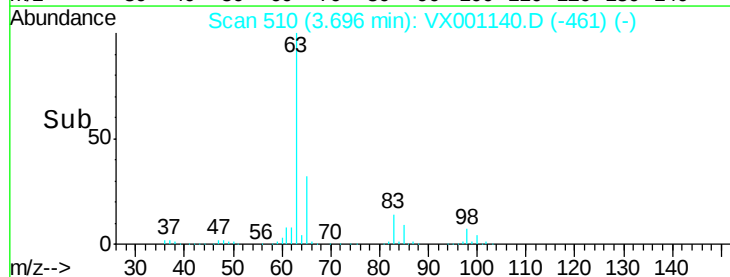
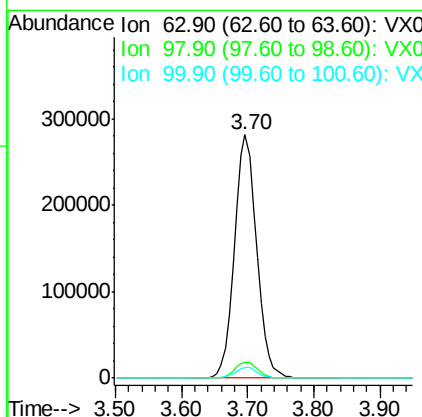
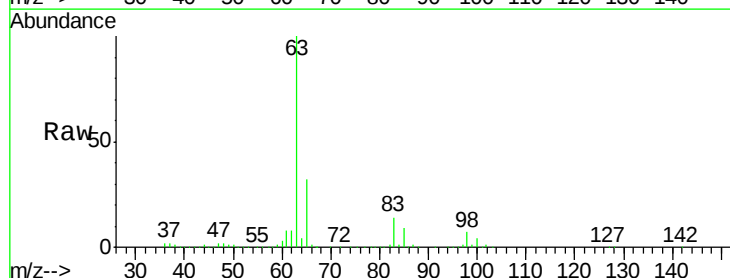
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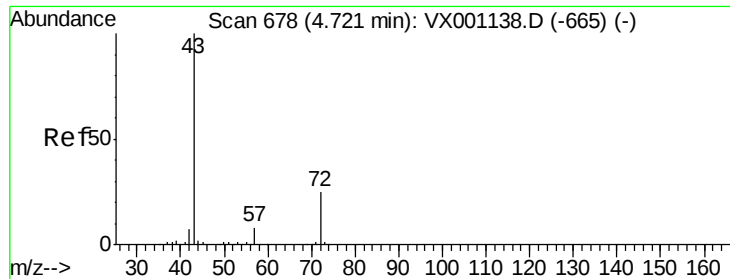
MMDadoda
 4/30/2018 6:03:27 PM



#24
 1,1-Dichloroethane
 Concen: 150.07 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Tgt Ion: 63 Resp: 652268
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.1 9.4
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 907.81 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1608910

Ion Ratio Lower Upper

43 100

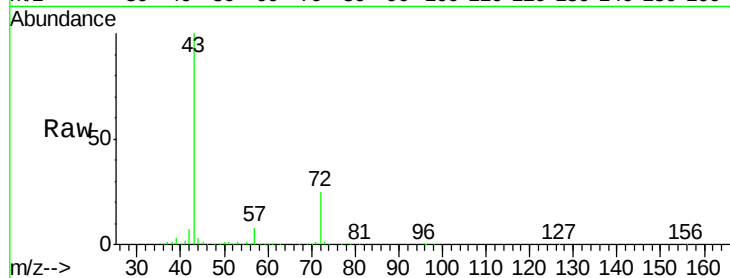
72 25.1 20.0 30.0

Manual Integrations

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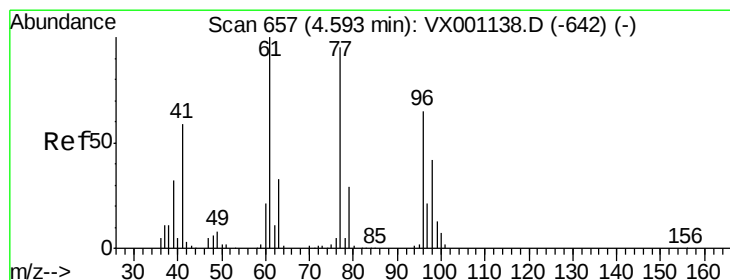
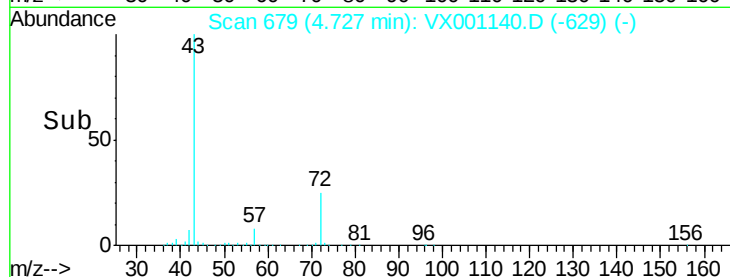
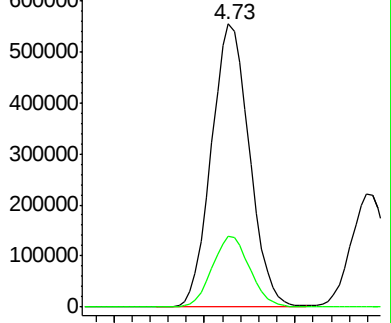
MMDadoda

4/30/2018 6:03:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 144.47 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001140.D

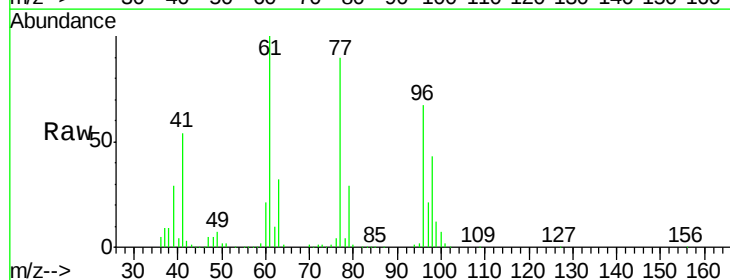
Acq: 26 Apr 2018 19:11

Tgt Ion: 77 Resp: 531368

Ion Ratio Lower Upper

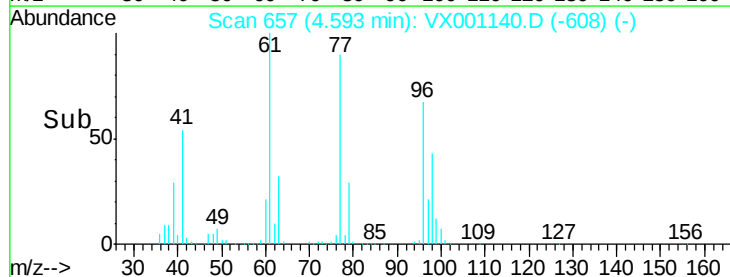
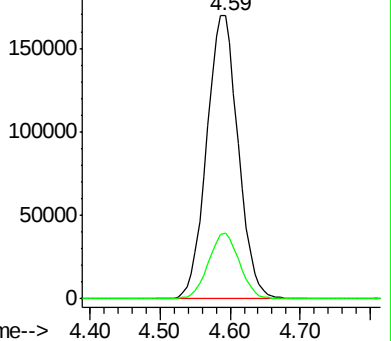
77 100

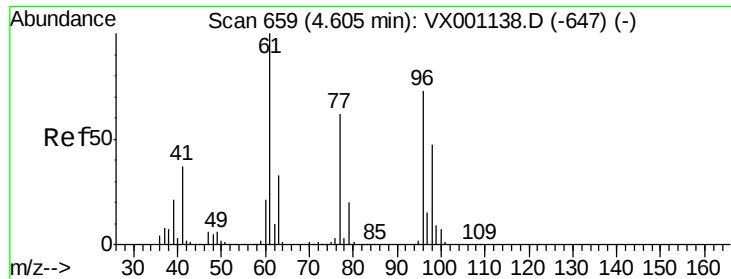
97 22.9 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 150.91 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001140.D

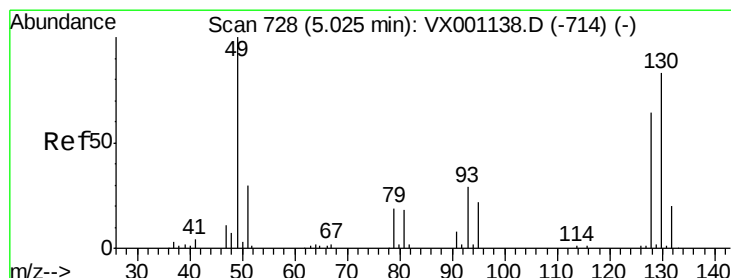
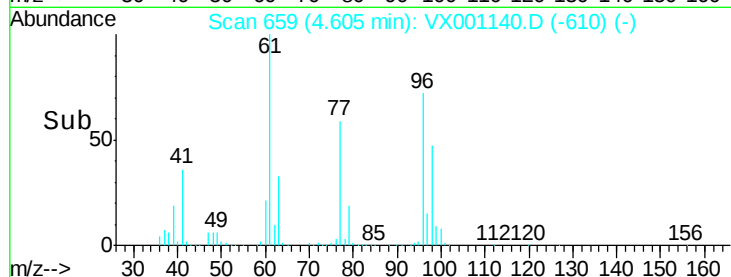
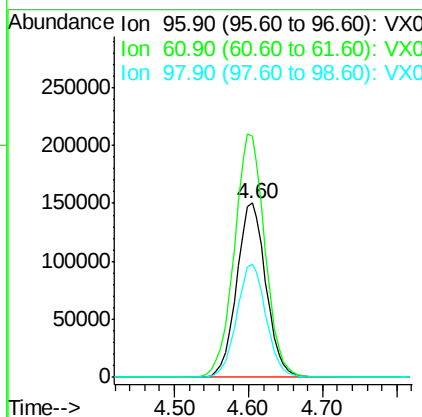
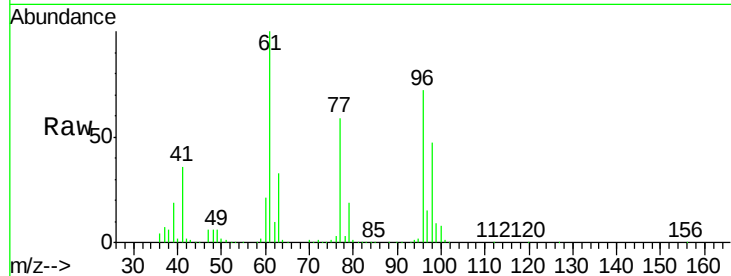
Acq: 26 Apr 2018 19:11

Tot Ion:	96	Resp:	415099
Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	289.0
98	65.2	0.0	128.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Manual Integrations
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#28

Bromochloromethane

Concen: 168.06 ug/l

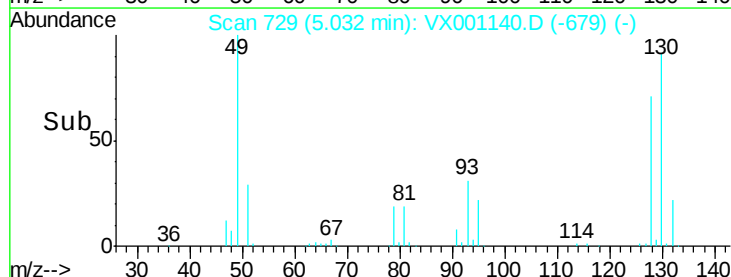
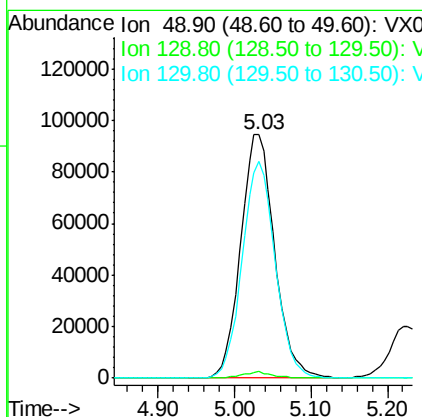
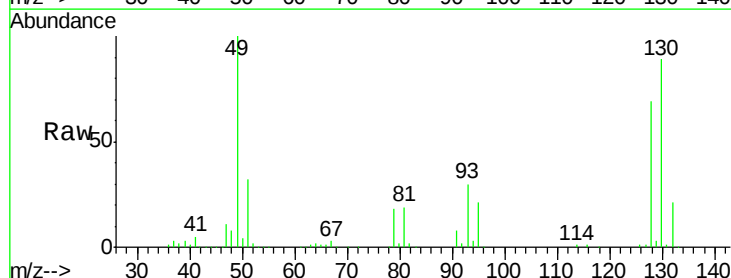
RT: 5.03 min Scan# 729

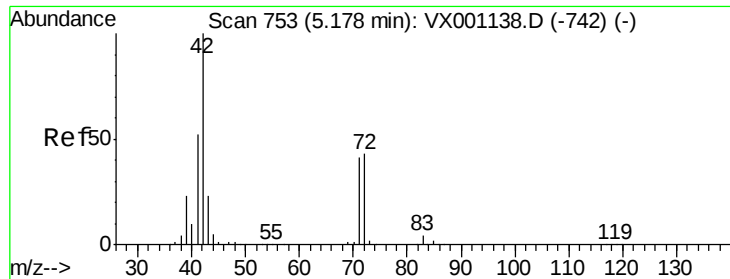
Delta R.T. 0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Tgt Ion:	49	Resp:	291224
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	86.6	68.2	102.2





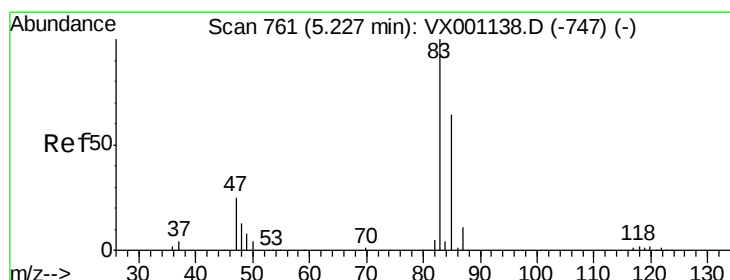
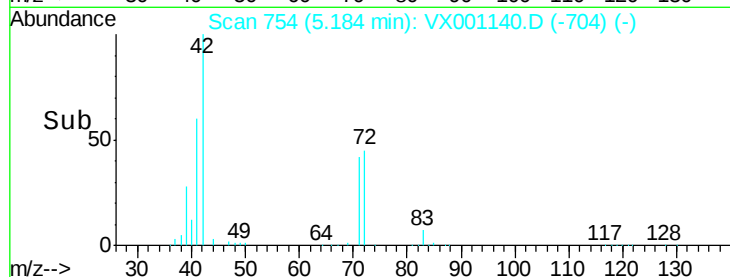
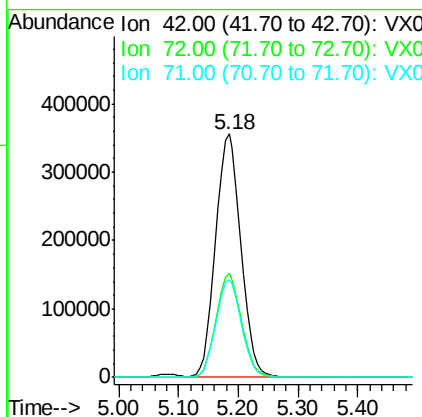
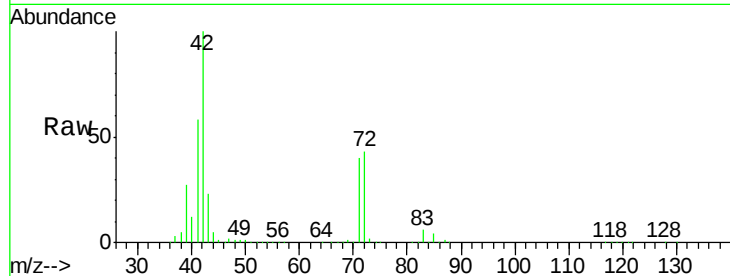
#29
Tetrahydrofuran
Concen: 931.05 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.4	51.6
71	40.4	32.1	48.1

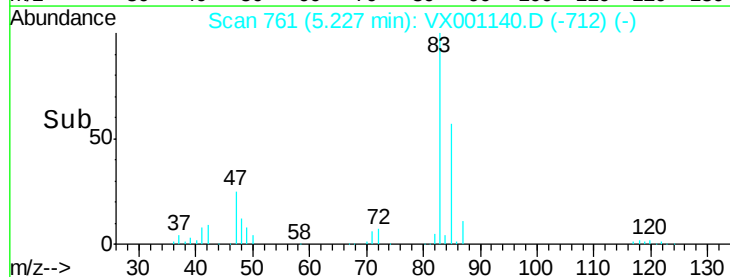
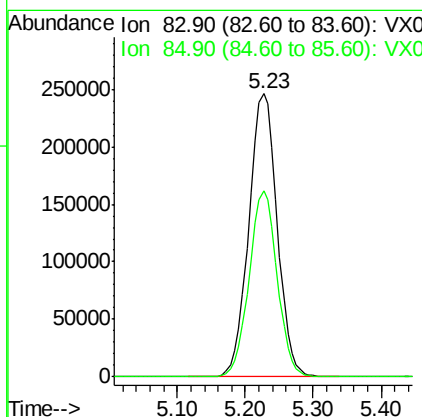
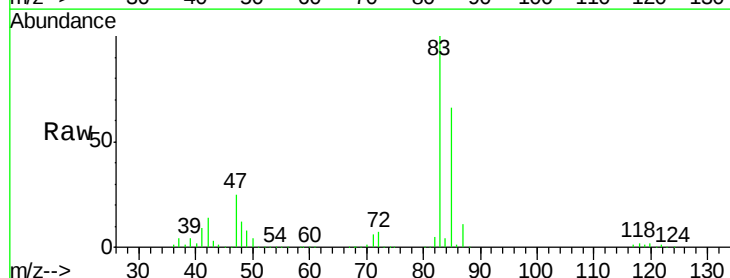
Manual Integrations
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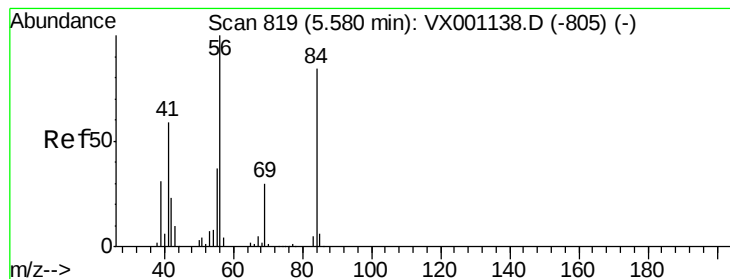
MMDadoda
4/30/2018 6:03:27 PM



#30
Chloroform
Concen: 158.29 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.0





#31

Cyclohexane

Concen: 140.17 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

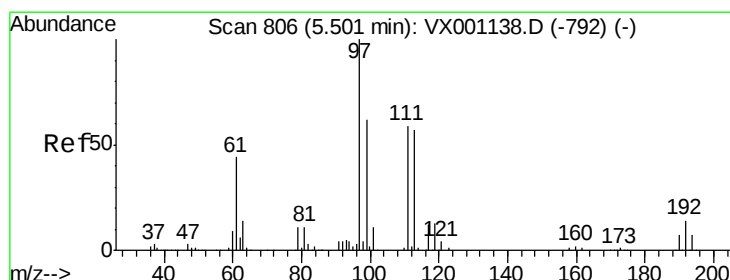
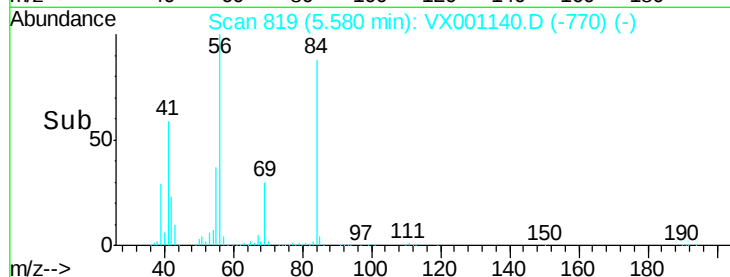
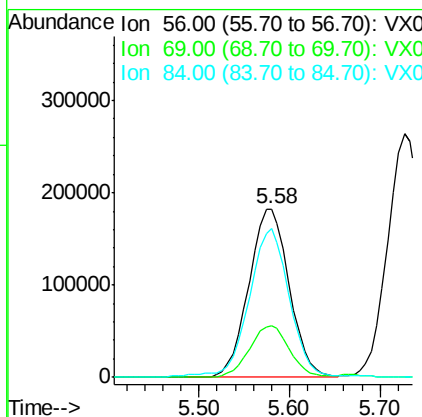
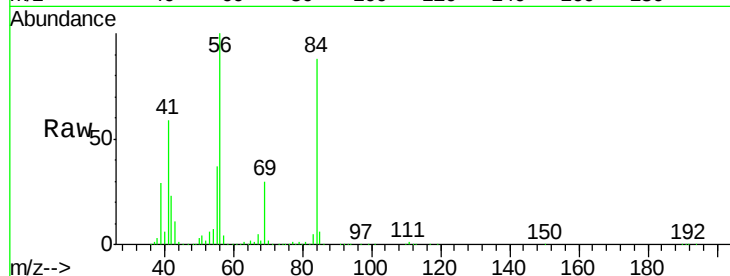
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	560626
Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.2	36.2
84	87.1	67.5	101.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 158.26 ug/l

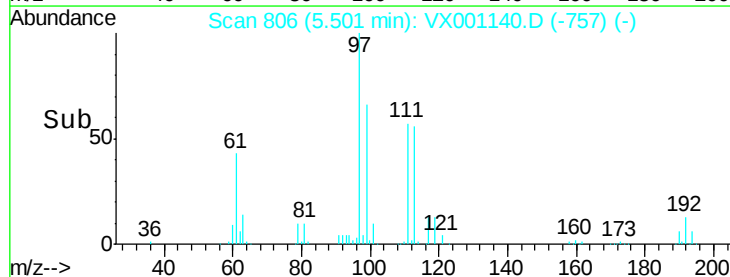
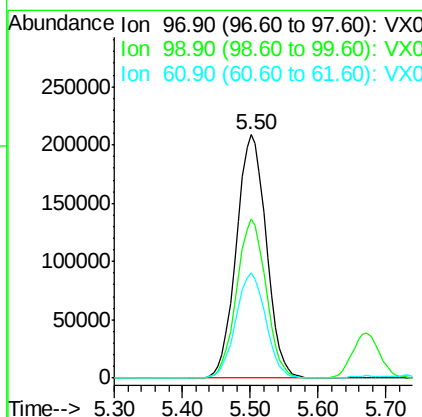
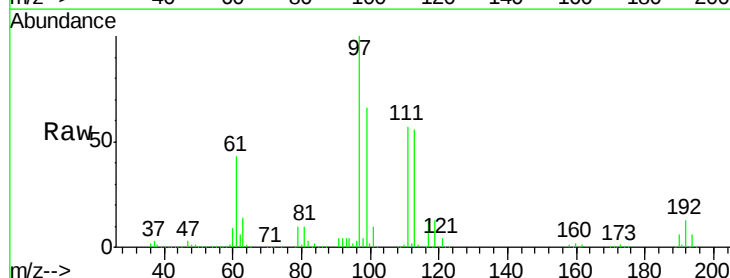
RT: 5.50 min Scan# 806

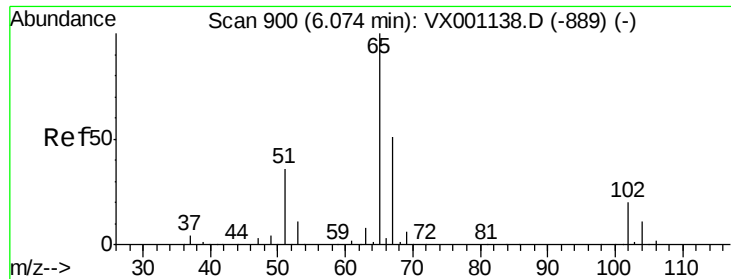
Delta R.T. 0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Tgt Ion:	97	Resp:	638528
Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.9	76.3
61	43.3	35.0	52.6





