

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041418\
 Data File : VX000870.D
 Acq On : 14 Apr 2018 13:09
 Operator : JC/MD
 Sample : VX0414WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 12:51:34 PM

Quant Time: Apr 16 06:37:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	273410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	362933	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	241060	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	170677	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	5.51	113	141099	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	8.72	98	519478	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.15	95	213245	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	59763	19.36	ug/l	99
3) Chloromethane	1.32	50	49933	18.87	ug/l	99
4) Vinyl Chloride	1.40	62	57630	19.36	ug/l	99
5) Bromomethane	1.64	94	31016	24.47	ug/l	99
6) Chloroethane	1.73	64	34499	19.12	ug/l	99
7) Trichlorofluoromethane	1.93	101	88461	19.70	ug/l	98
8) Diethyl Ether	2.19	74	35526	21.18	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	54860	20.72	ug/l	99
10) Methyl Iodide	2.51	142	27866	19.53	ug/l	99
11) Tert butyl alcohol	3.08	59	69333	113.28	ug/l	99
12) 1,1-Dichloroethene	2.37	96	49121	19.58	ug/l	96
13) Acrolein	2.29	56	14943	50.27	ug/l	99
14) Allyl chloride	2.73	41	90867	19.58	ug/l	98
15) Acrylonitrile	3.15	53	151150	115.83	ug/l	99
16) Acetone	2.45	43	132831	111.73	ug/l	100
17) Carbon Disulfide	2.57	76	125321	16.49	ug/l	99
18) Methyl Acetate	2.78	43	76614	24.90	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	178923	21.41	ug/l	99
20) Methylene Chloride	2.86	84	54937	19.87	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	53507	19.34	ug/l	99
22) Diisopropyl ether	3.88	45	184675	21.66	ug/l	99
23) Vinyl Acetate	3.83	43	816031	108.99	ug/l	99
24) 1,1-Dichloroethane	3.70	63	97478	20.37	ug/l	100
25) 2-Butanone	4.72	43	226617	115.43	ug/l	100
26) 2,2-Dichloropropane	4.59	77	86673	18.25	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	63850	20.33	ug/l	100
28) Bromochloromethane	5.03	49	40076	20.80	ug/l	97
29) Tetrahydrofuran	5.18	42	143217	114.89	ug/l	99
30) Chloroform	5.23	83	104663	20.66	ug/l	97
31) Cyclohexane	5.58	56	87489	19.25	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	95251	19.74	ug/l	100
36) 1,1-Dichloropropene	5.81	75	78953	19.75	ug/l	99
37) Ethyl Acetate	4.87	43	88576	22.70	ug/l	100
38) Carbon Tetrachloride	5.79	117	83847	18.74	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
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Manual Integrations
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Quant Time: Apr 16 06:37:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	95569	19.91	ug/l	99
40) Benzene	6.15	78	228404	20.57	ug/l	99
41) Methacrylonitrile	5.07	41	51224	22.72	ug/l	99
42) 1,2-Dichloroethane	6.20	62	88202	21.26	ug/l	100
43) Isopropyl Acetate	6.48	43	145048	21.68	ug/l	100
44) Trichloroethene	7.22	130	69466	20.11	ug/l	98
45) 1,2-Dichloropropane	7.53	63	60527	21.40	ug/l	99
46) Dibromomethane	7.67	93	41266	20.93	ug/l	99
47) Bromodichloromethane	7.90	83	78750	19.79	ug/l	98
48) Methyl methacrylate	7.79	41	74948	21.61	ug/l	99
49) 1,4-Dioxane	7.77	88	31139	446.84	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	455568	115.93	ug/l	100
52) Toluene	8.79	92	149688	20.32	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	95492	20.01	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	91058	19.59	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	62461	21.35	ug/l	98
56) Ethyl methacrylate	9.19	69	96745	21.44	ug/l	99
57) 1,3-Dichloropropane	9.38	76	101544	21.84	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	247414	117.36	ug/l	100
59) 2-Hexanone	9.51	43	350324	115.48	ug/l	100
60) Dibromochloromethane	9.59	129	67832	19.38	ug/l	100
61) 1,2-Dibromoethane	9.68	107	66524	21.44	ug/l	100
64) Tetrachloroethene	9.34	164	73257	21.59	ug/l	99
65) Chlorobenzene	10.15	112	179627	20.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	65632	19.97	ug/l	99
67) Ethyl Benzene	10.26	91	298419	20.50	ug/l	100
68) m/p-Xylenes	10.37	106	235072	40.91	ug/l	99
69) o-Xylene	10.71	106	113018	20.41	ug/l	97
70) Styrene	10.72	104	192126	20.58	ug/l	100
71) Bromoform	10.87	173	56245	18.49	ug/l #	100
73) Isopropylbenzene	11.02	105	310566	20.31	ug/l	100
74) N-amyl acetate	6.48	43	145048	21.06	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	94021	21.18	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	89730m	21.58	ug/l	
77) Bromobenzene	11.26	156	89946	20.07	ug/l	99
78) n-propylbenzene	11.37	91	351843	20.11	ug/l	99
79) 2-Chlorotoluene	11.43	91	208107	20.13	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	266255	20.24	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	25795	17.07	ug/l	91
82) 4-Chlorotoluene	11.52	91	251599	20.16	ug/l	100
83) tert-Butylbenzene	11.77	119	271202	20.16	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	275192	20.27	ug/l	99
85) sec-Butylbenzene	11.95	105	325136	20.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	300764	20.32	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	168825	20.35	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	172783	20.32	ug/l	99
89) n-Butylbenzene	12.40	91	266431	20.39	ug/l	100
90) Hexachloroethane	12.60	117	42667	17.03	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	164070	20.49	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21198	19.06	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