#33

1,2-Dichloroethane-d4

Concen: 166.64 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001140.D

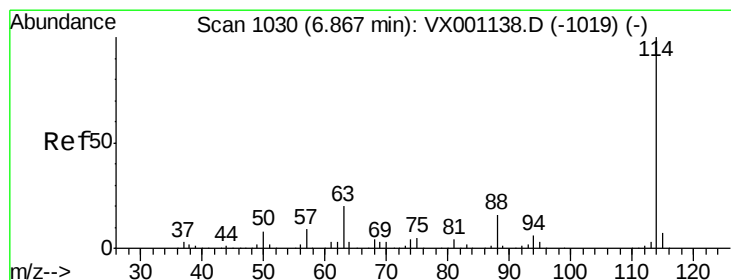
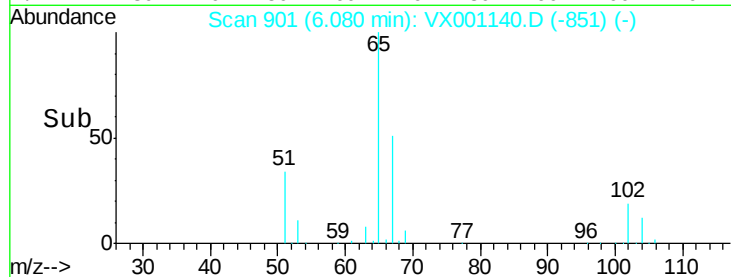
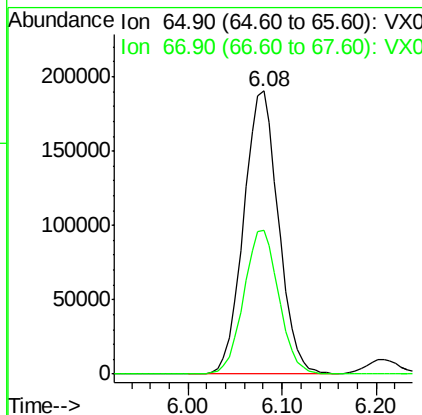
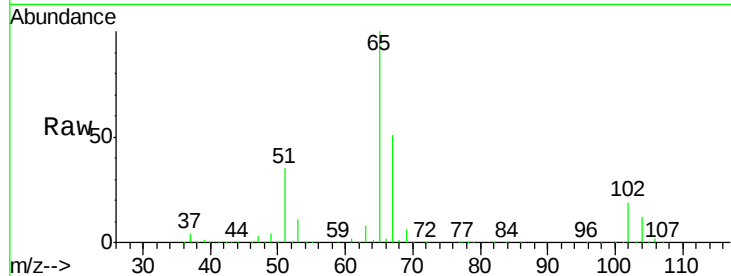
Acq: 26 Apr 2018 19:11

Tot Ion	Ratio	Resp	Lower	Upper
65	100	493527		
67	51.1	0.0	102.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

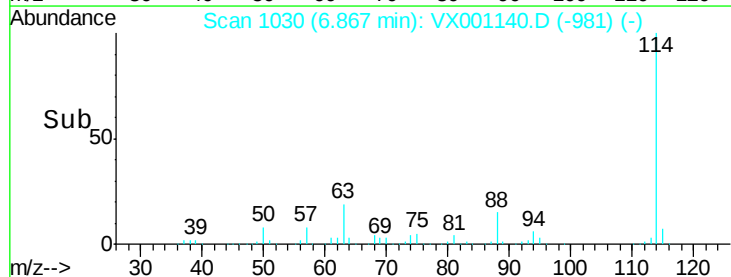
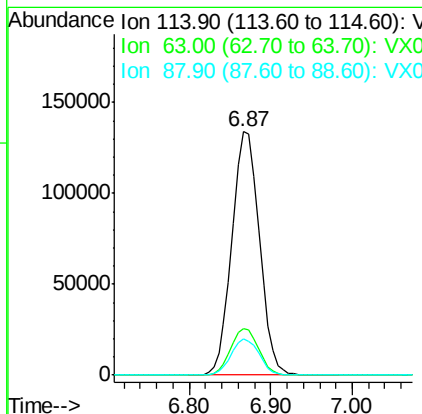
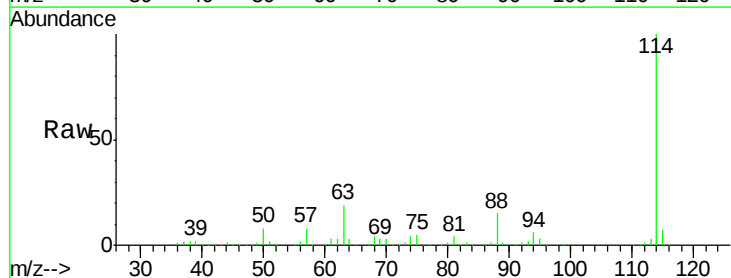
RT: 6.87 min Scan# 1030

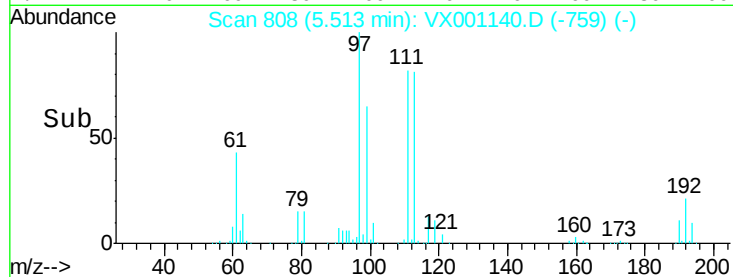
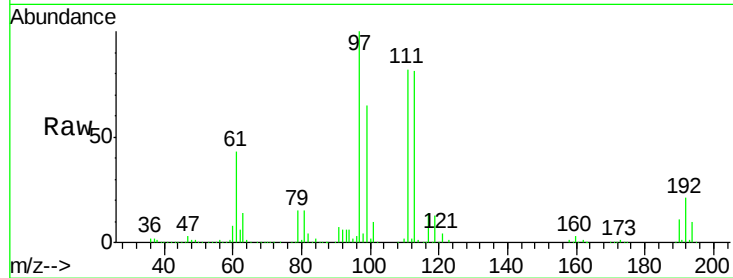
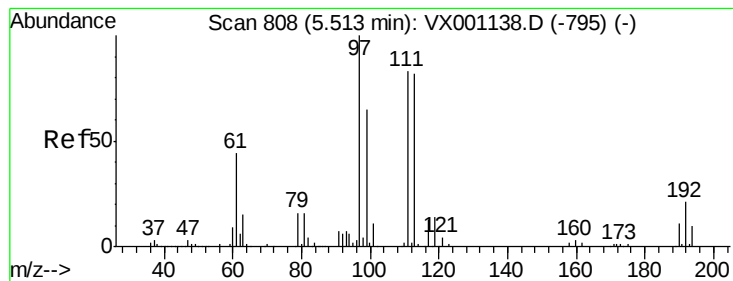
Delta R.T. 0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	312593		
63	19.4	0.0	40.4	
88	14.7	0.0	31.8	





#35

Dibromofluoromethane

Concen: 165.82 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001140.D

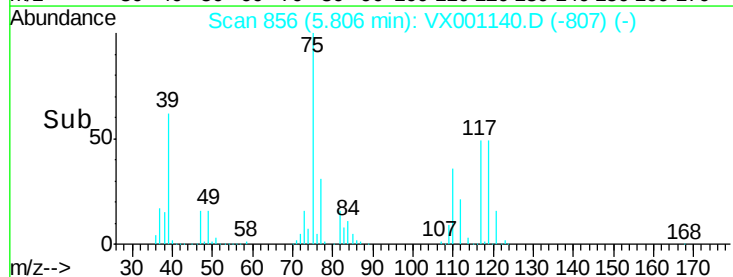
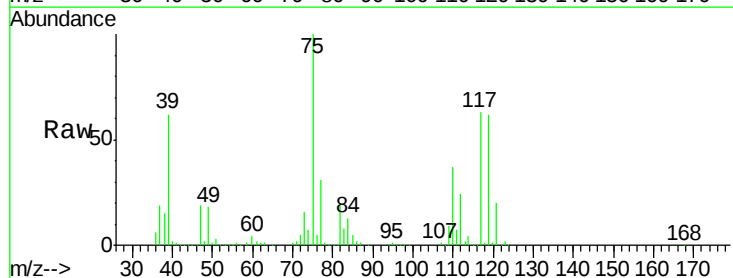
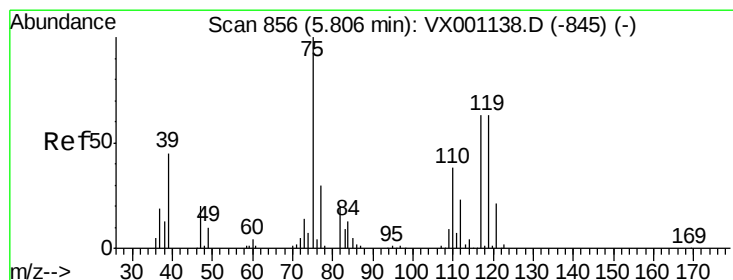
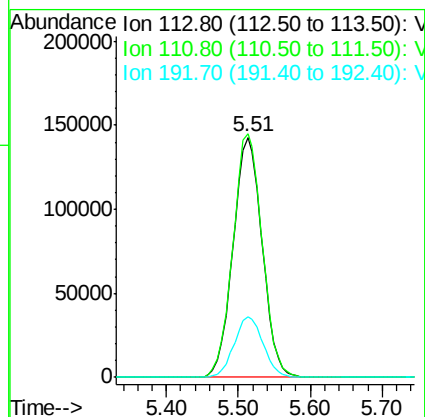
Acq: 26 Apr 2018 19:11

Tot Ion	113	Resp	400071
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	25.3	20.6	30.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 141.89 ug/l

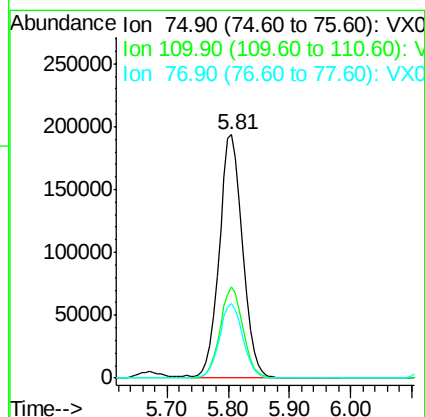
RT: 5.81 min Scan# 856

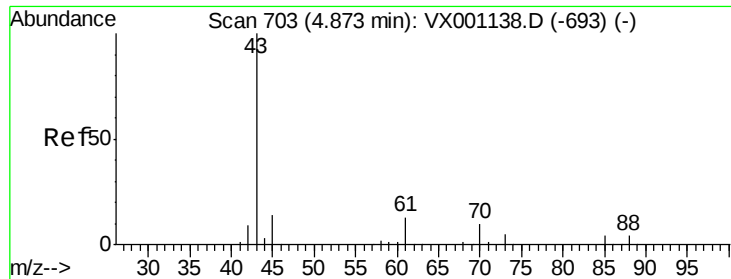
Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Tgt Ion	75	Resp	513897
Ion	Ratio	Lower	Upper
75	100		
110	36.9	19.0	57.0
77	31.1	24.8	37.2





#37

Ethyl Acetate

Concen: 182.03 ug/l

RT: 4.88 min Scan# 704

Delta R.T. 0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

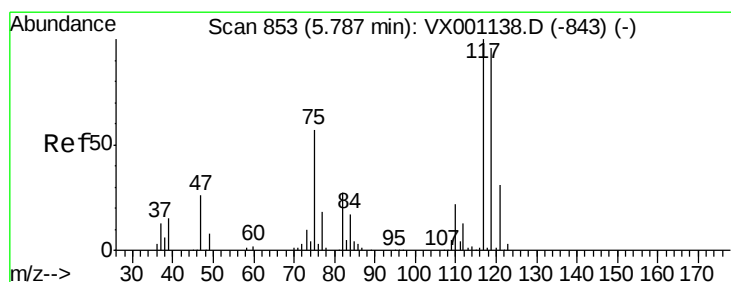
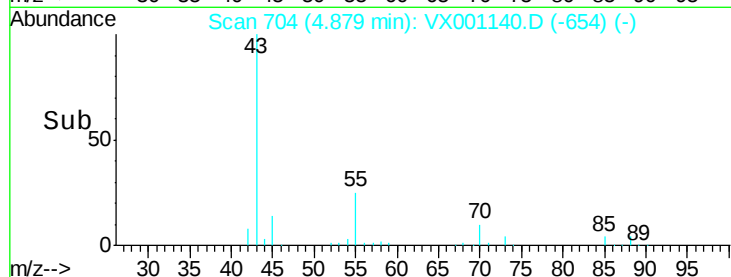
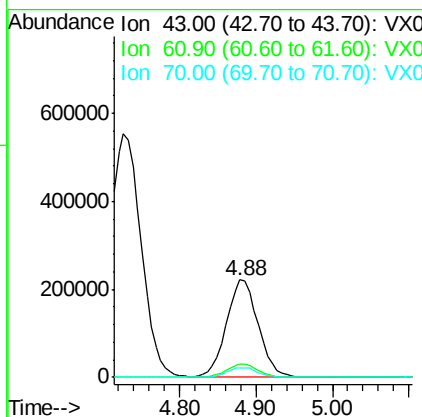
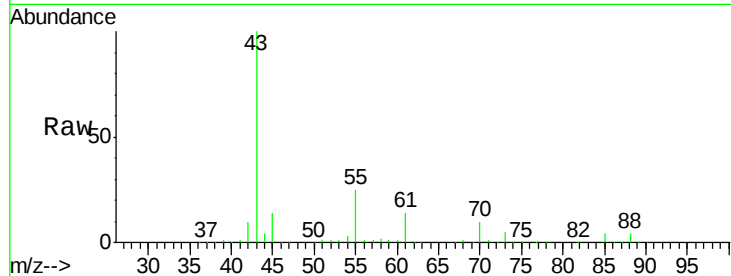
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	634433
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.6
70	10.2	8.2	12.2

Manual Integrations
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MMDadoda
4/30/2018 6:03:27 PM



#38

Carbon Tetrachloride

Concen: 154.60 ug/l

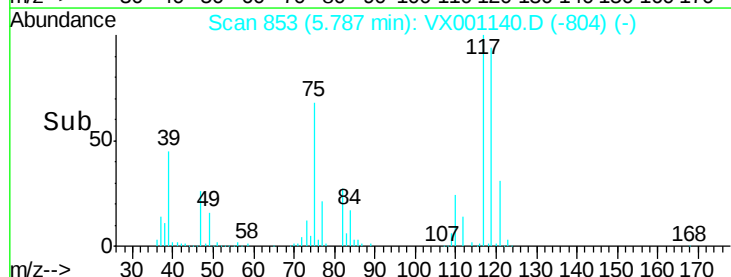
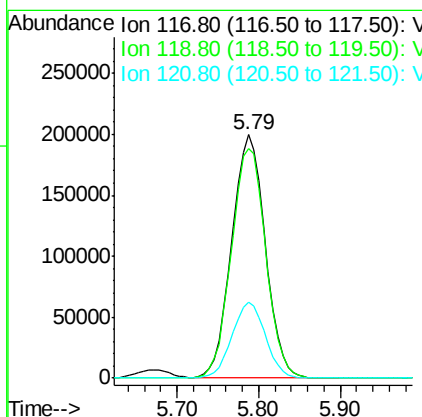
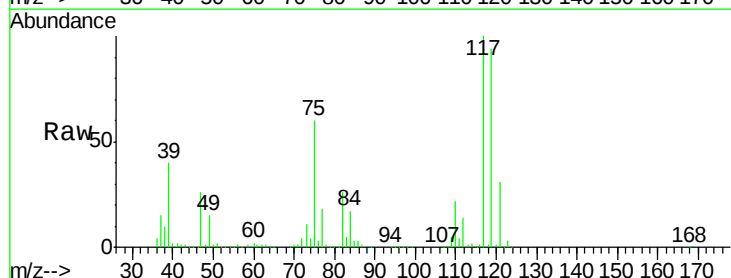
RT: 5.79 min Scan# 853

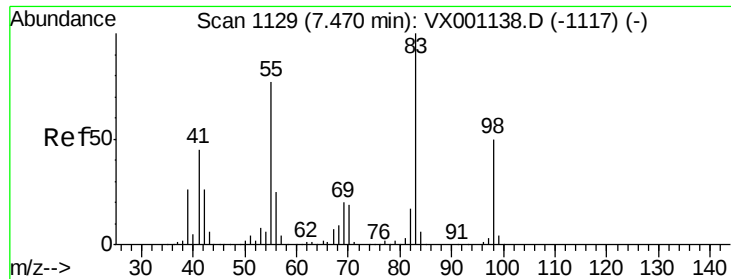
Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Tgt Ion:	117	Resp:	568233
Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.5	114.7
121	31.3	24.6	37.0





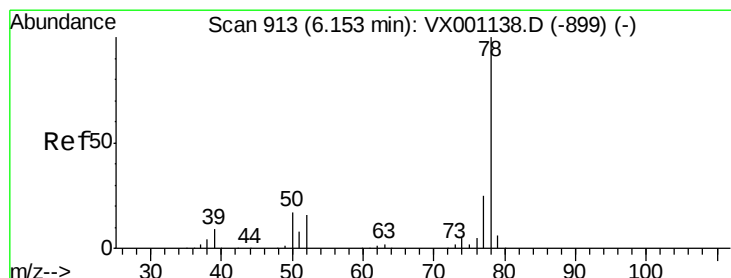
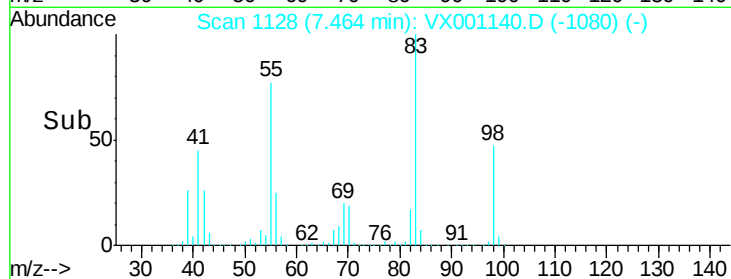
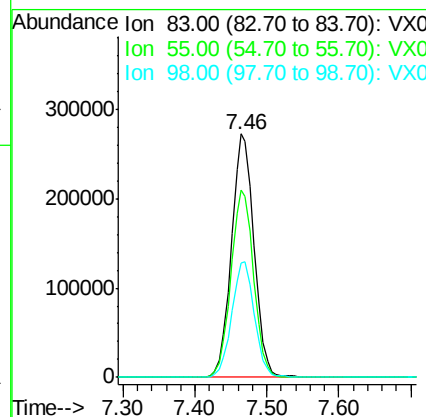
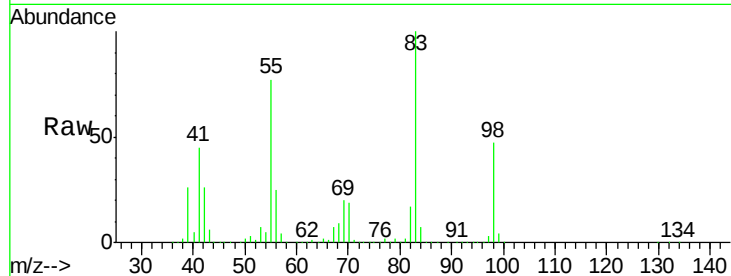
#39
Methvlcvclohexane
Concen: 142.03 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	593796		
55	77.1		61.8	92.6
98	47.0		40.0	60.0

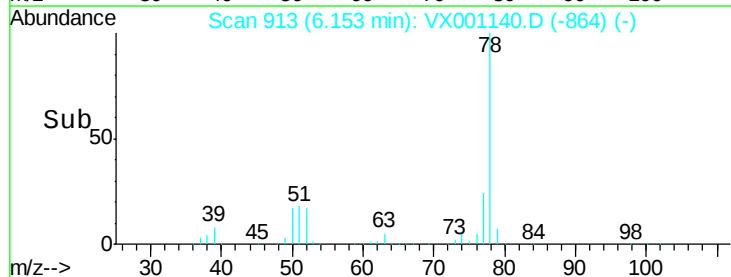
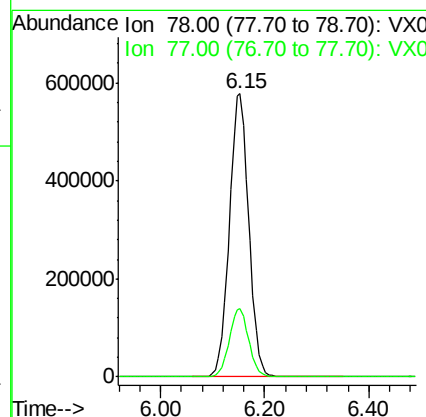
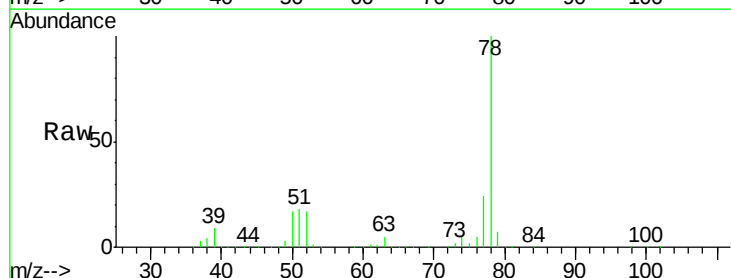
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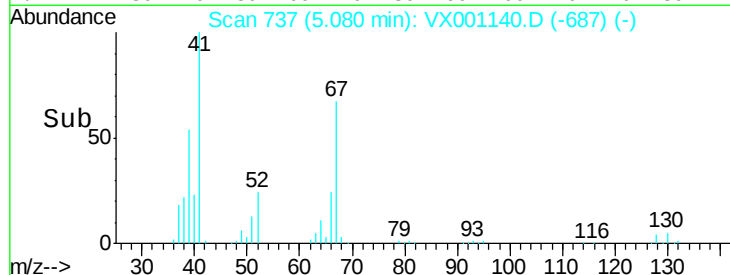
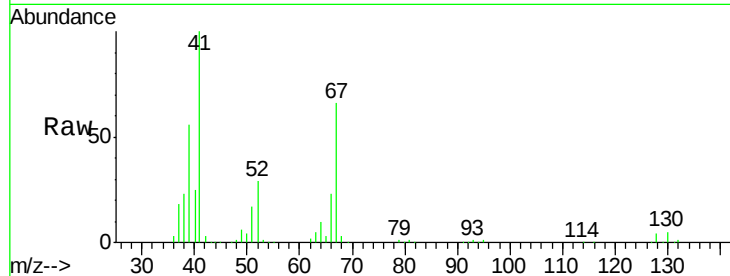
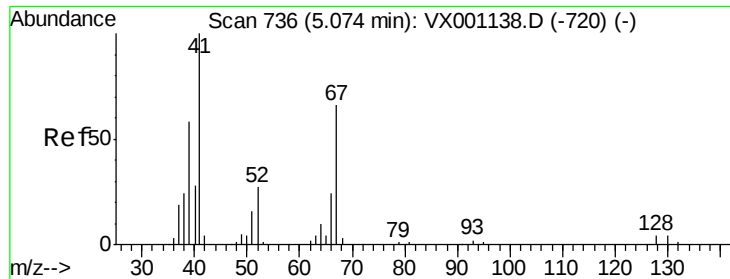
MMDadoda
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#40
Benzene
Concen: 148.72 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1513629		
77	24.3		19.7	29.5