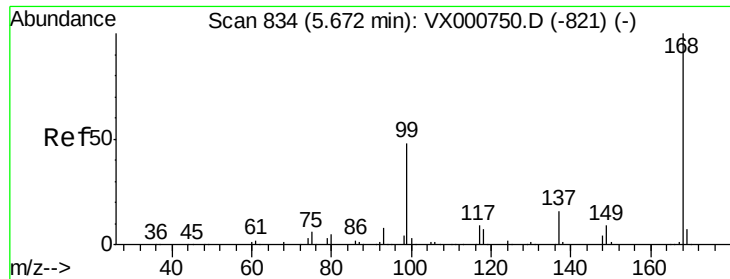
Manual Integrations
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4/16/2018 12:51:34 PM

Quant Time: Apr 16 06:37:10 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	140607	20.58	ug/l	99
94) Hexachlorobutadiene	13.79	225	69982	20.83	ug/l	100
95) Naphthalene	13.84	128	375099	21.38	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	138270	20.83	ug/l	100

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



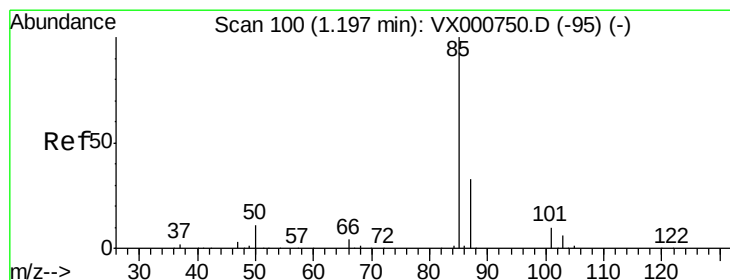
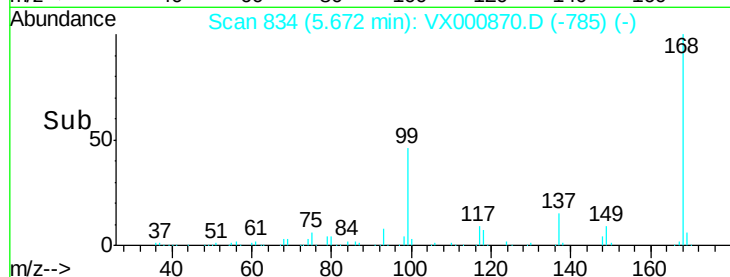
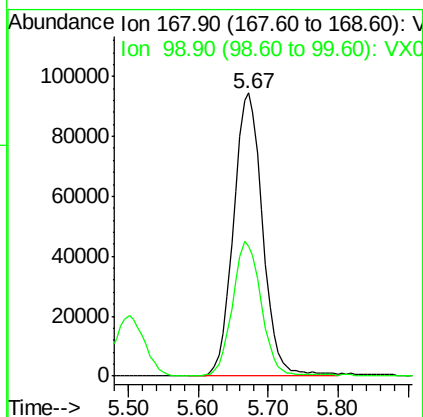
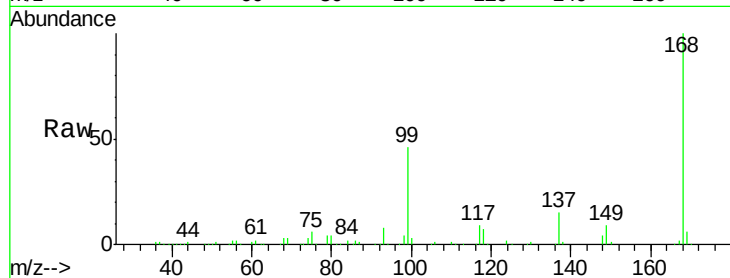
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion:168 Resp: 273410
Ion Ratio Lower Upper
168 100
99 45.9 38.3 57.5