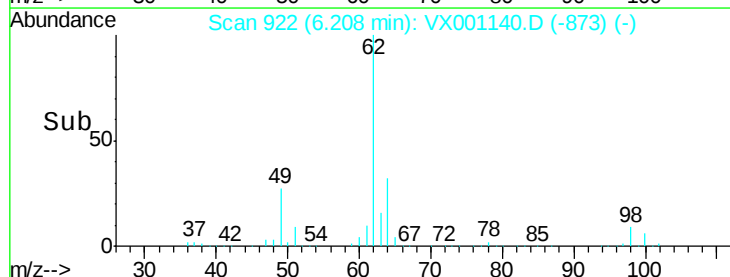
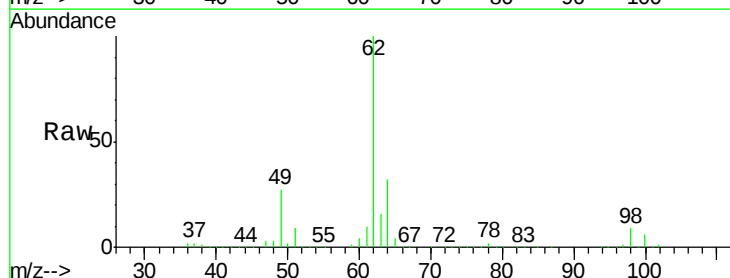
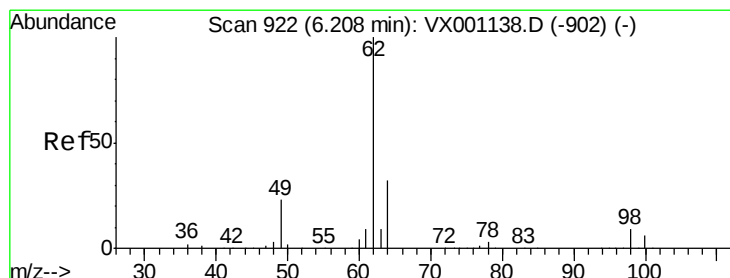
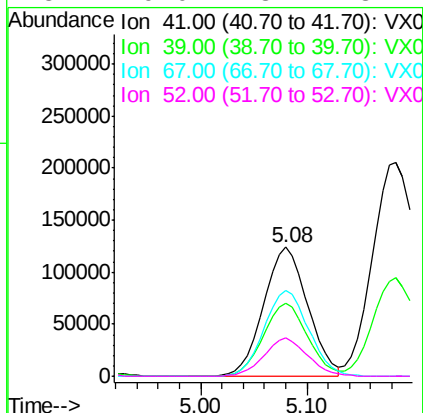
#41
Methacrylonitrile
Concen: 165.56 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		356198		
39	56.4	45.9	68.9		
67	67.6	53.2	79.8		
52	29.0	23.1	34.7		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

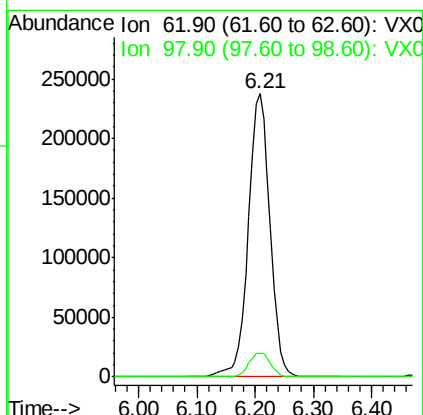
Manual Integrations
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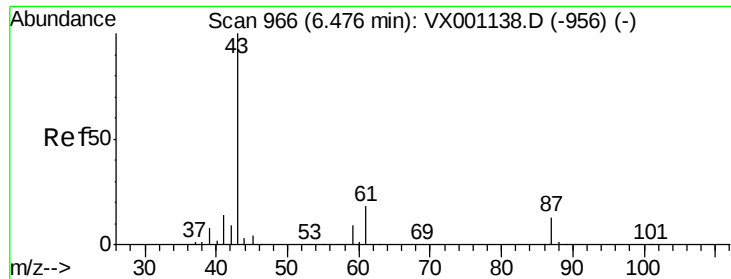
MMDadoda
4/30/2018 6:03:27 PM



#42
1,2-Dichloroethane
Concen: 153.99 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		607379		
98	8.6	0.0	17.0		





#43

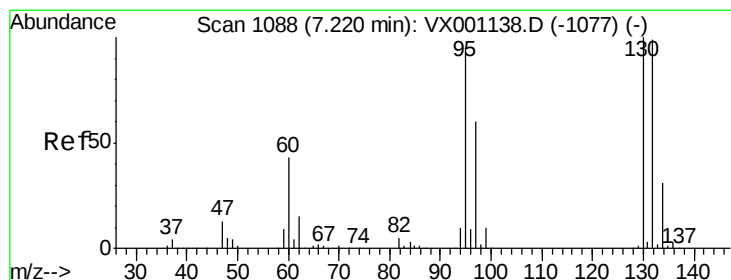
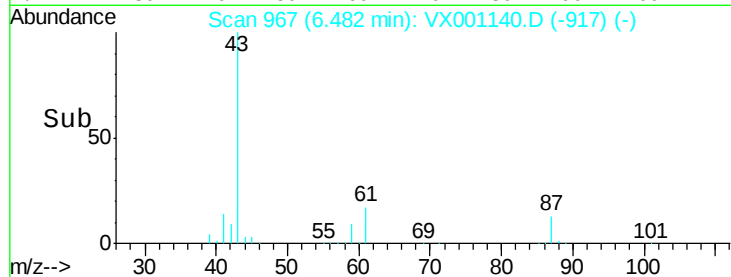
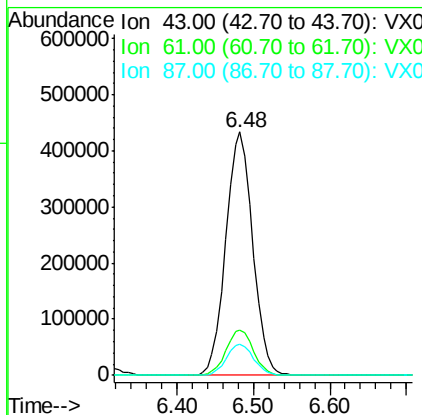
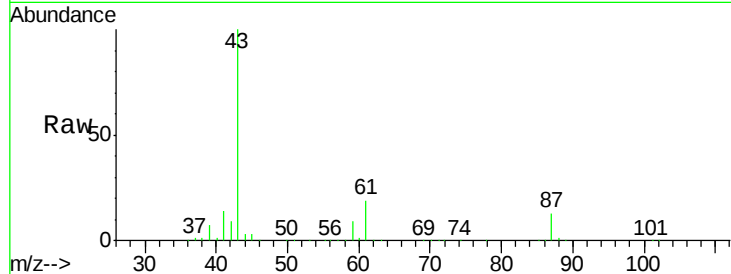
Isopropyl Acetate
 Concen: 177.81 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	43	61	87
Resp	1051918		
Ratio	100	18.9	13.0
Lower		15.0	10.3
Upper		22.6	15.5

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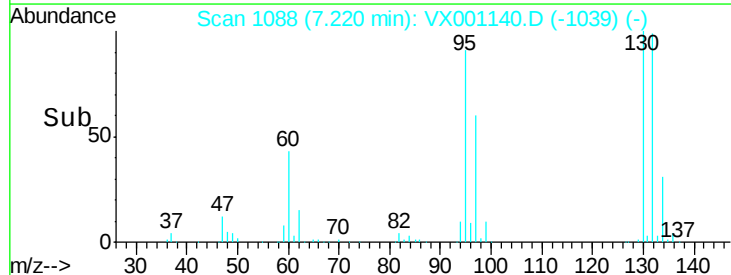
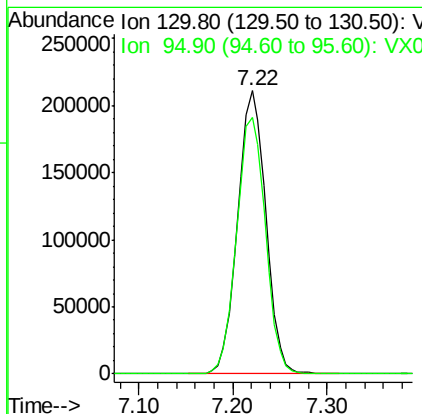
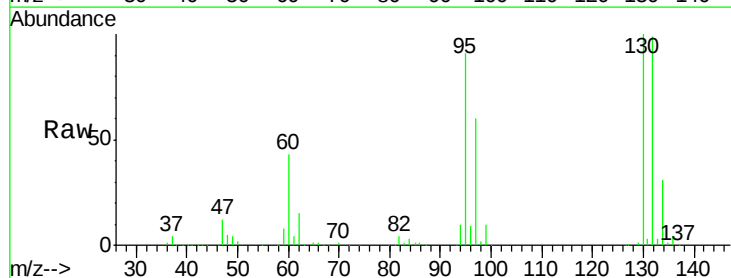
MMDadoda
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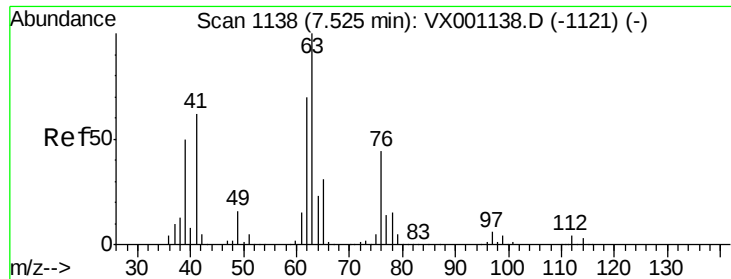


#44

Trichloroethene
 Concen: 143.02 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Tgt Ion	130	95
Resp	442218	
Ratio	100	90.8
Lower		0.0
Upper		189.6





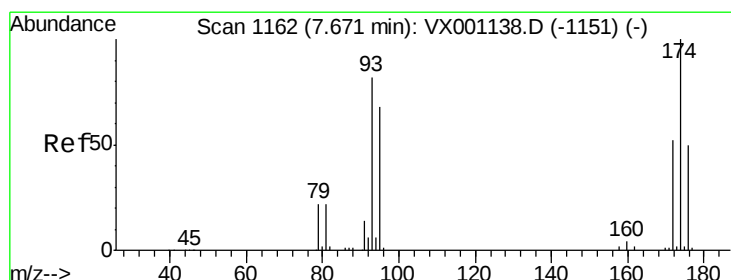
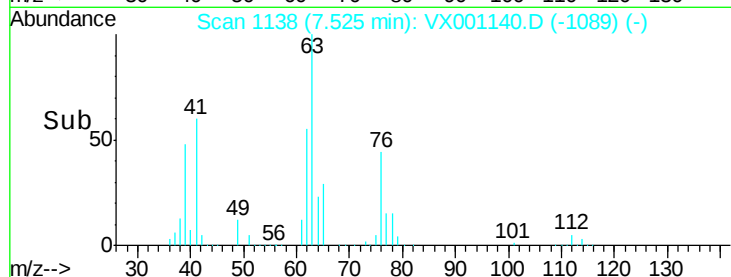
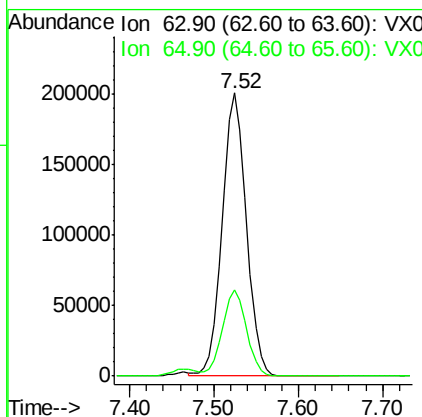
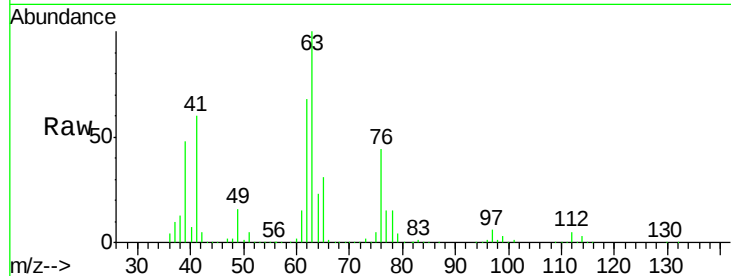
#45
 1,2-Dichloropropane
 Concen: 154.14 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 396193
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.9 37.3

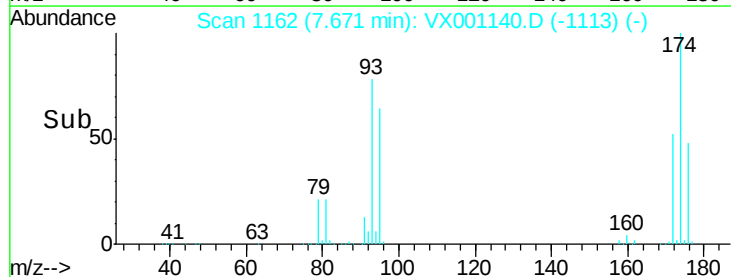
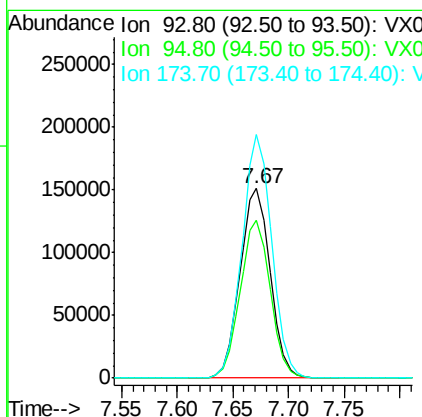
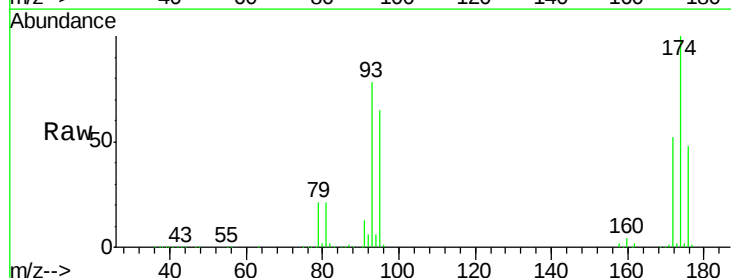
Manual Integrations
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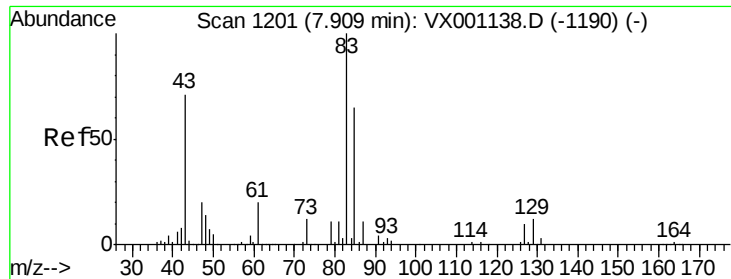
MMDadoda
 4/30/2018 6:03:27 PM



#46
 Dibromomethane
 Concen: 158.20 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Tgt Ion: 93 Resp: 285369
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.4 99.6
 174 126.6 99.6 149.4





#47

Bromodichloromethane

Concen: 168.59 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

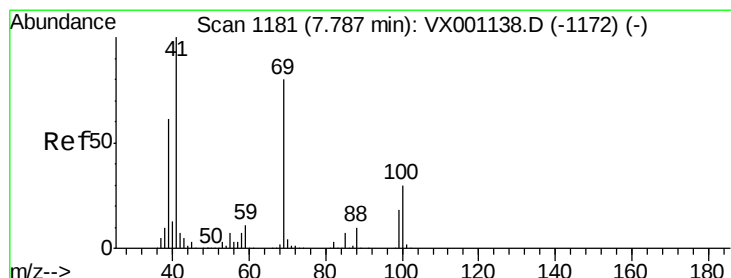
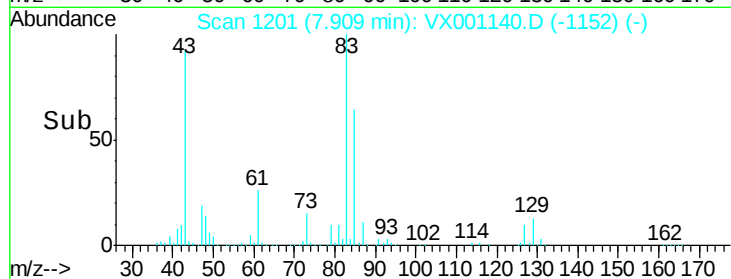
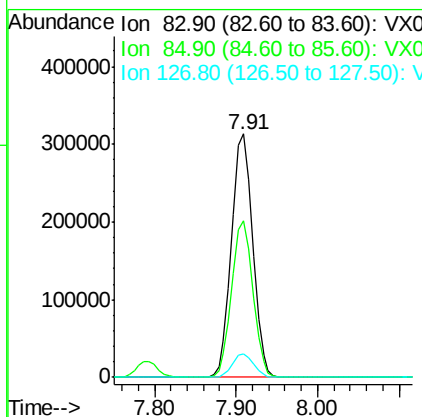
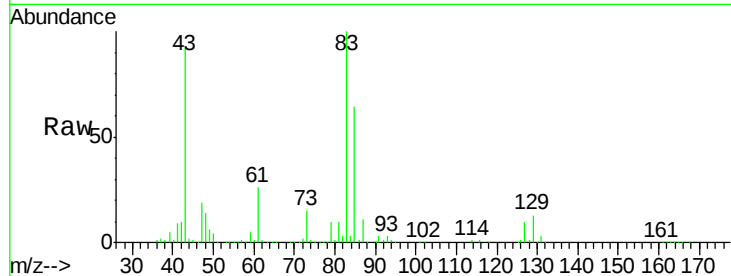
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	559963
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.9	77.9
127	9.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 176.68 ug/l

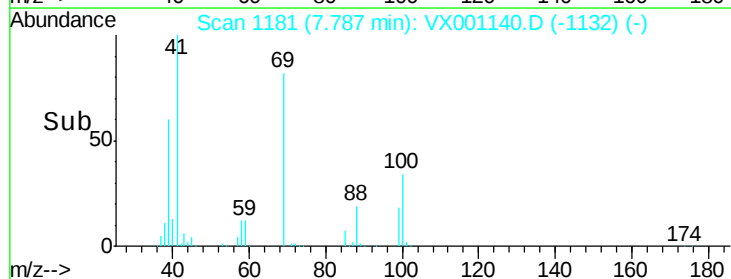
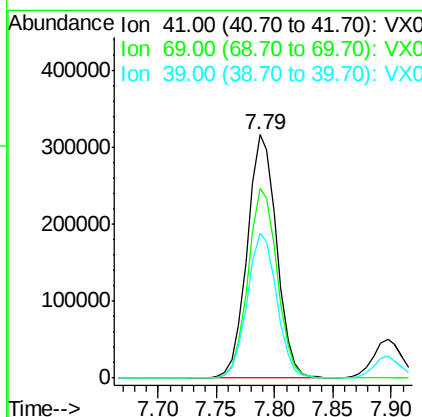
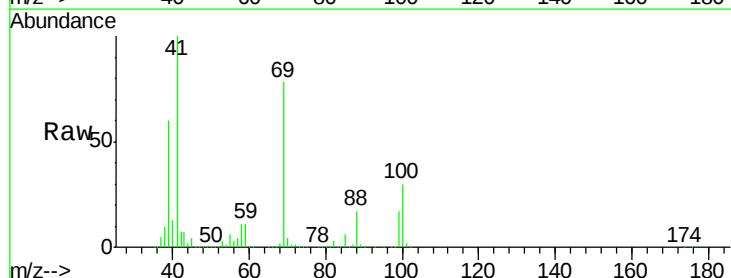
RT: 7.79 min Scan# 1181

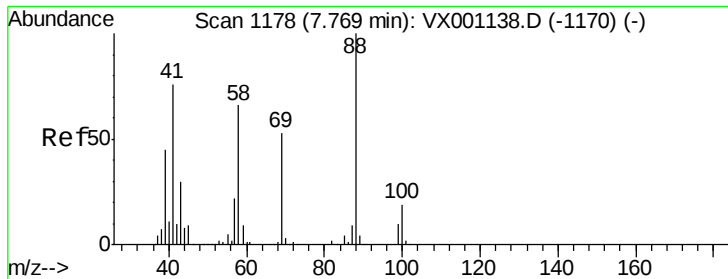
Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Tgt Ion:	41	Resp:	560320
Ion Ratio	Lower	Upper	
41	100		
69	77.7	62.4	93.6
39	59.9	48.7	73.1





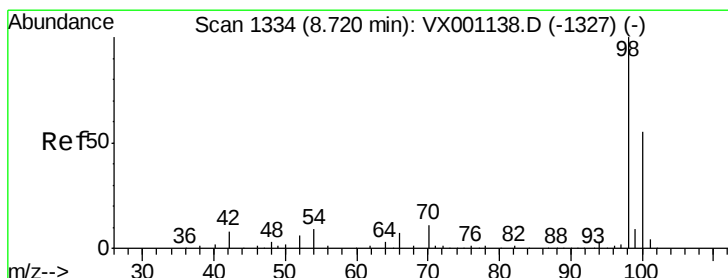
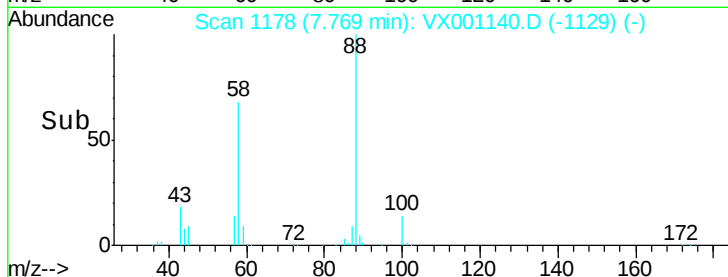
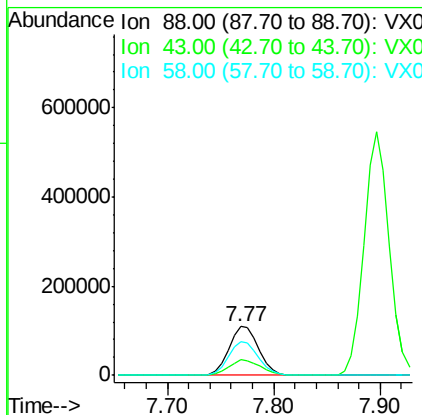
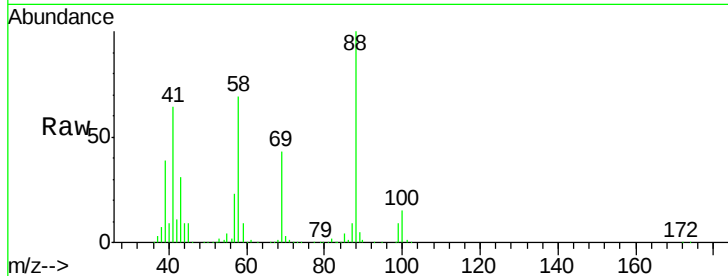
#49
1,4-Dioxane
Concen: 4233.60 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	27.3	40.9
58	69.5	54.2	81.4

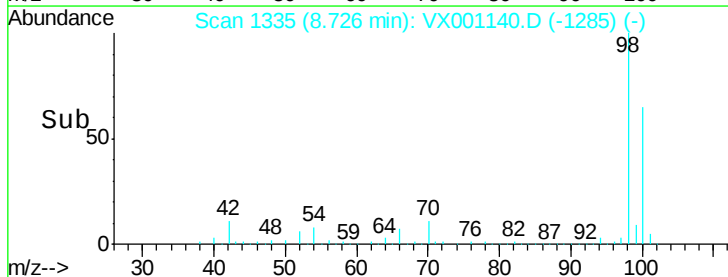
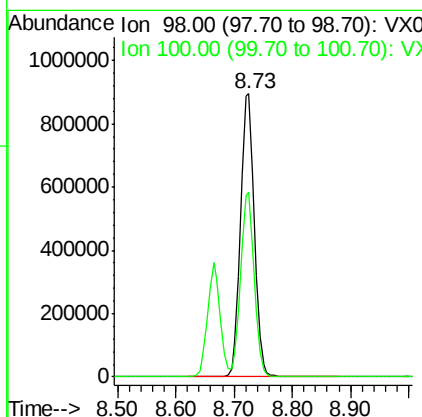
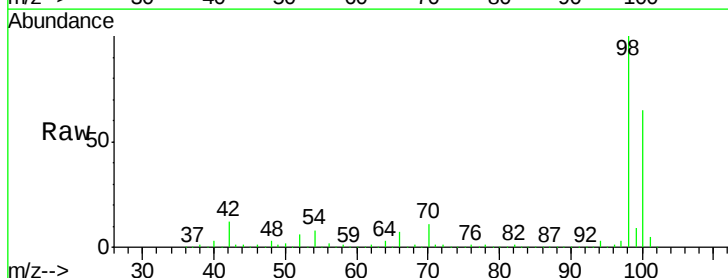
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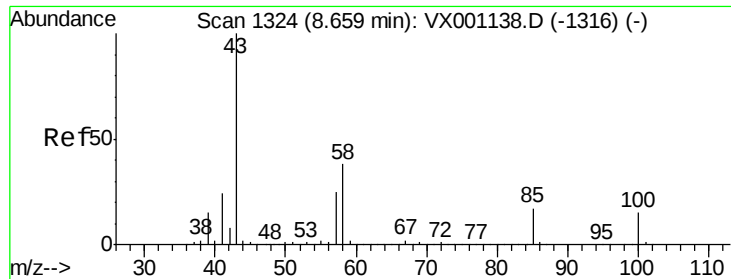
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#50
Toluene-d8
Concen: 165.92 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 965.57 ug/l

RT: 8.67 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3522403

Ion Ratio Lower Upper

43 100

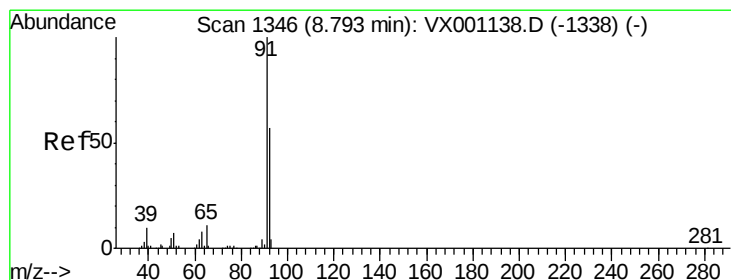
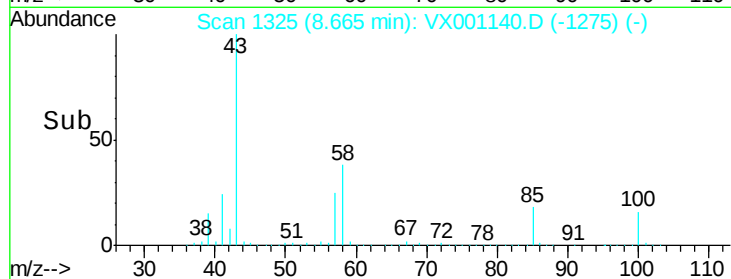
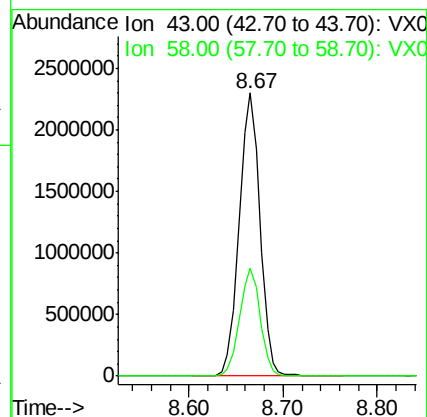
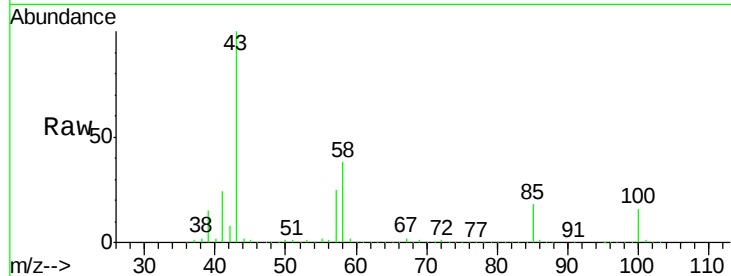
58 37.7 30.2 45.2

Manual Integrations

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#52

Toluene

Concen: 153.80 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001140.D

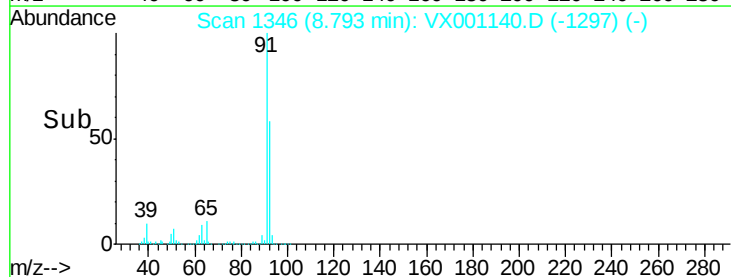
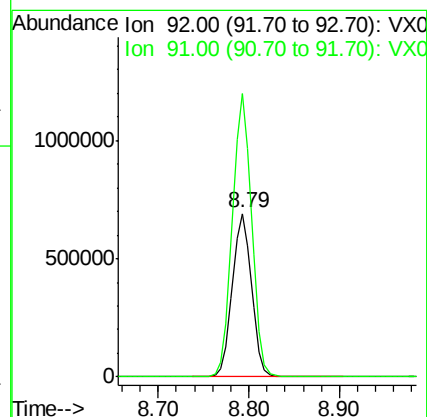
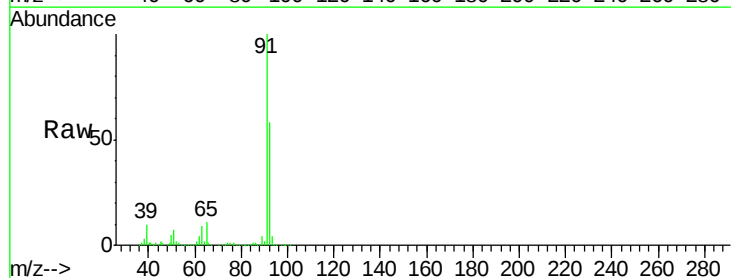
Acq: 26 Apr 2018 19:11

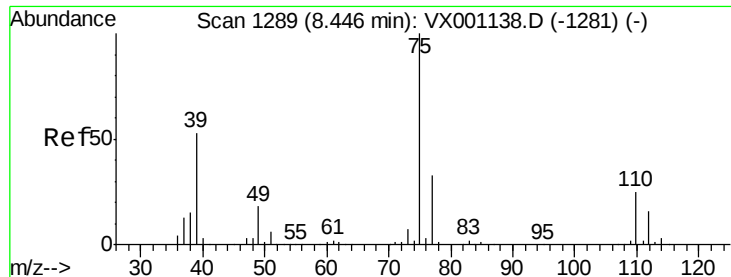
Tgt Ion: 92 Resp: 1020668

Ion Ratio Lower Upper

92 100

91 173.4 139.8 209.6





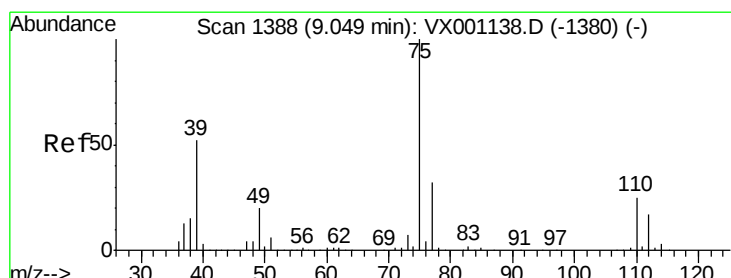
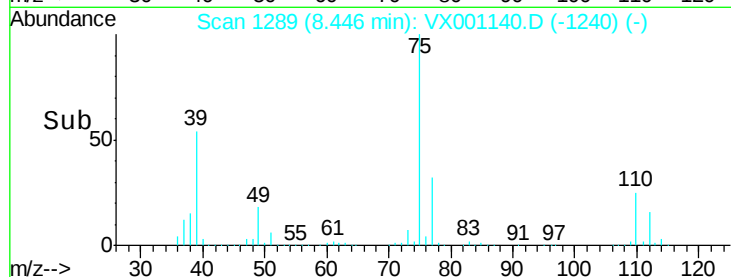
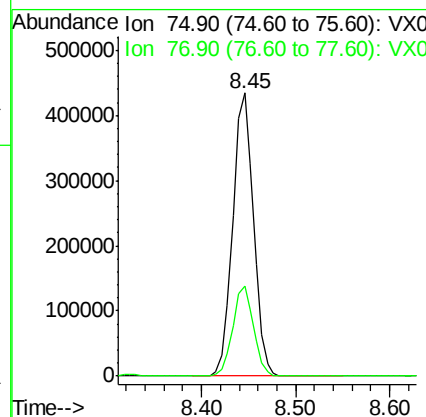
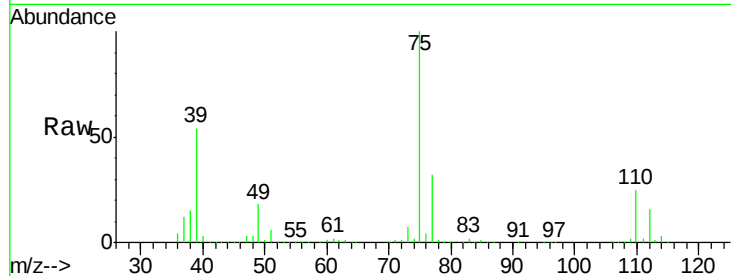
#53
t-1,3-Dichloropropene
Concen: 167.42 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 663262
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.4

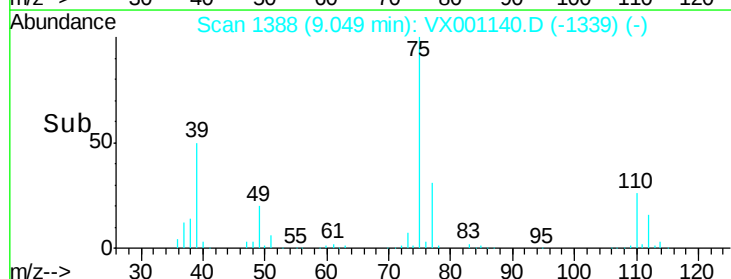
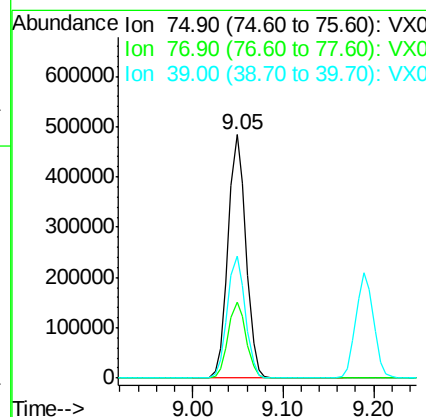
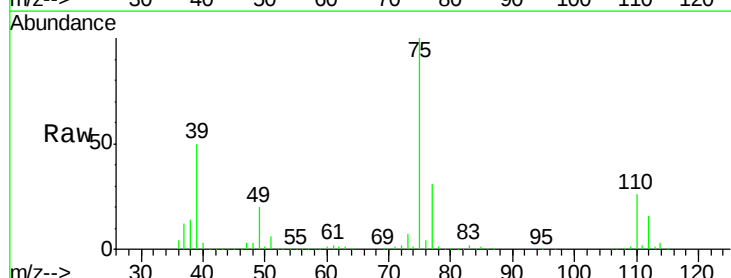
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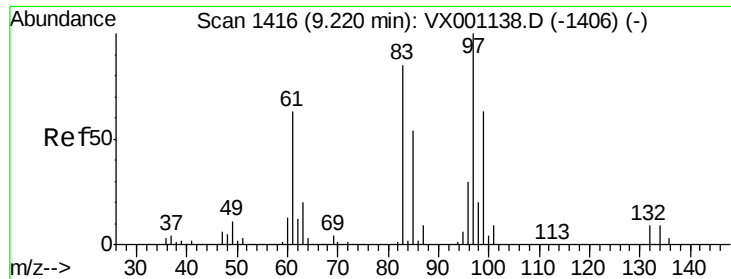
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#54
cis-1,3-Dichloropropene
Concen: 177.83 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion: 75 Resp: 663779
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2
39 50.0 42.0 63.0





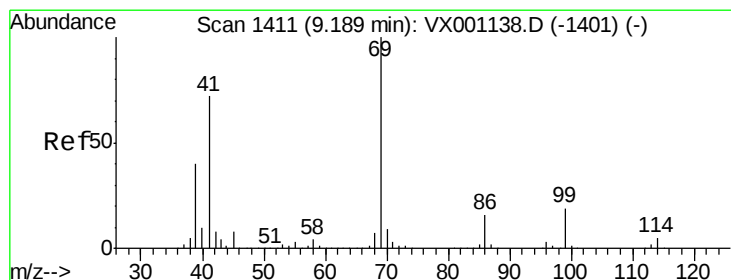
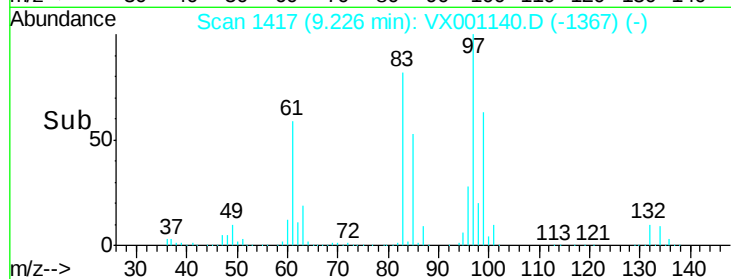
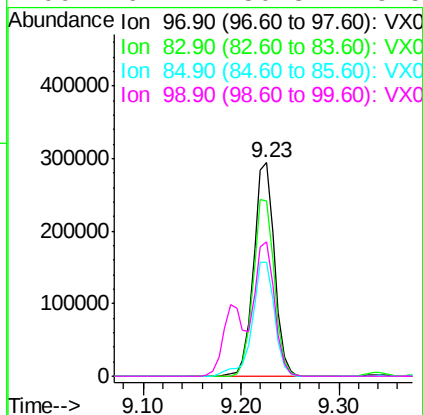
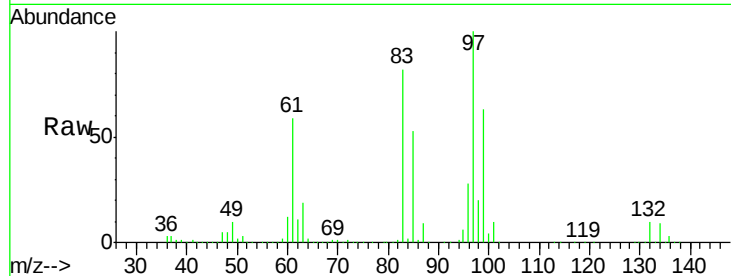
#55
 1,1,2-Trichloroethane
 Concen: 162.60 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	433359
Ion	Ratio	Lower	Upper
97	100		
83	81.9	68.0	102.0
85	53.3	42.9	64.3
99	62.7	50.3	75.5

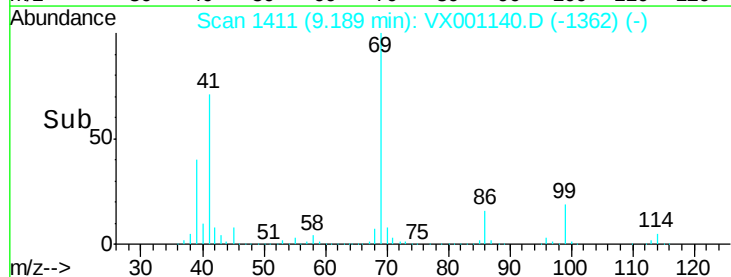
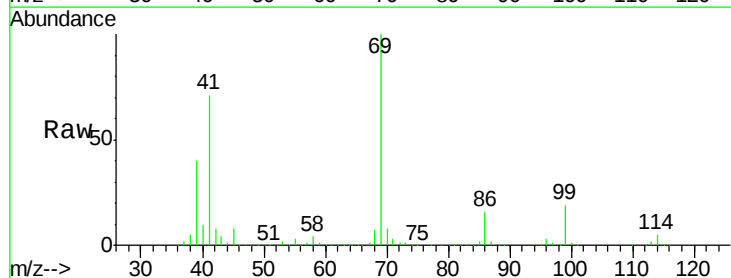
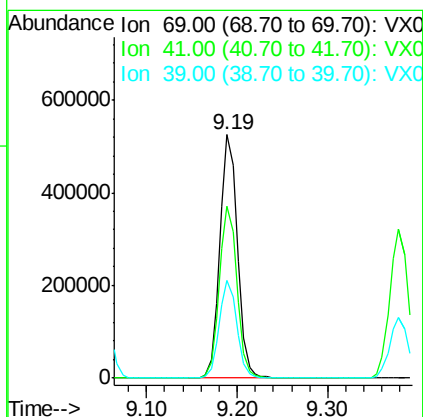
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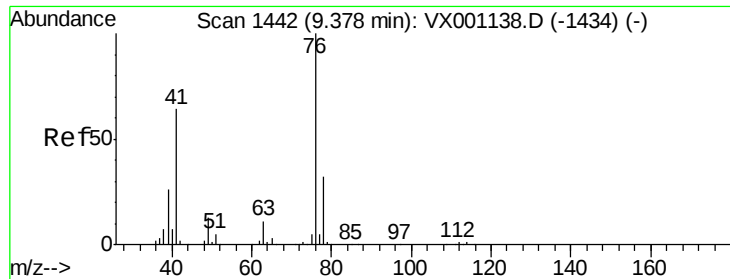
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#56
 Ethyl methacrylate
 Concen: 181.66 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Tgt Ion:	69	Resp:	714790
Ion	Ratio	Lower	Upper
69	100		
41	70.6	57.7	86.5
39	40.0	33.3	49.9





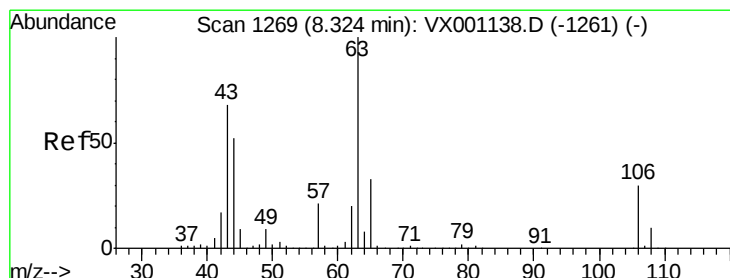
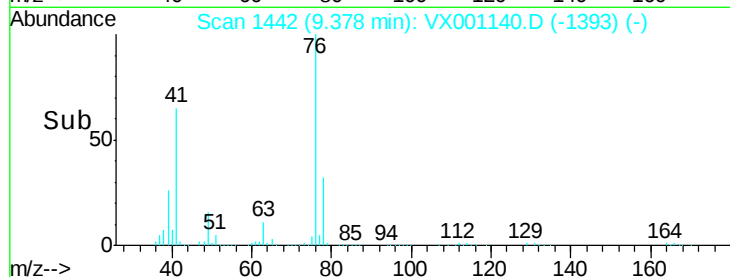
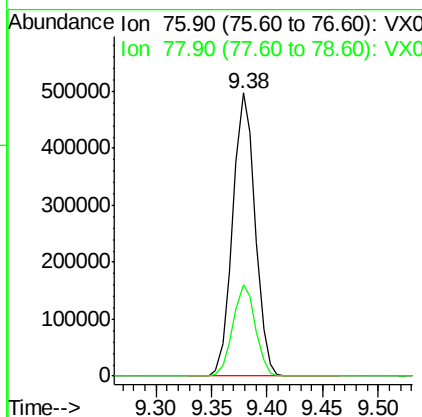
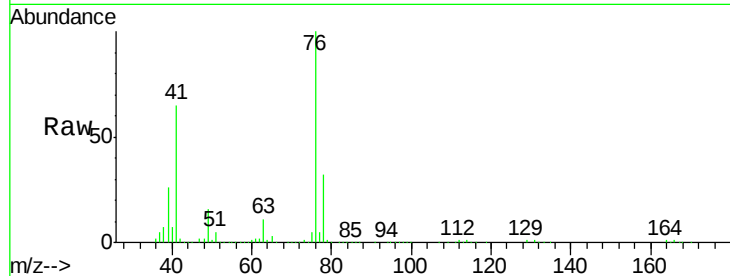
#57
 1,3-Dichloropropane
 Concen: 157.64 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 695095
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

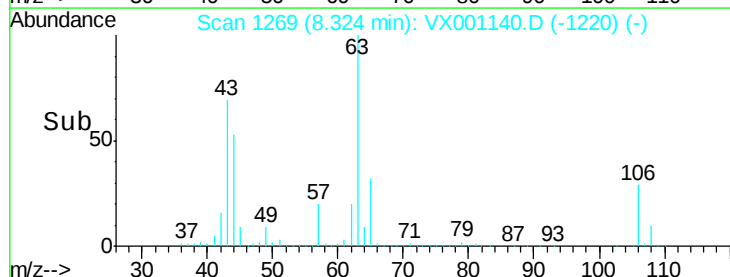
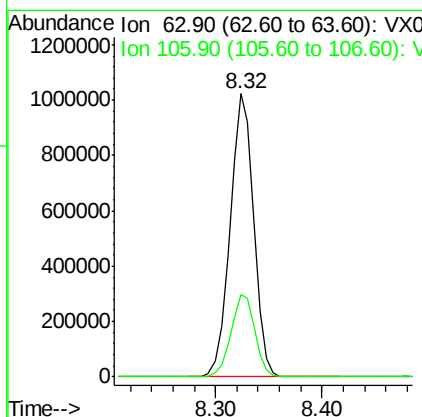
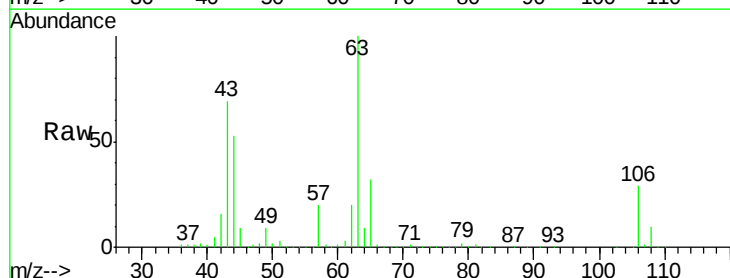
Manual Integrations
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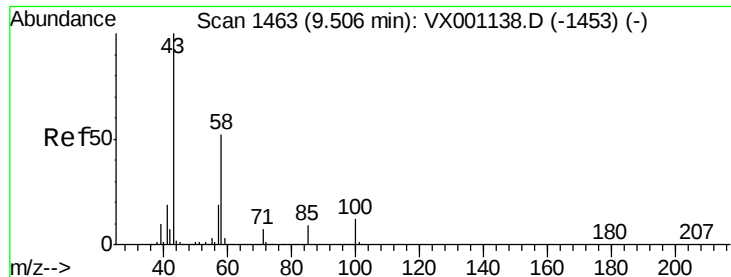
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#58
 2-Chloroethyl Vinyl ether
 Concen: 828.52 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Tgt Ion: 63 Resp: 1576251
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.7 35.5