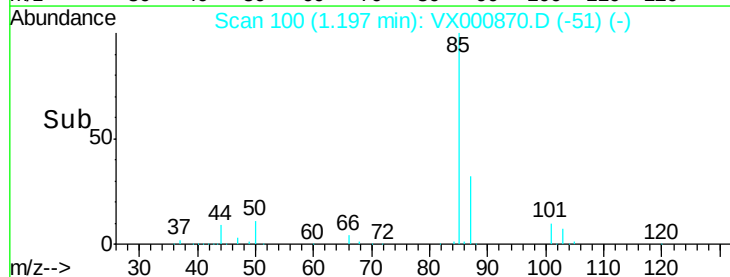
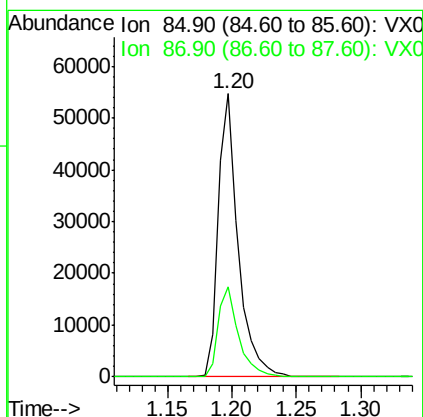
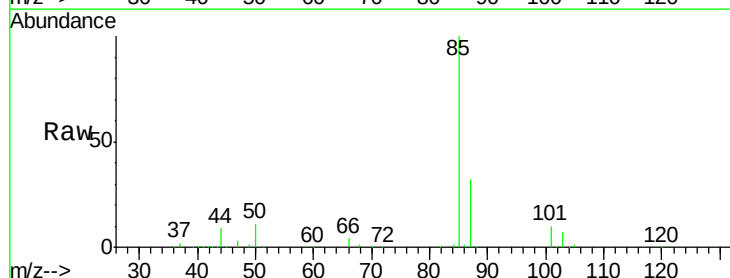
Manual Integrations
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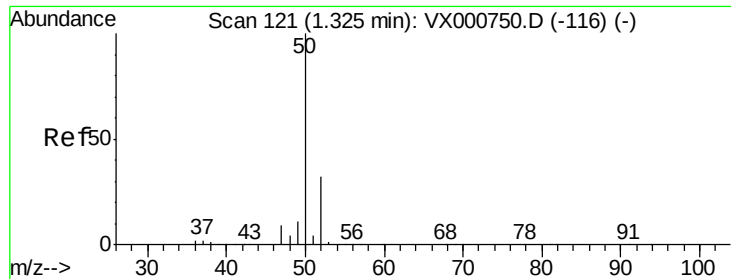
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#2
Dichlorodifluoromethane
Concen: 19.36 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion: 85 Resp: 59763
Ion Ratio Lower Upper
85 100
87 32.0 16.3 48.8