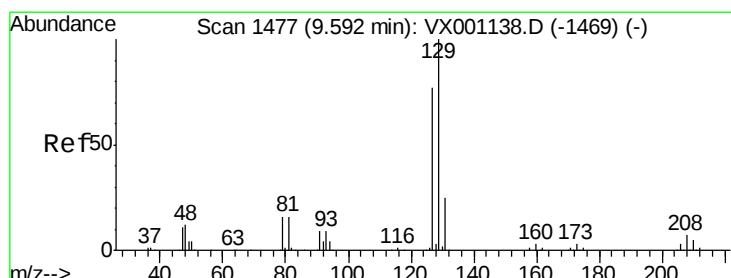
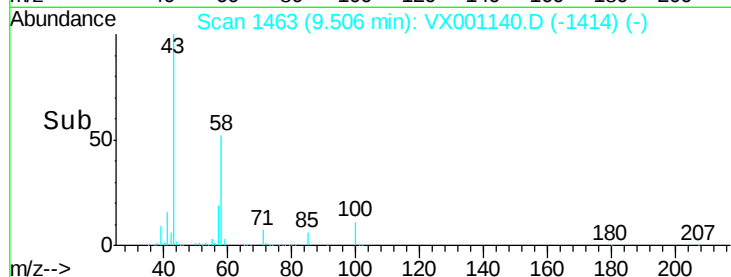
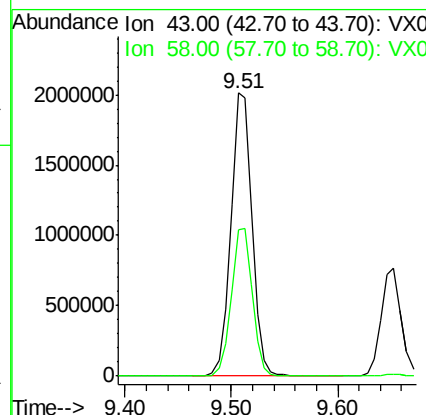
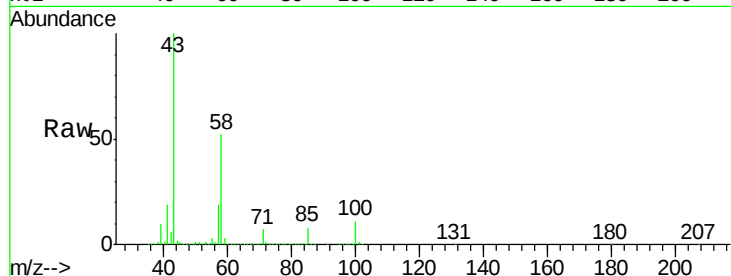
#59
2-Hexanone
Concen: 996.51 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2795235
Ion Ratio Lower Upper
43 100
58 52.3 25.8 77.4

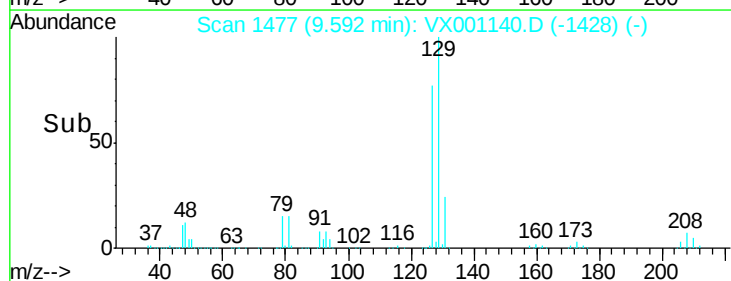
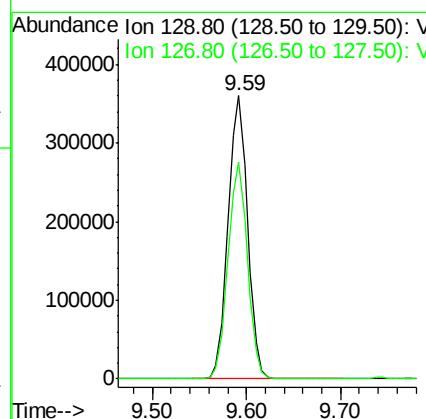
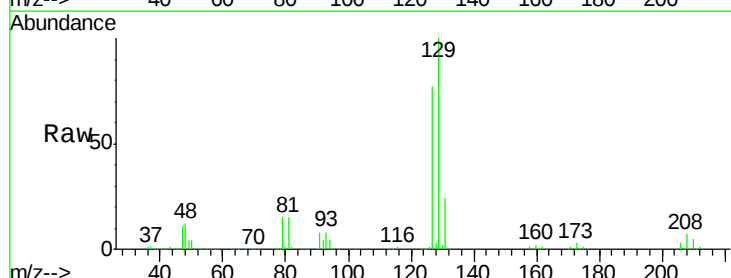
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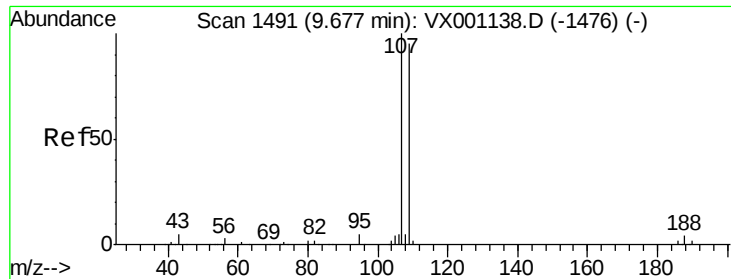
MMDadoda
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#60
Dibromochloromethane
Concen: 185.25 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion: 129 Resp: 516631
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 168.78 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 476110

Ion Ratio Lower Upper

107 100

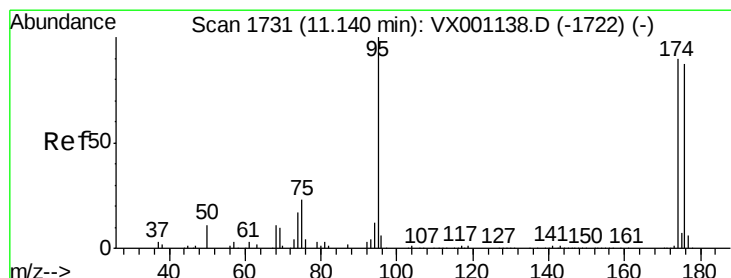
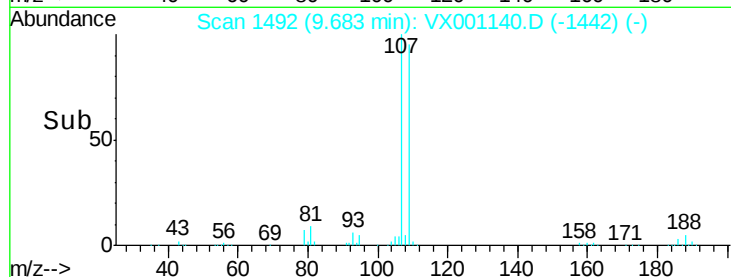
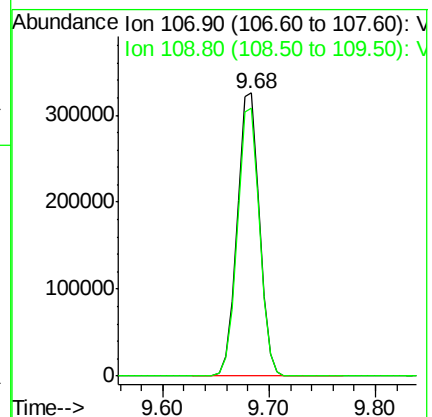
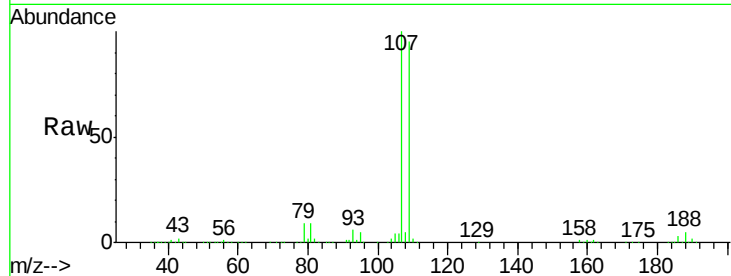
109 94.9 75.2 112.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 165.89 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

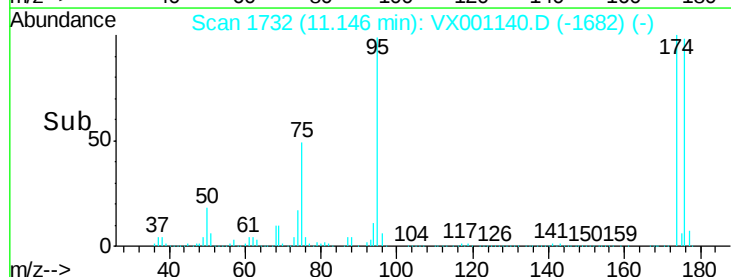
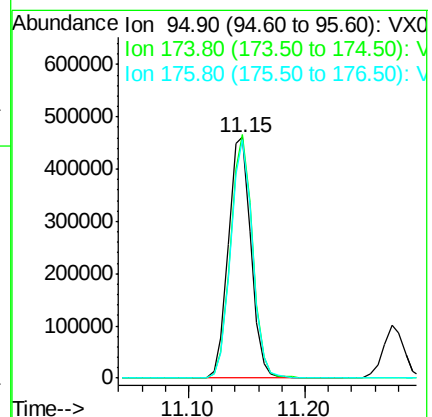
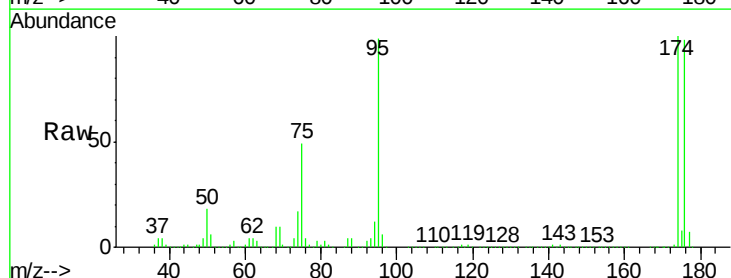
Tgt Ion: 95 Resp: 618856

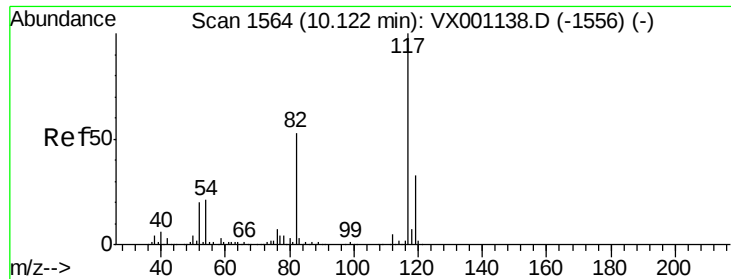
Ion Ratio Lower Upper

95 100

174 98.0 0.0 194.4

176 95.8 0.0 190.2





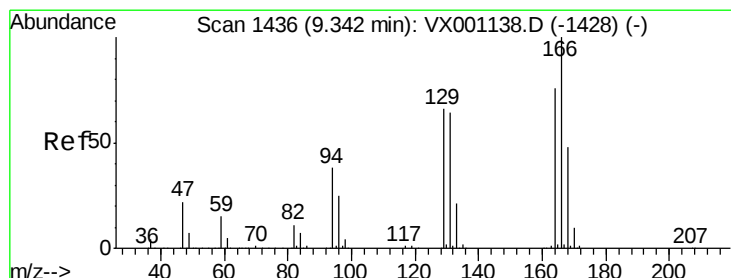
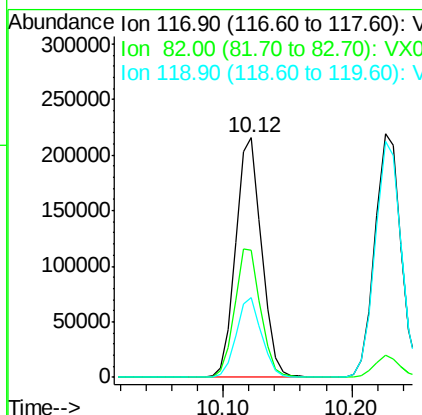
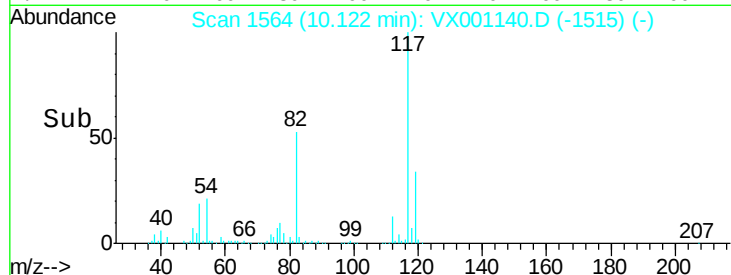
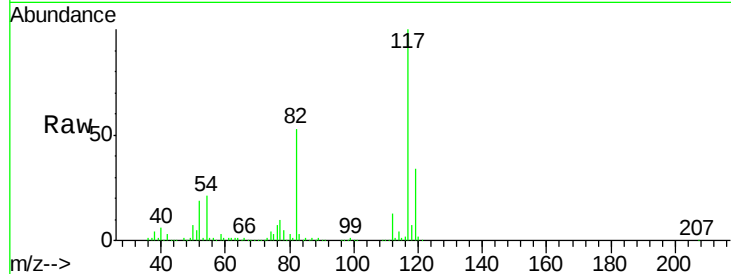
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	301547		
82	52.8		42.1	63.1
119	33.5		26.1	39.1

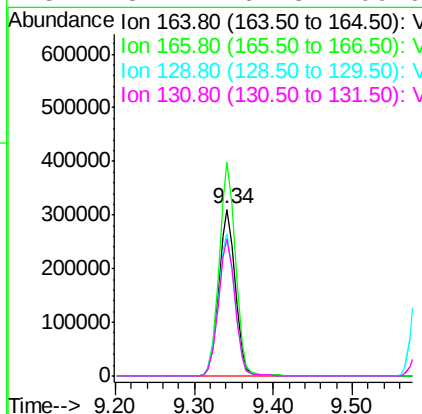
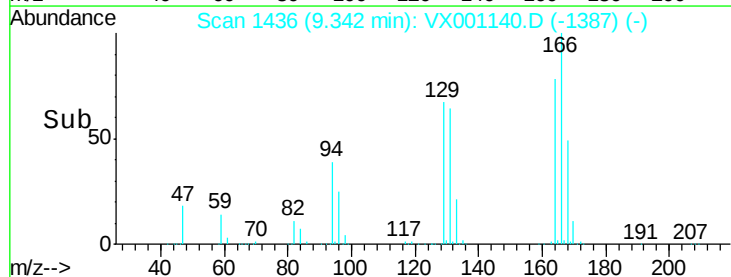
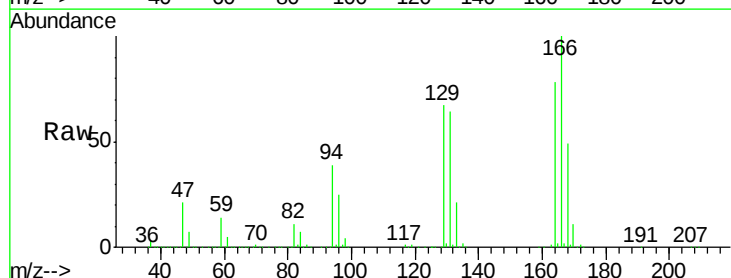
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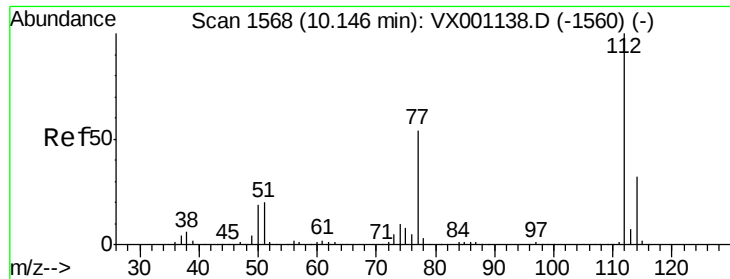
MMDadoda
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#64
Tetrachloroethene
Concen: 141.67 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	452097		
166	128.2		105.0	157.6
129	85.6		69.4	104.2
131	82.2		67.3	100.9





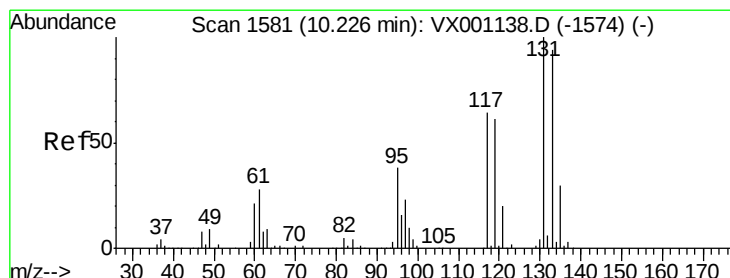
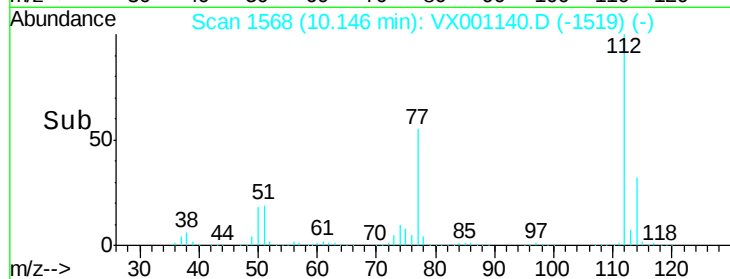
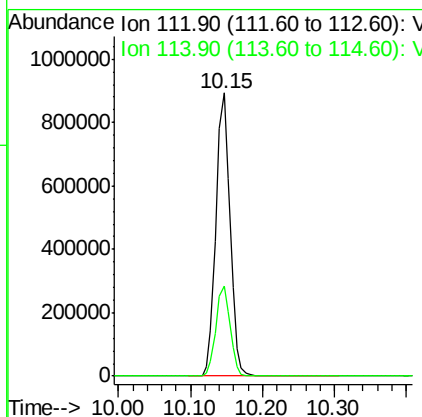
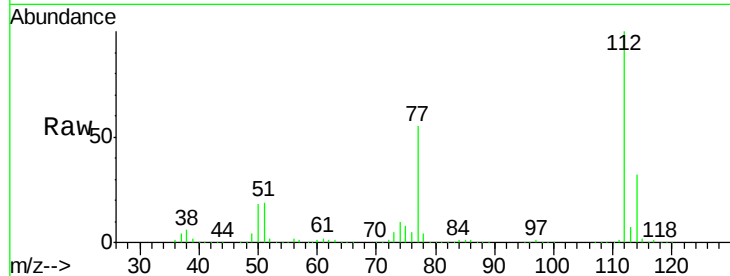
#65
Chlorobenzene
Concen: 151.06 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1209745
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

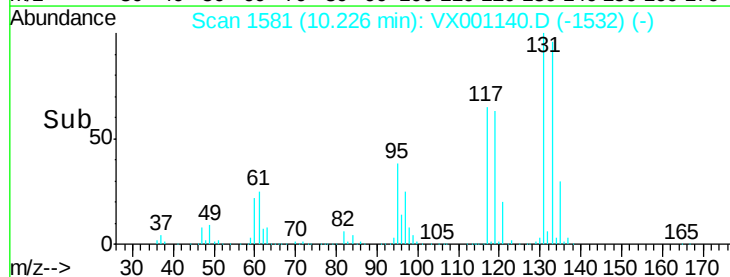
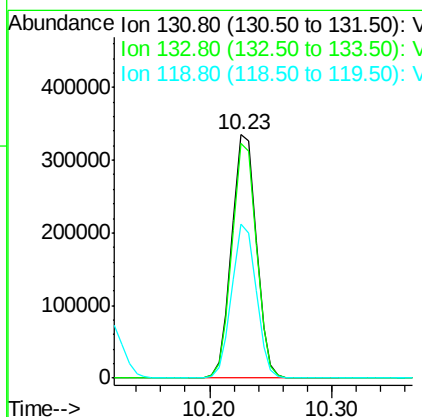
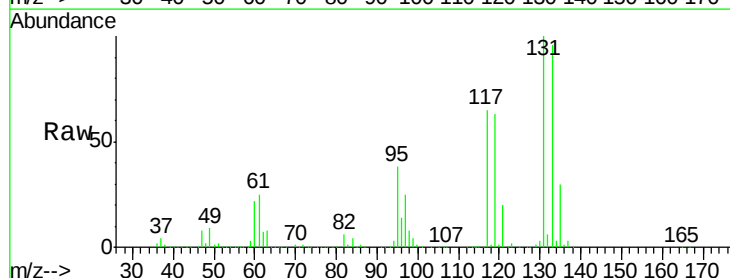
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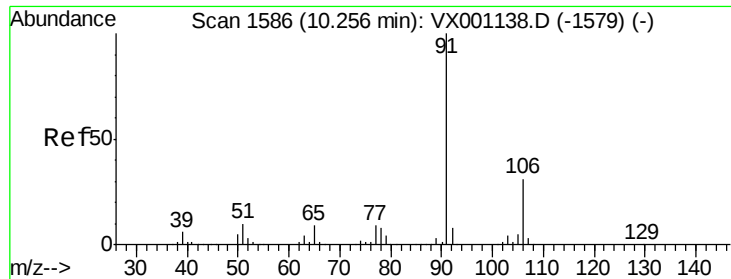
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 169.20 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion:131 Resp: 466181
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.4
119 62.6 31.3 93.8





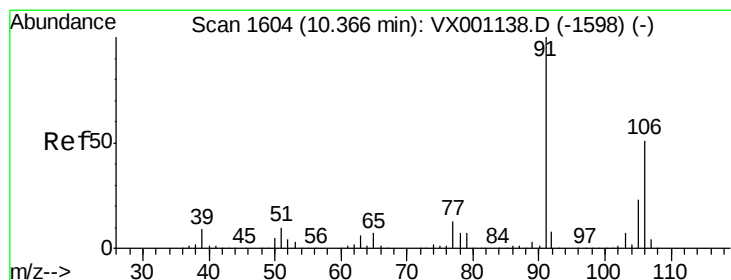
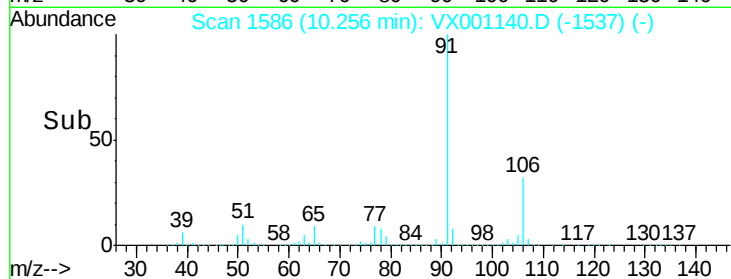
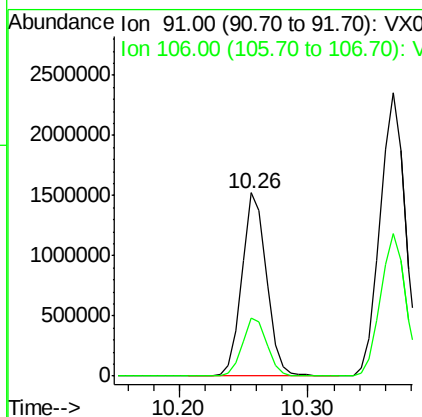
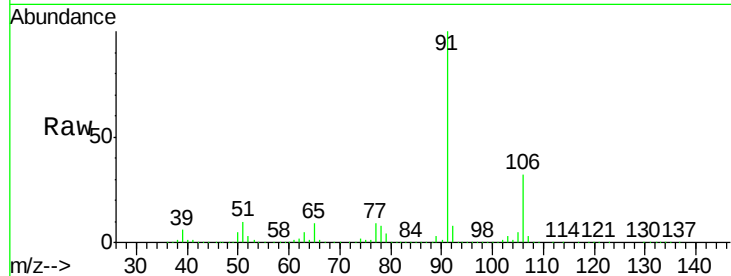
#67
Ethyl Benzene
Concen: 151.45 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 2006467
Ion Ratio Lower Upper
91 100
106 31.7 24.8 37.2

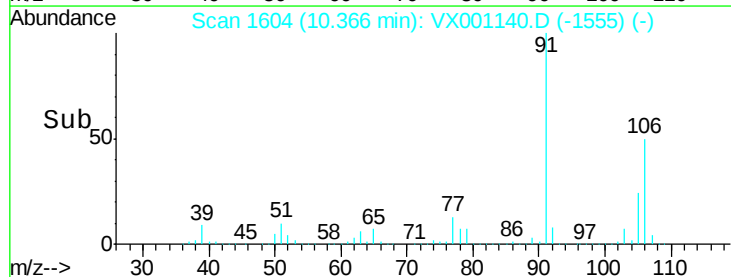
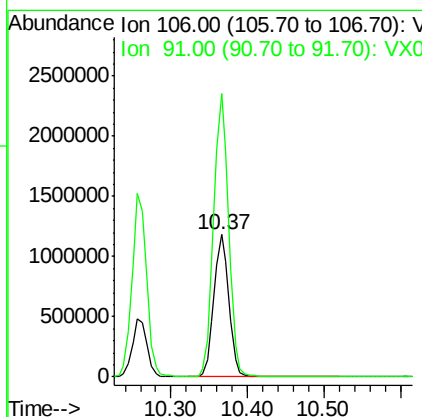
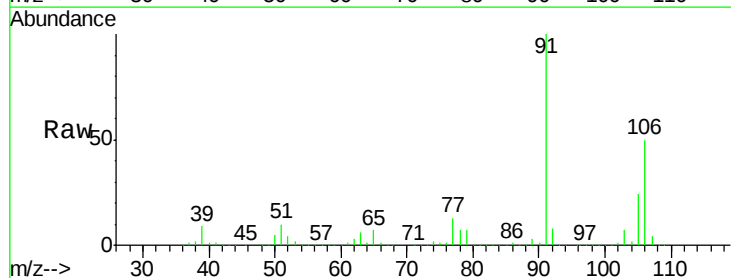
Manual Integrations
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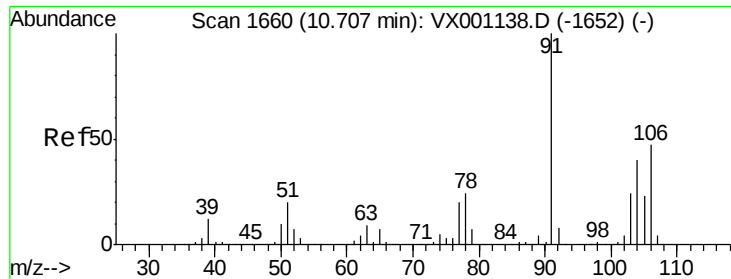
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#68
m/p-Xylenes
Concen: 308.71 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion: 106 Resp: 1612030
Ion Ratio Lower Upper
106 100
91 198.9 160.9 241.3





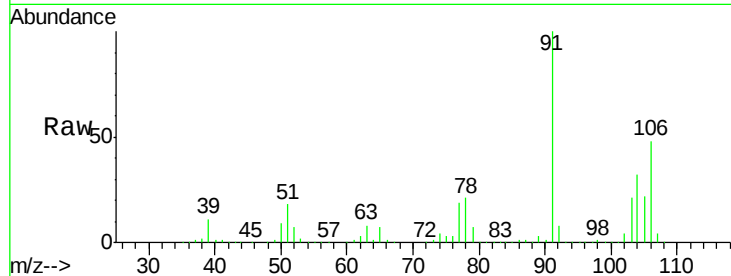
#69
o-Xylene
Concen: 158.18 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

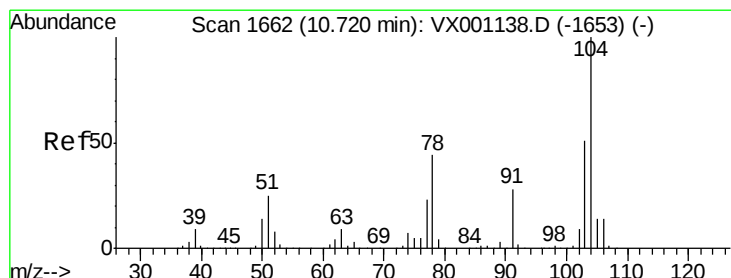
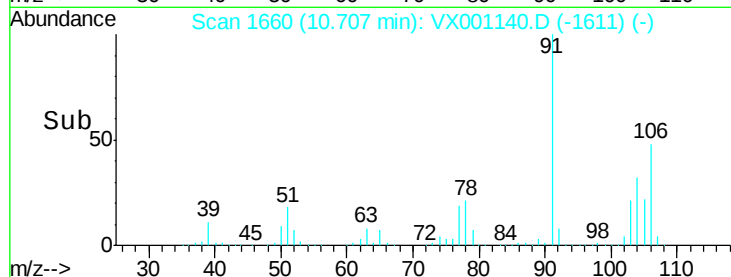
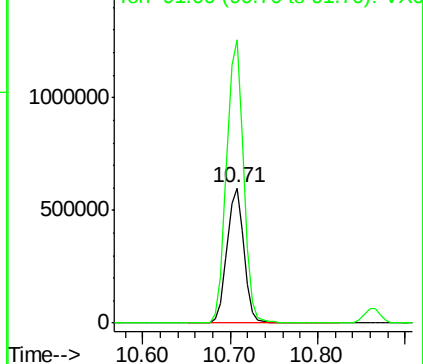
Tot Ion:106 Resp: 798739
Ion Ratio Lower Upper
106 100
91 211.5 106.2 318.5

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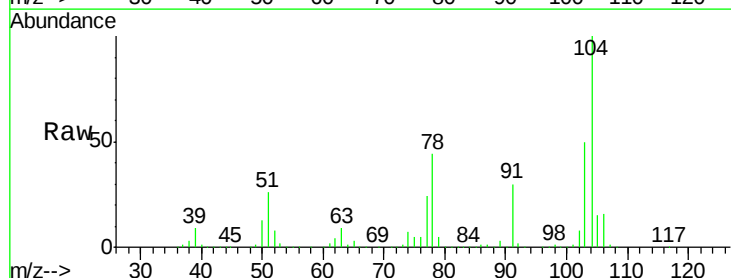


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

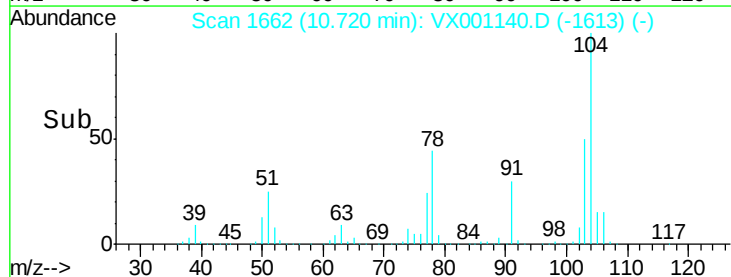
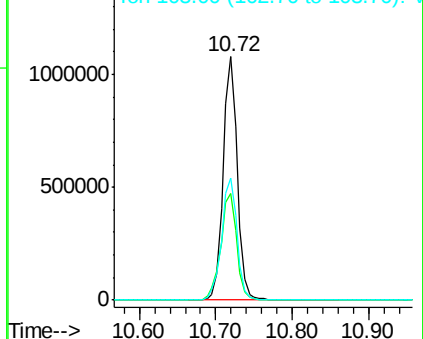


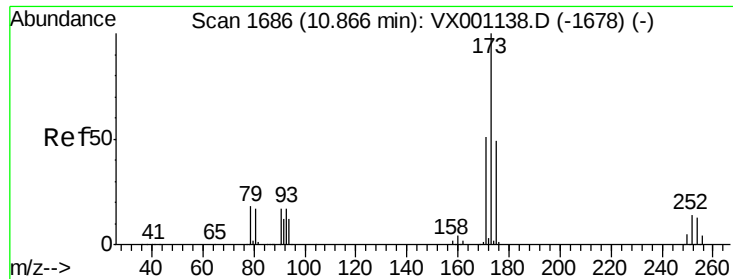
#70
Styrene
Concen: 164.89 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion:104 Resp: 1370622
Ion Ratio Lower Upper
104 100
78 49.4 40.3 60.5
103 55.1 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 211.30 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

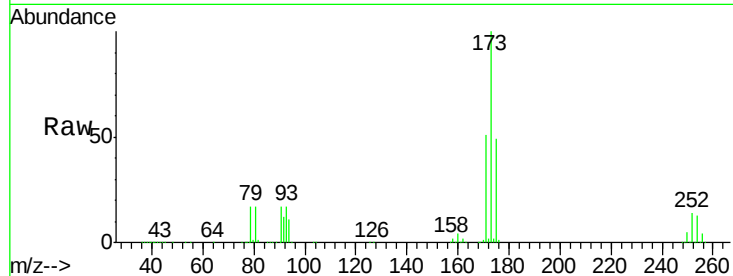
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.8
254	0.2	0.2	0.2

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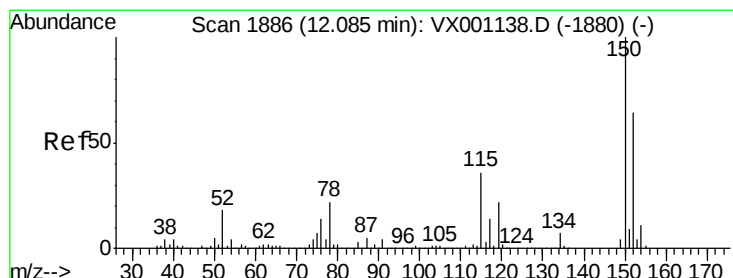
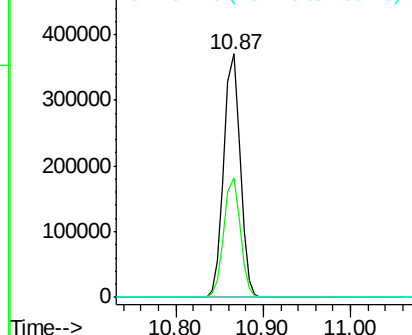
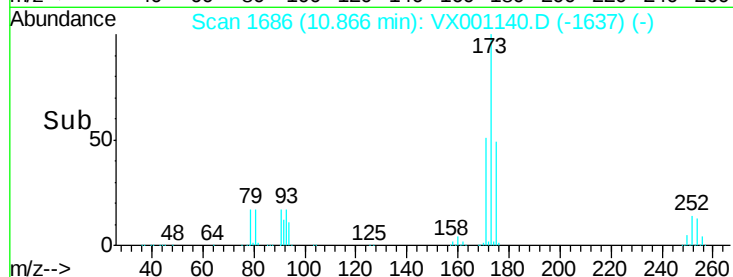


Abundance

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

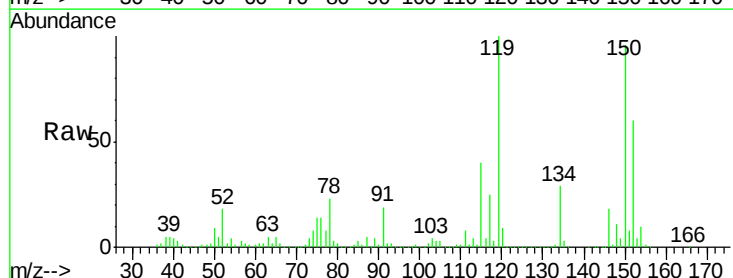
RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	124.7	38.0	114.0#
150	212.0	0.0	349.6

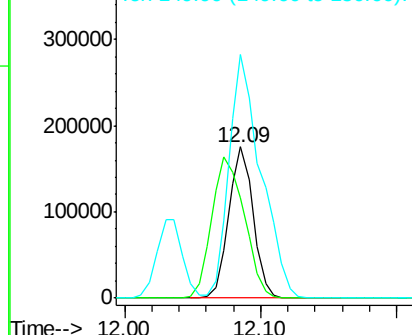
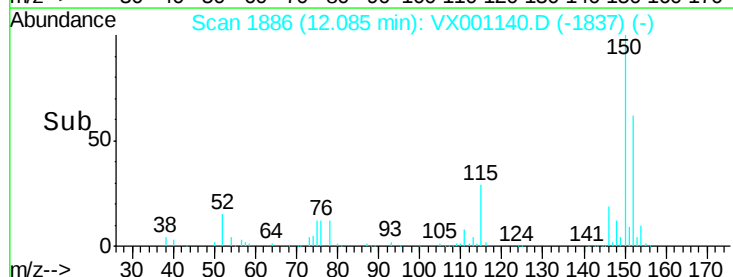


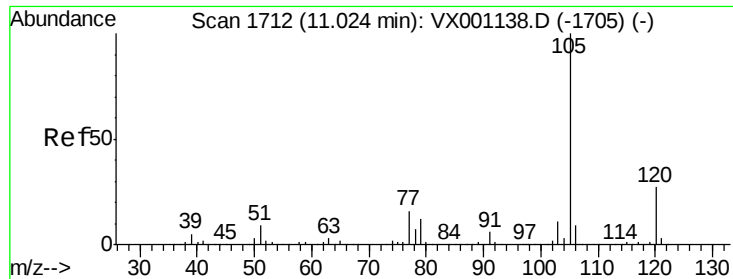
Abundance

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: 148.98 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2109055

Ion Ratio Lower Upper

105 100

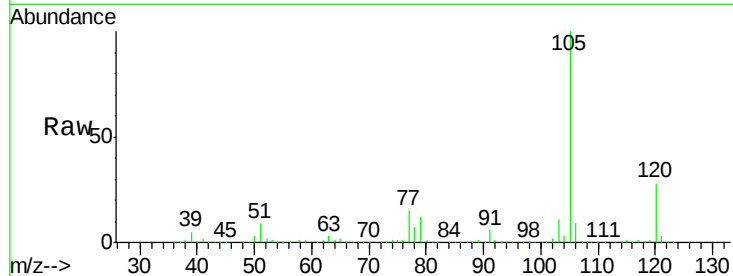
120 27.5 13.6 40.8

Manual Integrations

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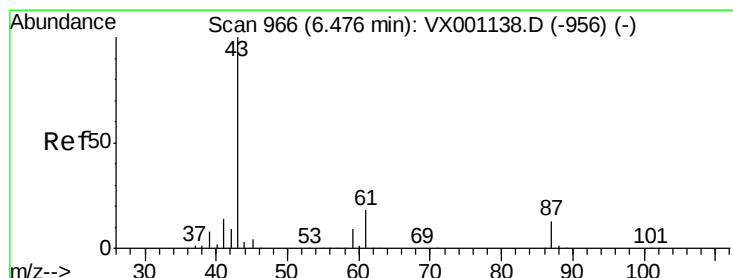
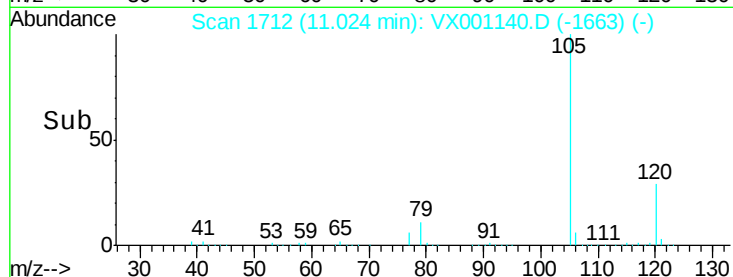
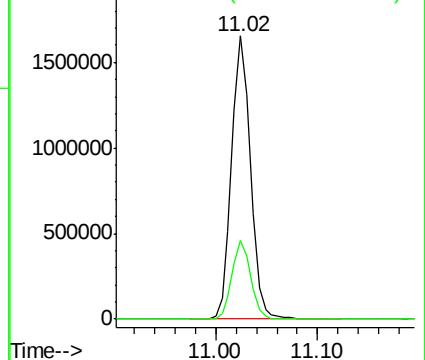
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 168.32 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Tgt Ion: 43 Resp: 1051918

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0#

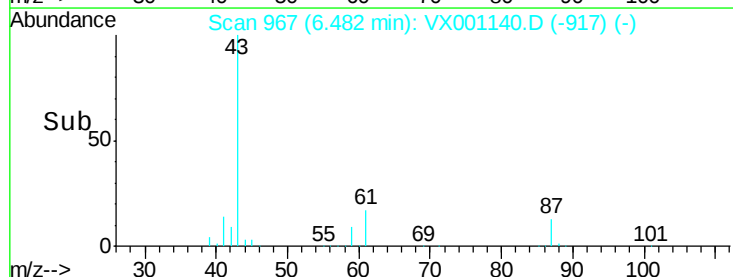
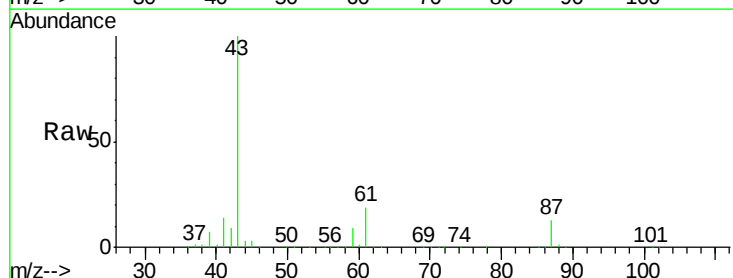
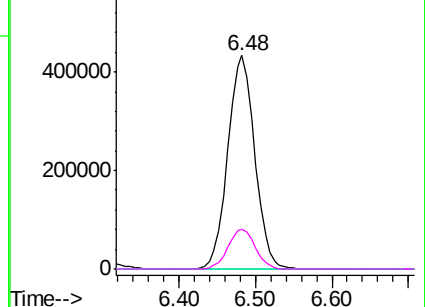
61 18.9 15.0 22.6

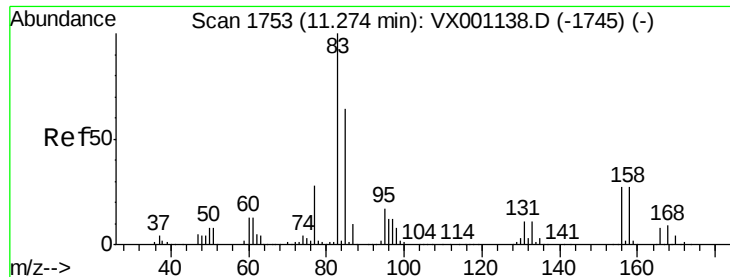
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 182.23 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

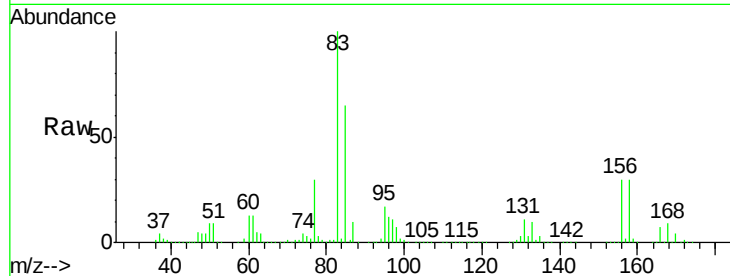
ClientSampleId :

VSTDIC150

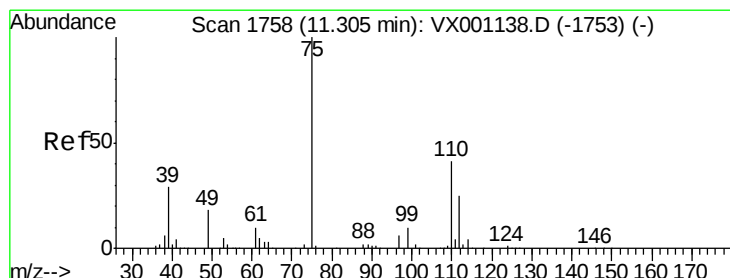
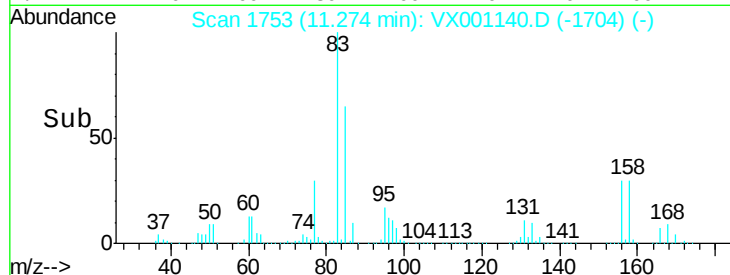
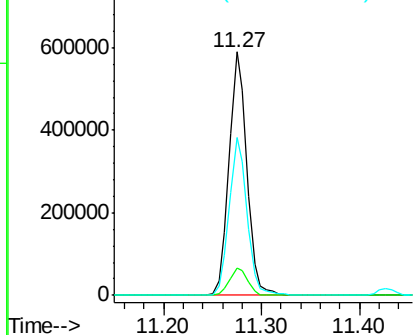
Tot Ion:	83	Resp:	749254
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	65.0	32.1	96.3

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: 175.83 ug/l m

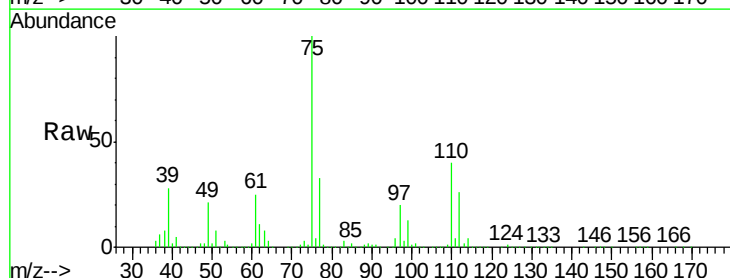
RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

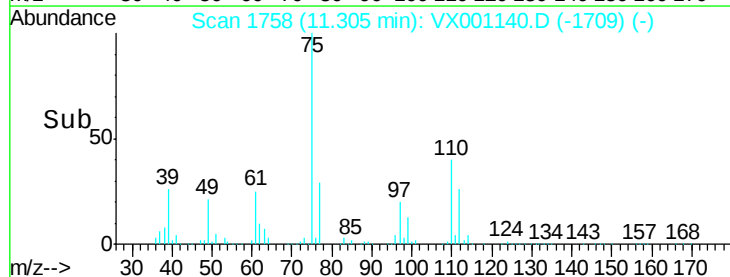
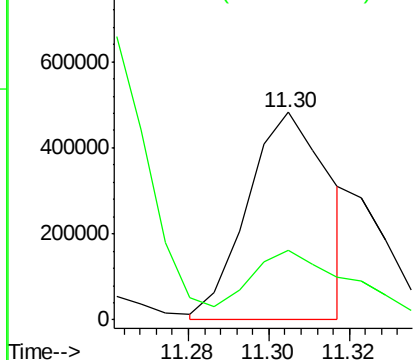
Lab File: VX001140.D

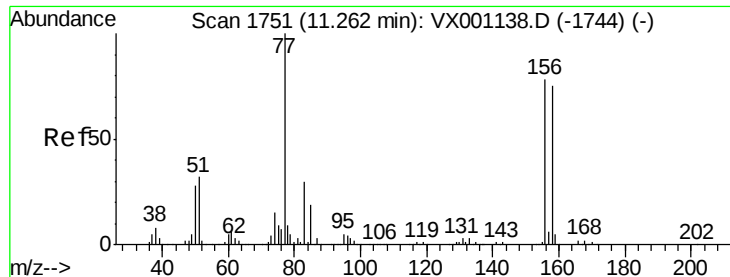
Acq: 26 Apr 2018 19:11

Tgt Ion:	75	Resp:	682739
Ion Ratio	Lower	Upper	
75	100		
77	41.2	18.9	56.9



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





#77

Bromobenzene

Concen: 154.15 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

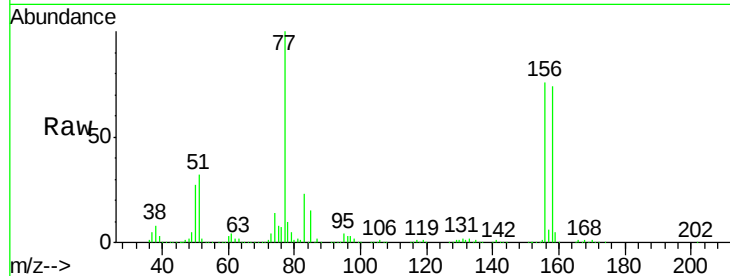
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.6	67.8	203.2
158	97.5	48.9	146.7