#3

Chloromethane

Concen: 18.87 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBSD01

Tot Ion: 50 Resp: 49933

Ion Ratio Lower Upper

50 100

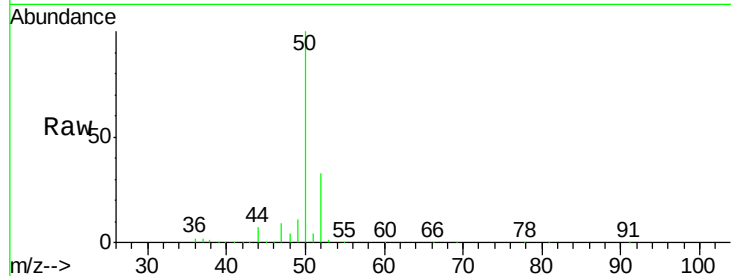
52 32.9 25.8 38.8

Manual Integrations

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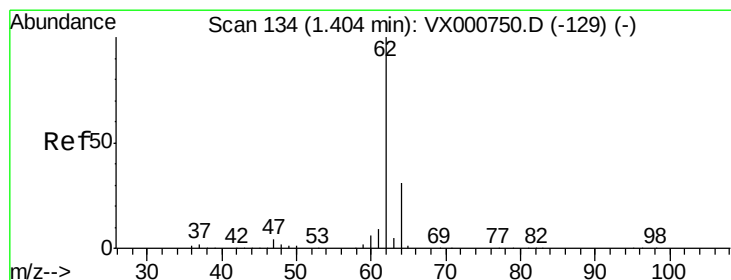
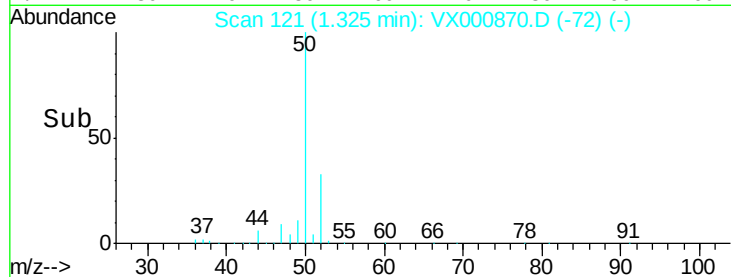
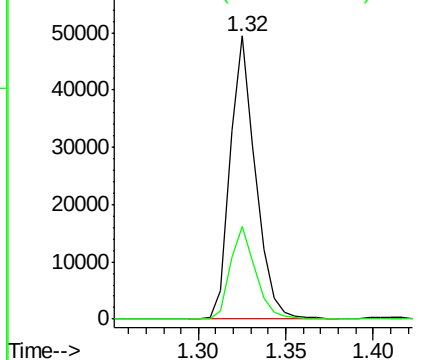
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.36 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX000870.D

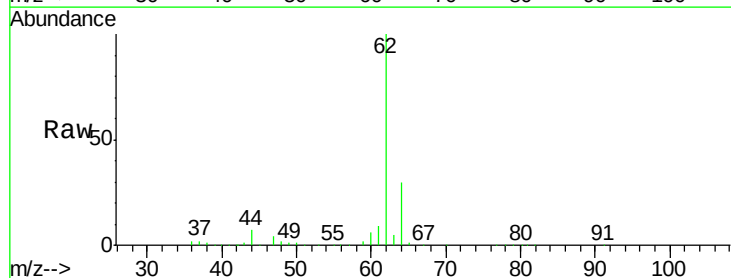
Acq: 14 Apr 2018 13:09

Tgt Ion: 62 Resp: 57630

Ion Ratio Lower Upper

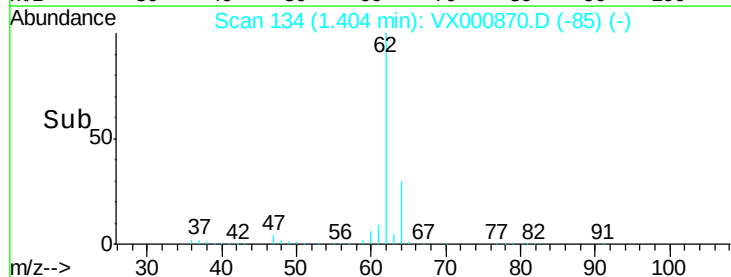
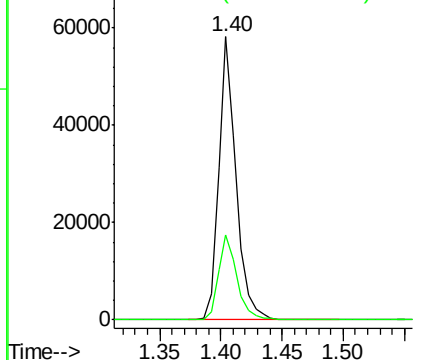
62 100