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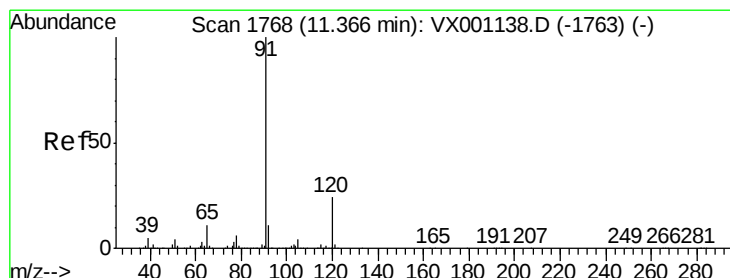
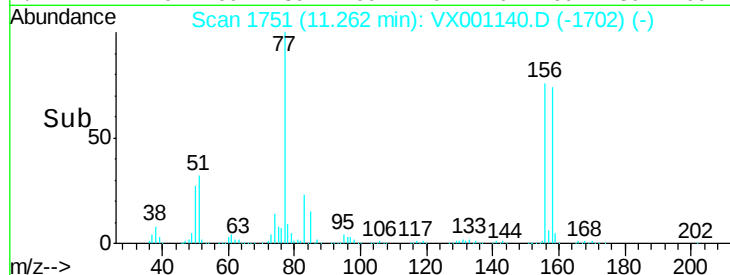
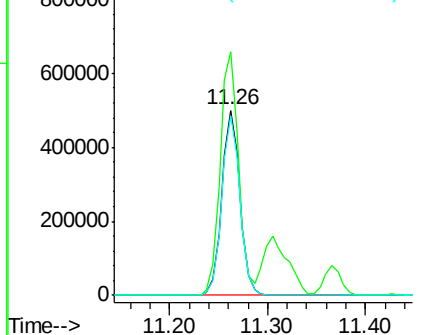
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 145.49 ug/l

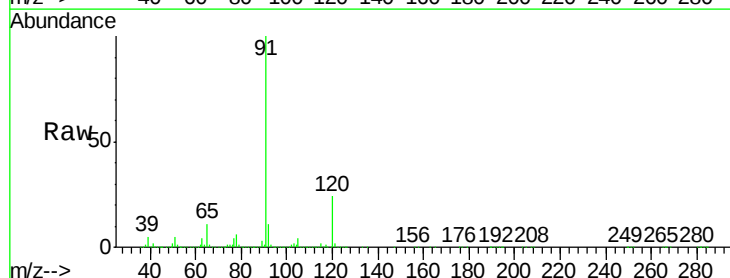
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001140.D

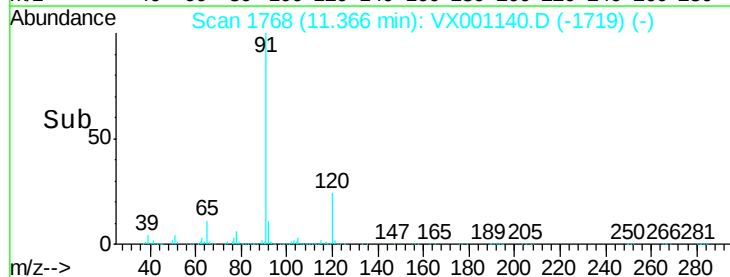
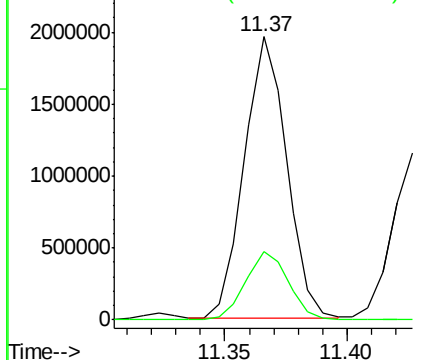
Acq: 26 Apr 2018 19:11

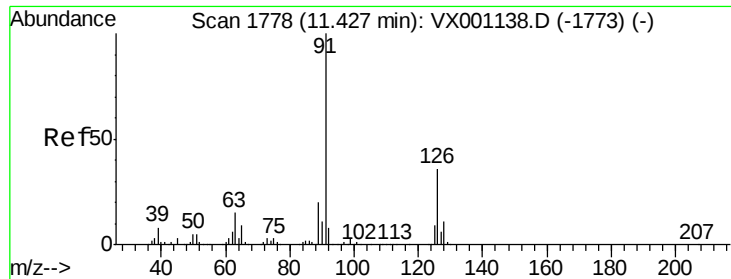
Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.2	36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





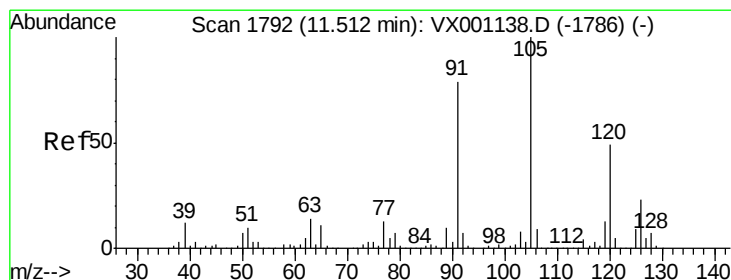
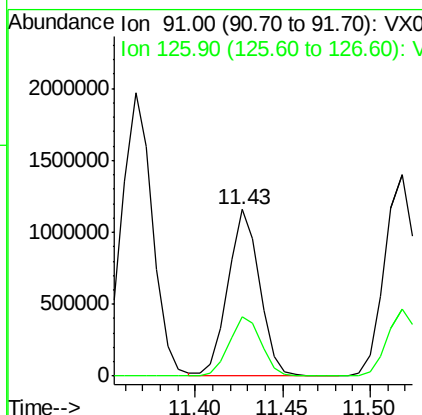
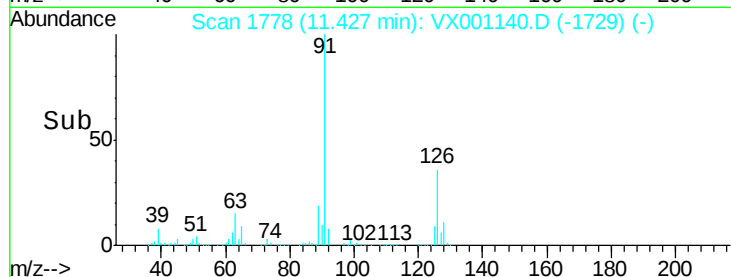
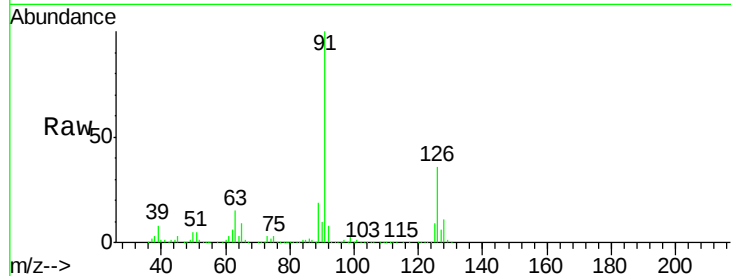
#79
 2-Chlorotoluene
 Concen: 150.41 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1449848
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.2 54.6

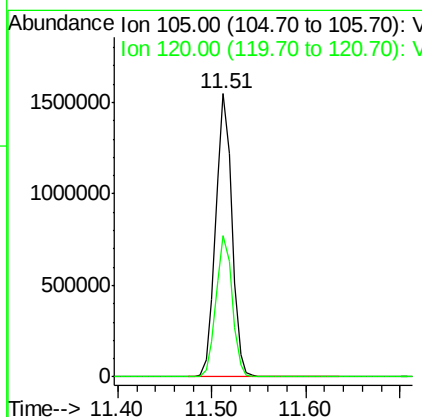
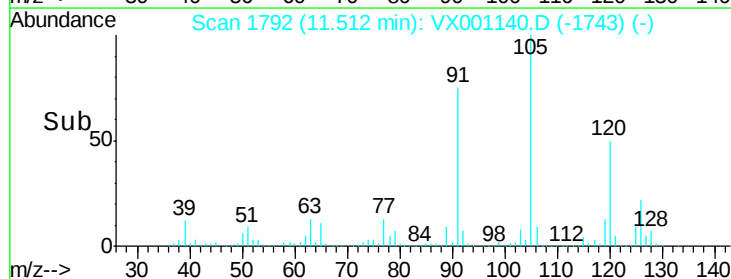
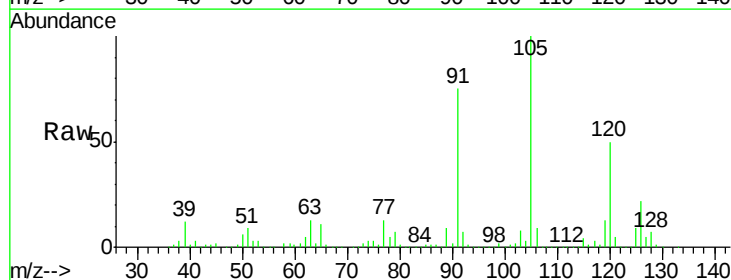
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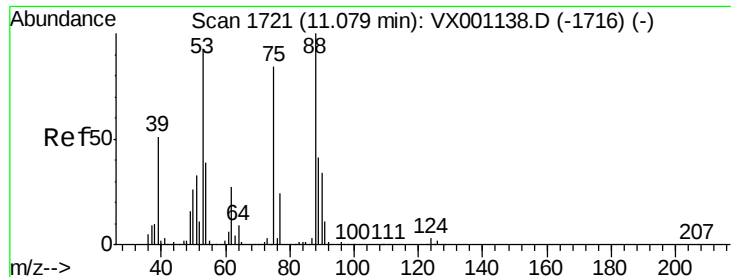
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#80
 1,3,5-Trimethylbenzene
 Concen: 153.53 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Tgt Ion: 105 Resp: 1846263
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.6 74.0





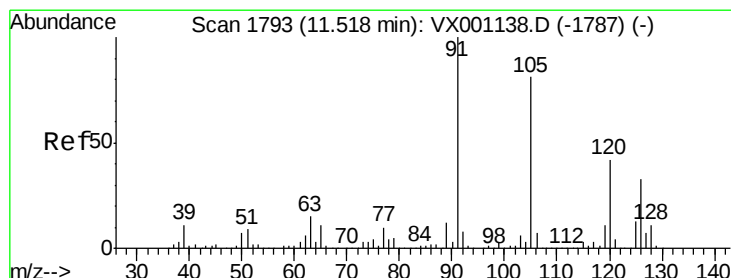
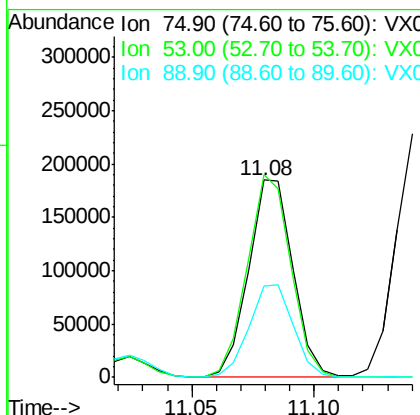
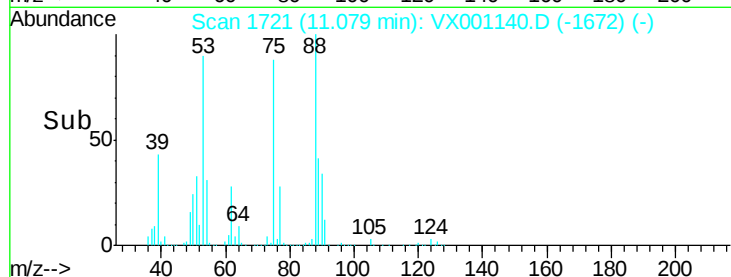
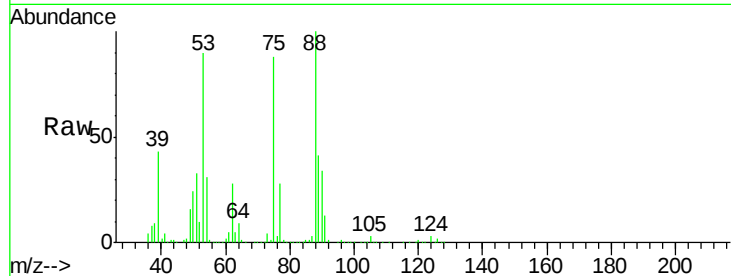
#81
trans-1,4-Dichloro-2-butene
Concen: 215.59 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	87.9	131.9
89	47.5	37.7	56.5

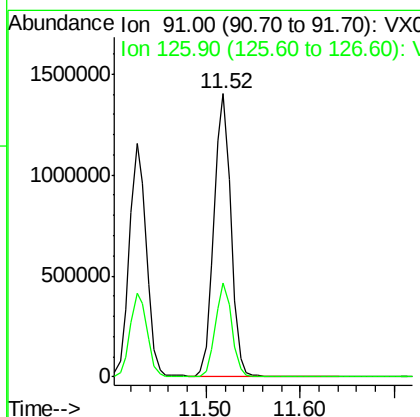
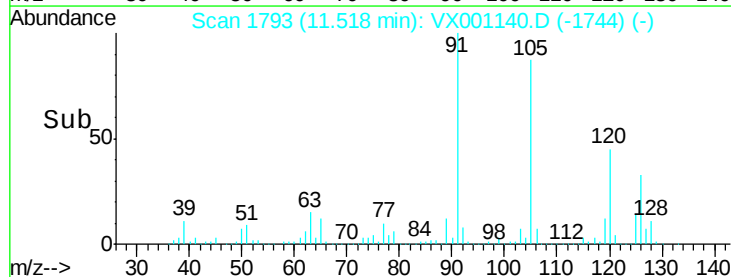
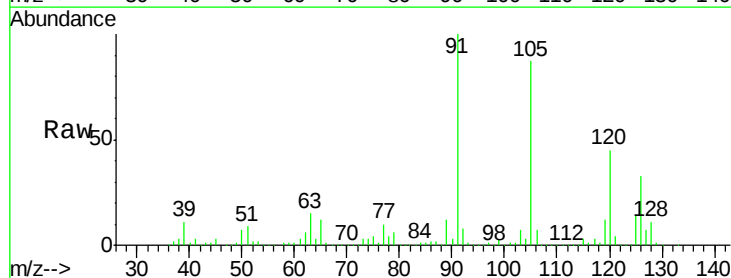
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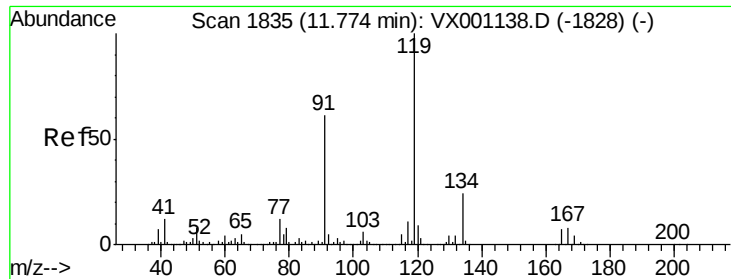
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#82
4-Chlorotoluene
Concen: 150.60 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.8	47.4





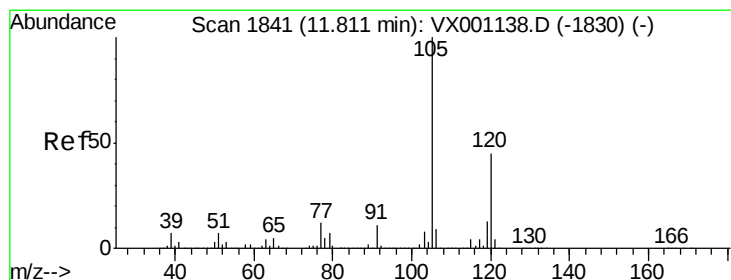
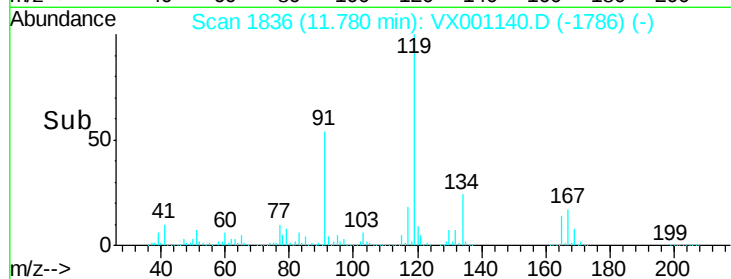
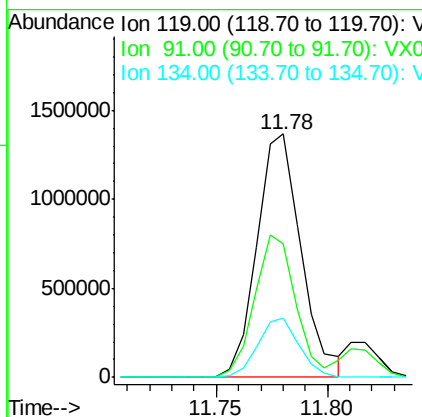
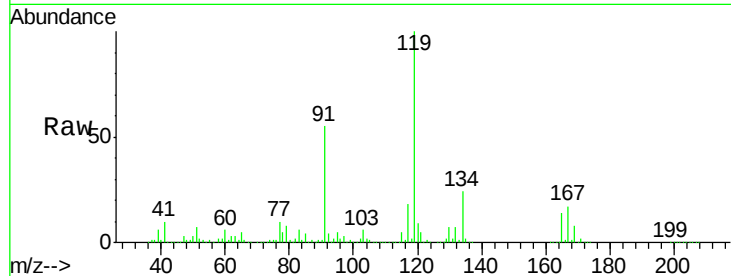
#83
 tert-Butylbenzene
 Concen: 156.16 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.01 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1890702
 Ion Ratio Lower Upper
 119 100
 91 54.5 27.6 82.8
 134 22.9 11.5 34.5

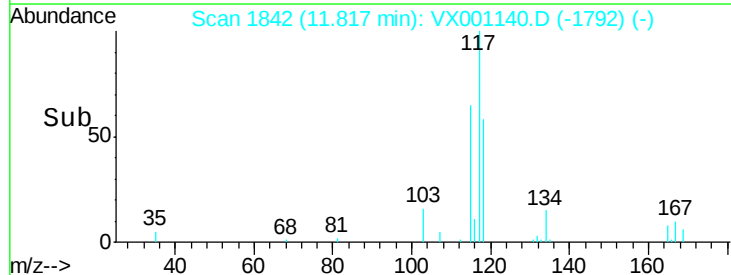
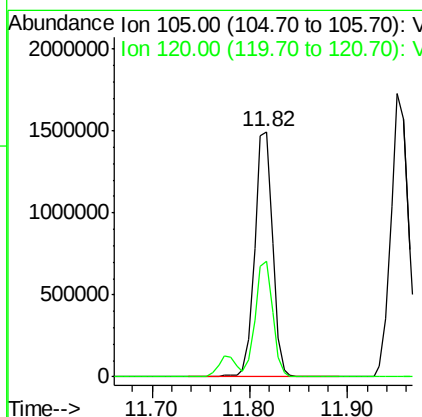
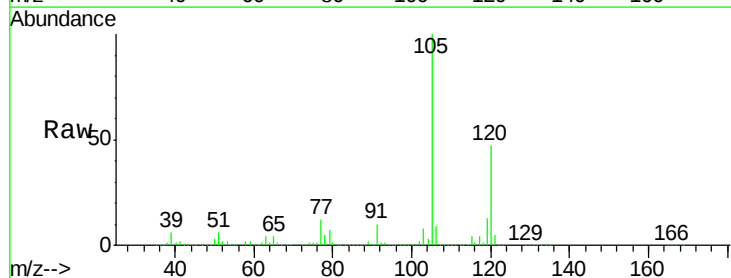
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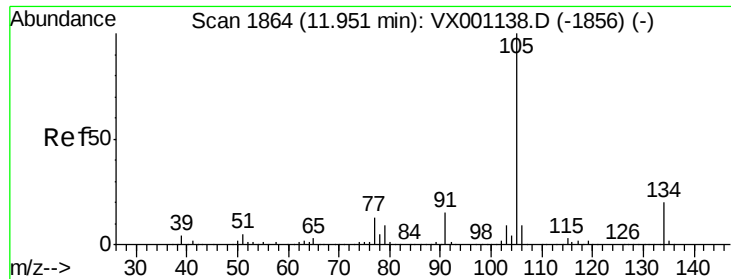
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#84
 1,2,4-Trimethylbenzene
 Concen: 152.57 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Tgt Ion:105 Resp: 1891468
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.4 67.3





#85

sec-Butylbenzene

Concen: 148.71 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2142179

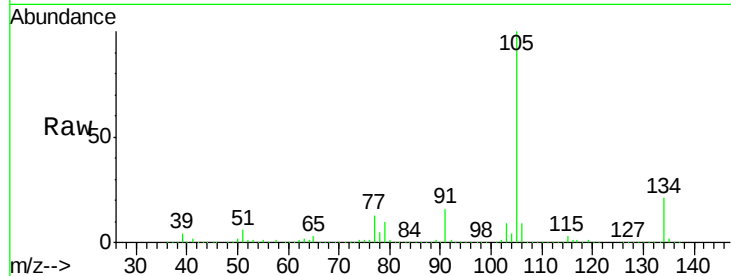
Ion Ratio Lower Upper

105 100

134 21.3 10.5 31.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2000000

1500000

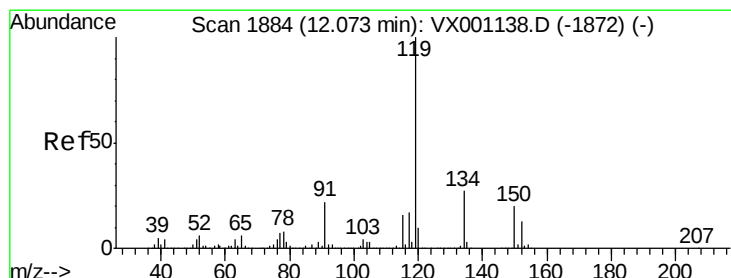
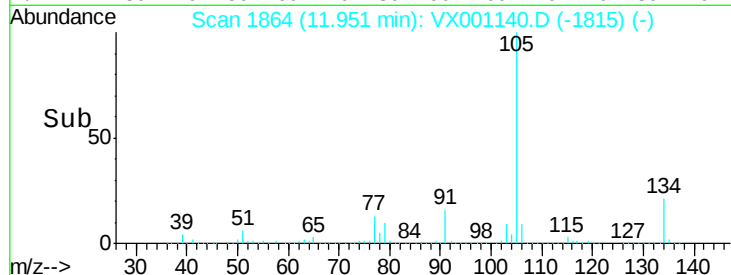
1000000

500000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 150.06 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

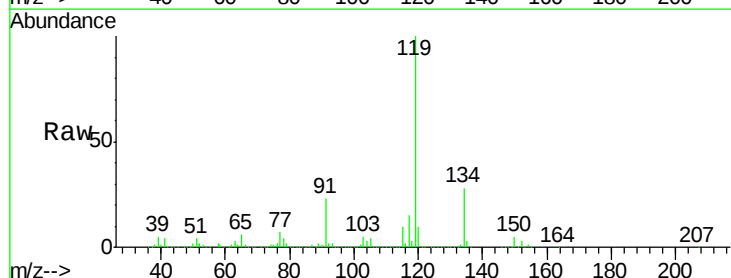
Tgt Ion:119 Resp: 2003015

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 23.1 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

2000000

1500000

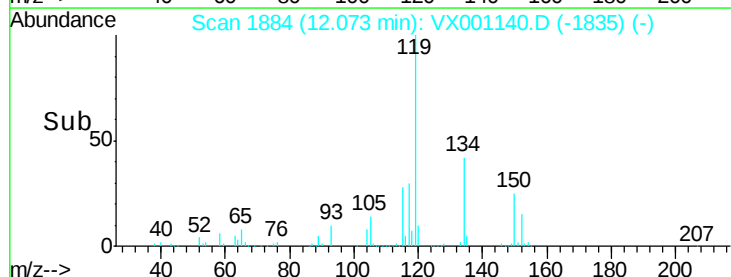
1000000

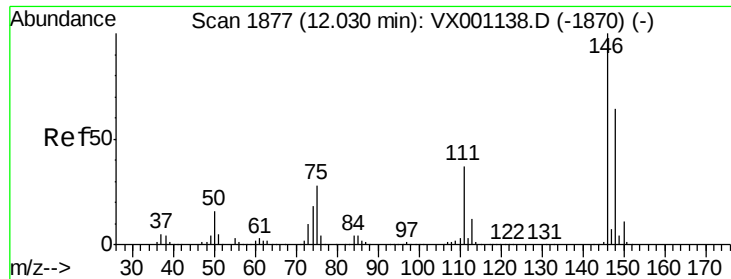
500000

0

12.00 12.10 12.20

Time-->





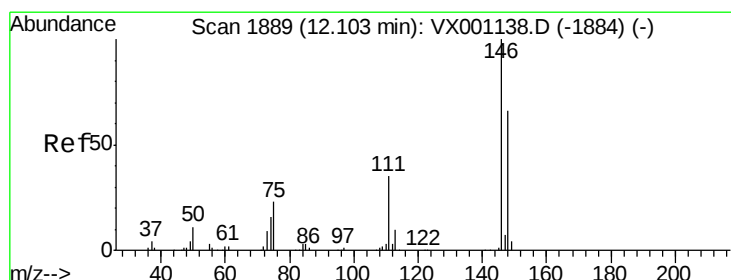
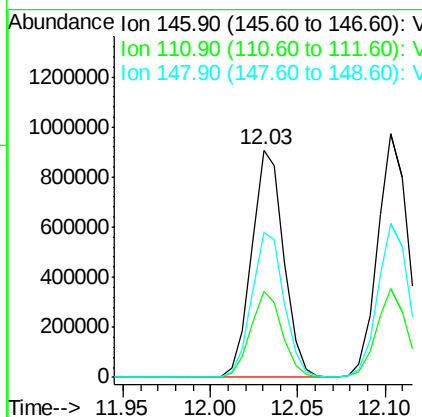
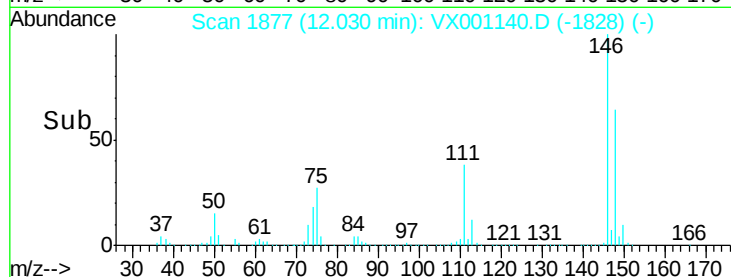
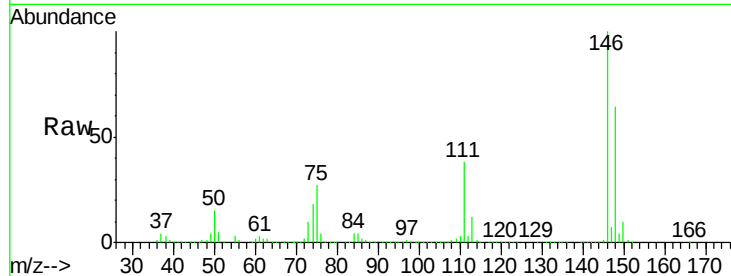
#87
 1,3-Dichlorobenzene
 Concen: 150.50 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1156129
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 56.0
 148 64.2 32.3 96.8

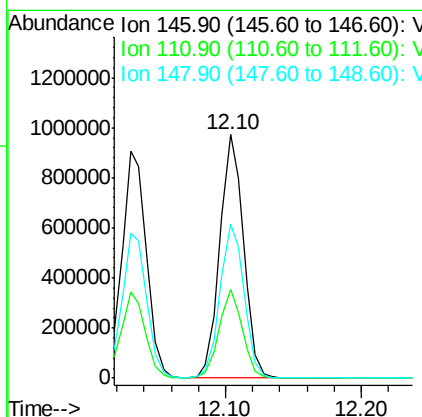
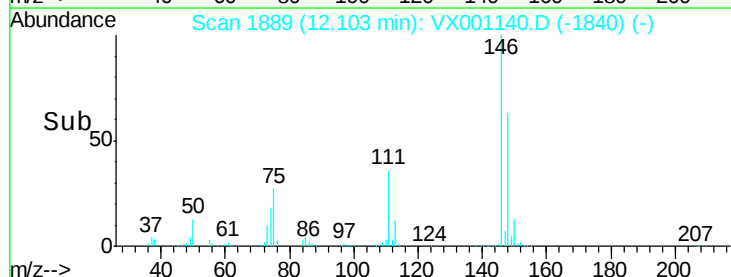
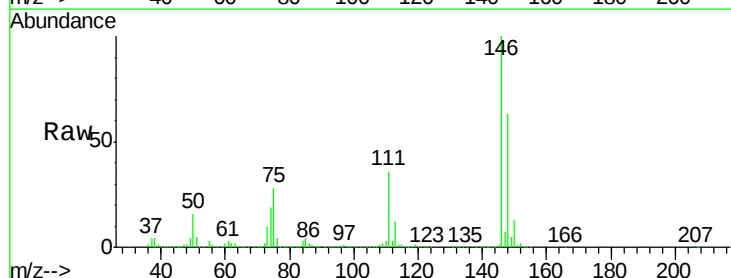
Manual Integrations
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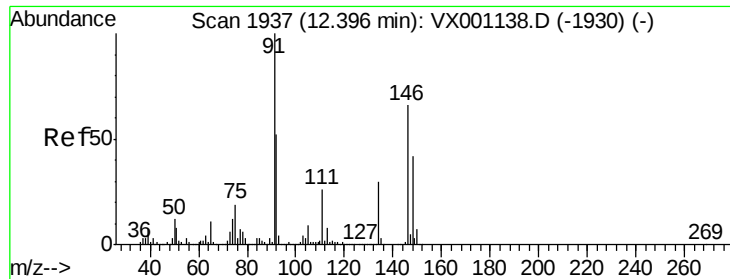
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#88
 1,4-Dichlorobenzene
 Concen: 148.70 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Tgt Ion:146 Resp: 1175423
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.0 54.0
 148 64.1 32.5 97.5





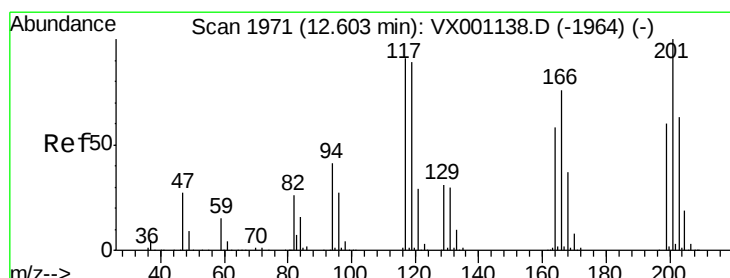
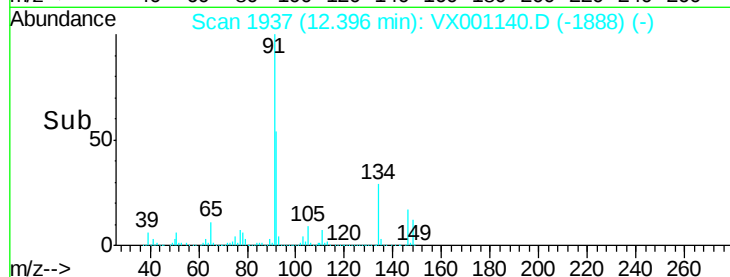
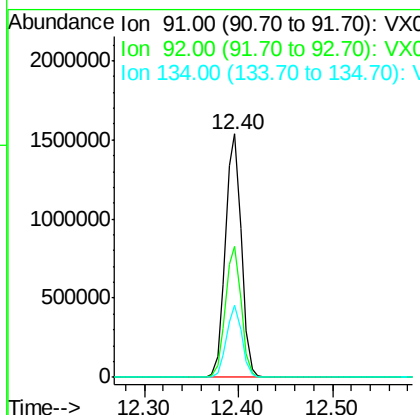
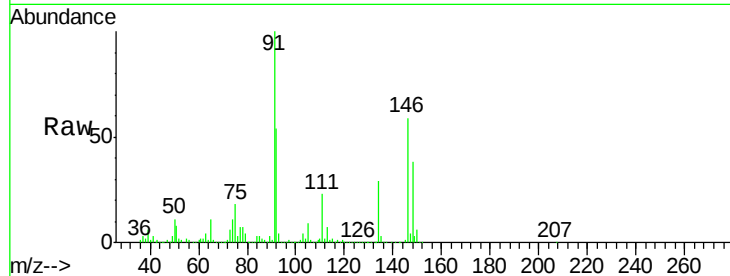
#89
n-Butylbenzene
Concen: 152.24 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	53.3	26.2	78.6	
134	28.5	14.1	42.3	

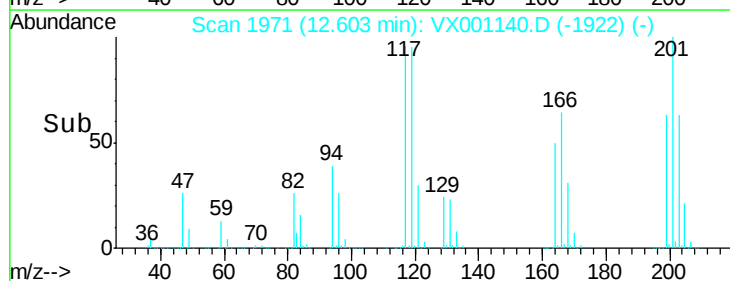
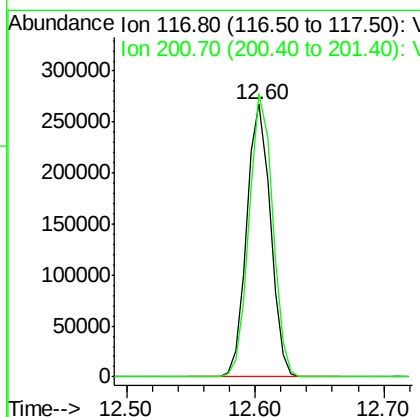
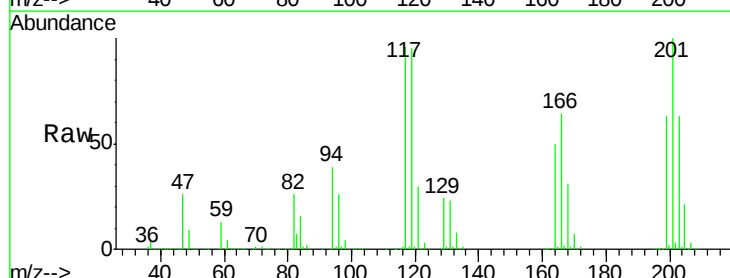
Manual Integrations
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#90
Hexachloroethane
Concen: 178.94 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001140.D
Acq: 26 Apr 2018 19:11

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	103.0	51.8	155.4	





#91

1,2-Dichlorobenzene

Concen: 156.70 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1172399

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.3

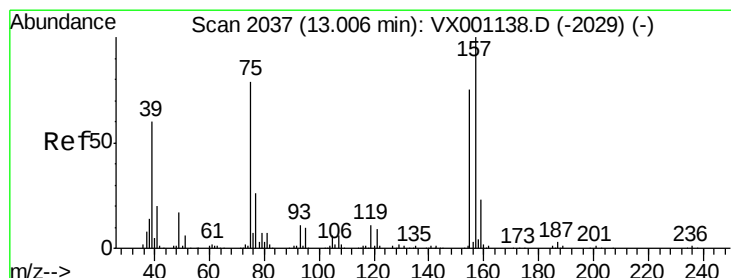
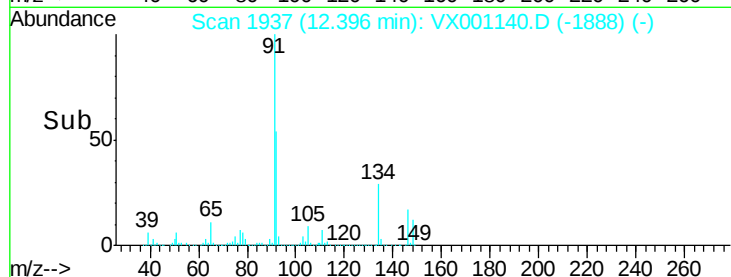
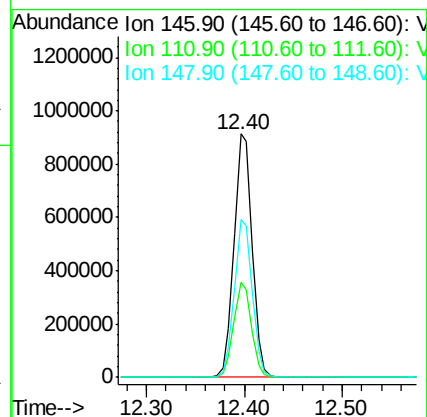
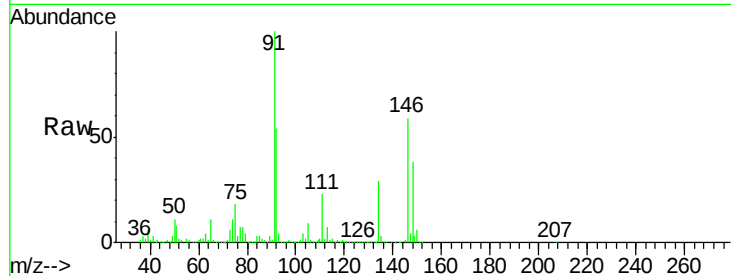
148 64.3 32.2 96.6

Manual Integrations

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#92

1,2-Dibromo-3-Chloropropane

Concen: 205.79 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

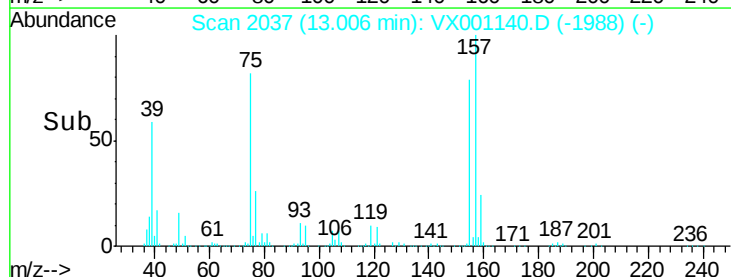
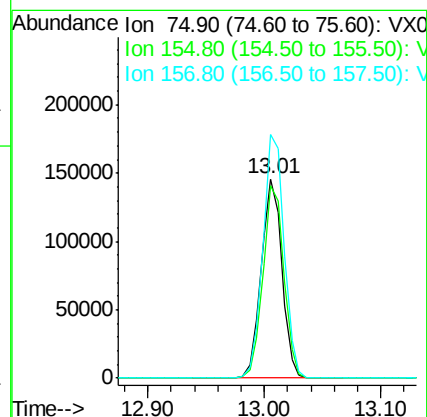
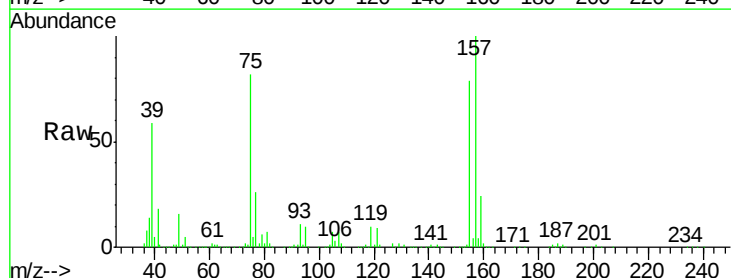
Tgt Ion: 75 Resp: 180875

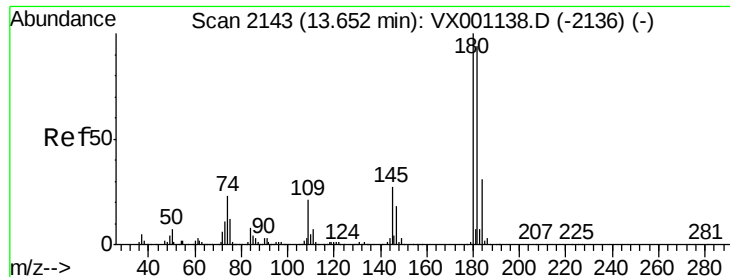
Ion Ratio Lower Upper

75 100

155 98.2 48.4 145.3

157 125.8 62.7 188.1





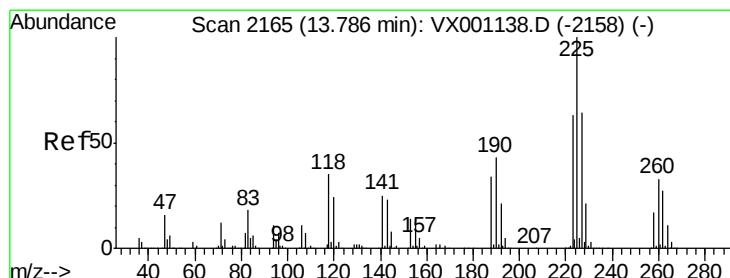
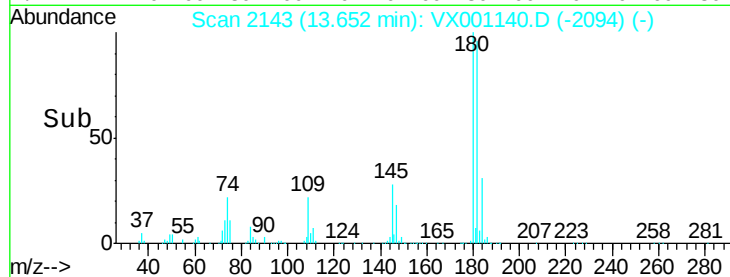
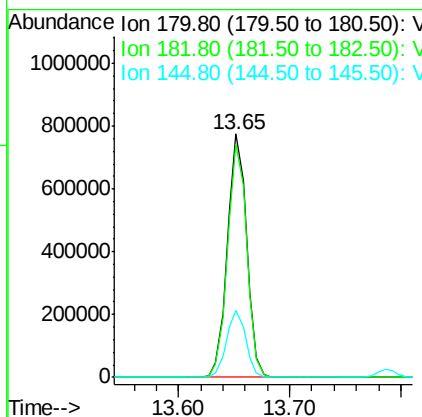
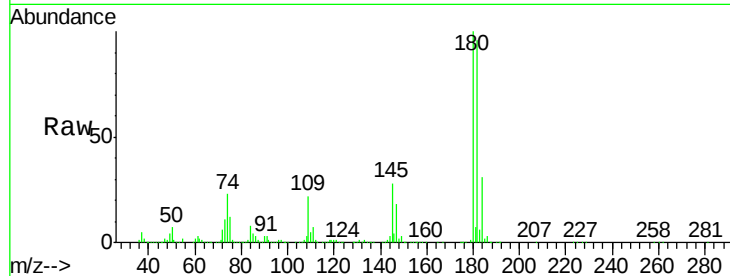
#93
 1,2,4-Trichlorobenzene
 Concen: 148.50 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	923046		
182	95.9	47.9	143.6	
145	27.6	13.8	41.4	

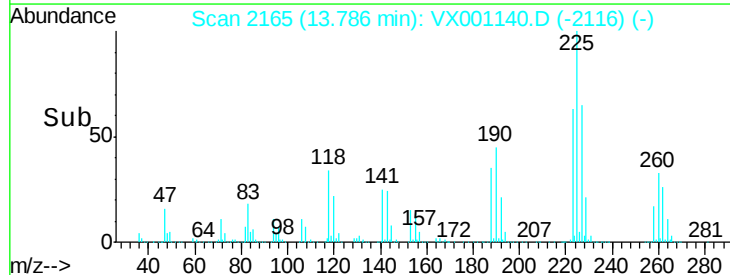
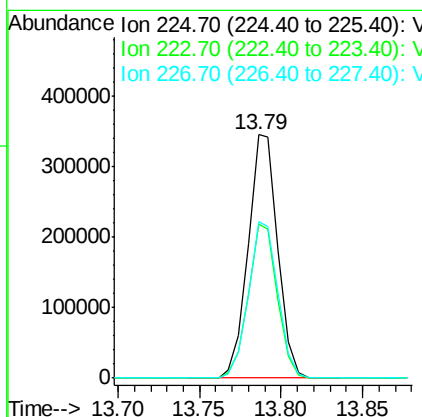
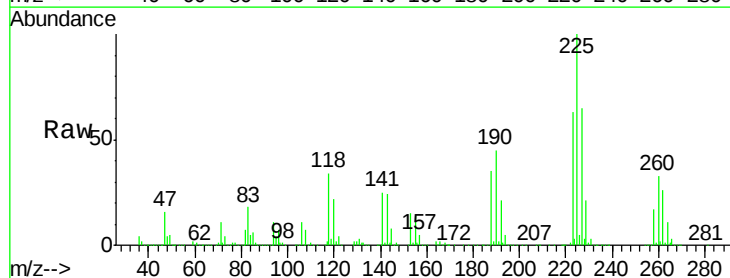
Manual Integrations
 APPROVED

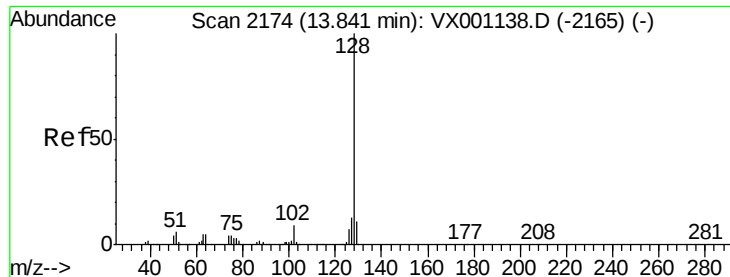
MMDadoda
 4/30/2018 6:03:27 PM



#94
 Hexachlorobutadiene
 Concen: 154.23 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001140.D
 Acq: 26 Apr 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	437035		
223	62.0	31.3	93.9	
227	63.9	32.2	96.6	





#95

Naphthalene

Concen: 167.81 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:128 Resp: 2618720

Ion Ratio Lower Upper

128 100

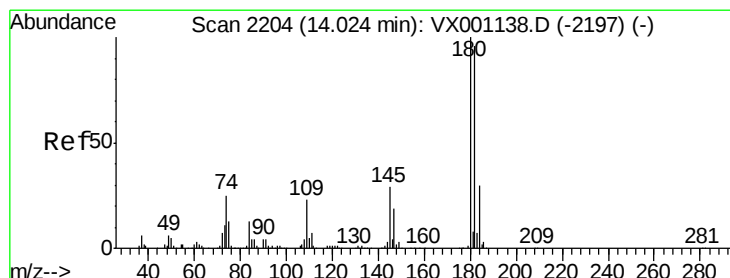
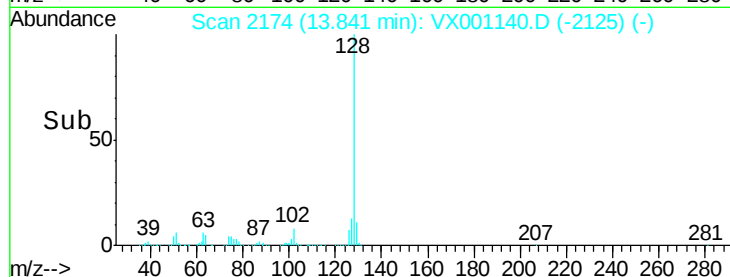
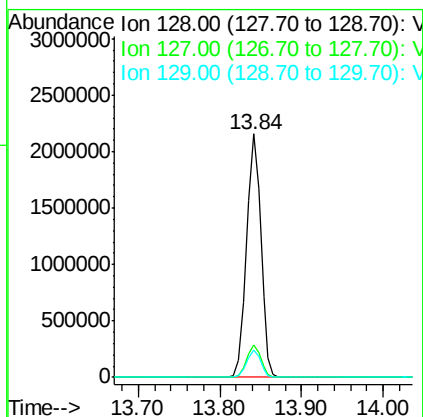
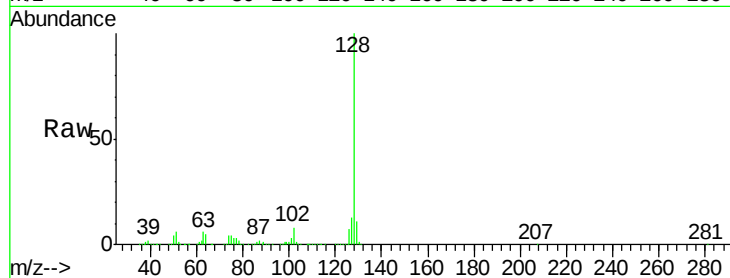
127 13.1 10.6 15.8

129 11.0 8.8 13.2

Manual Integrations
APPROVED

MMDadoda

4/30/2018 6:03:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 150.44 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX001140.D

Acq: 26 Apr 2018 19:11

Tgt Ion:180 Resp: 909852

Ion Ratio Lower Upper

180 100

182 95.6 48.2 144.6

145 29.3 14.5 43.5