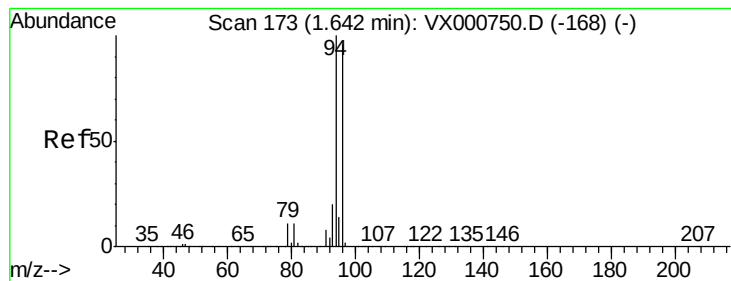
64 30.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 24.47 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBSD01

Tot Ion: 94 Resp: 31016

Ion Ratio Lower Upper

94 100

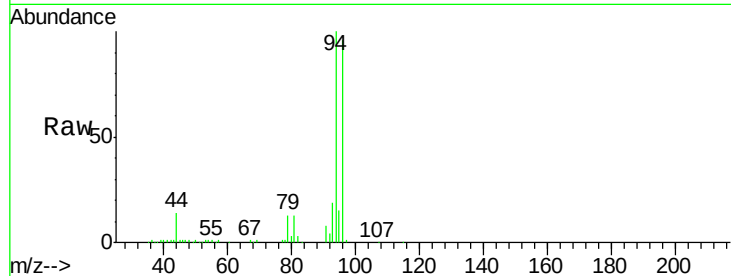
96 95.8 77.0 115.6

Manual Integrations

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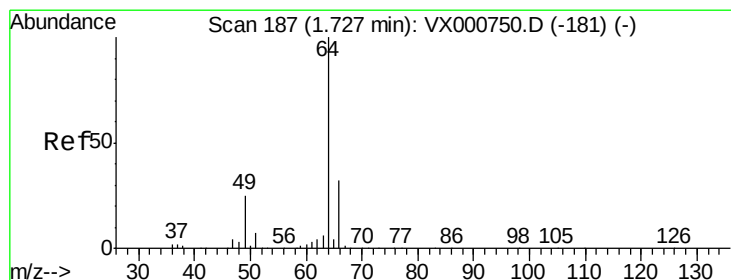
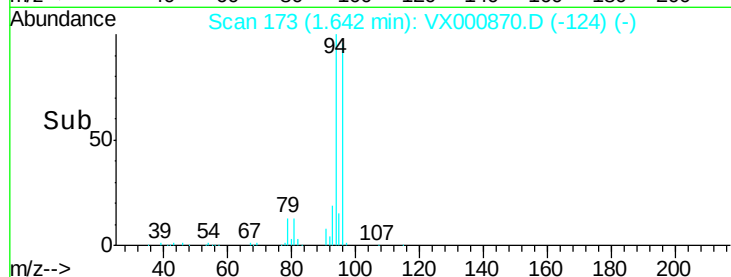
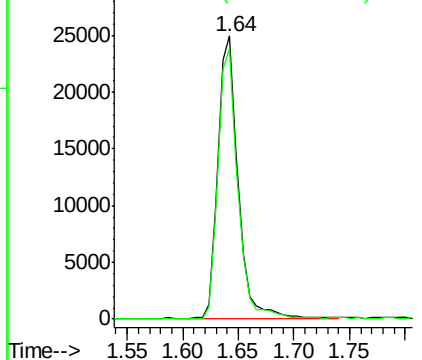
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.12 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000870.D

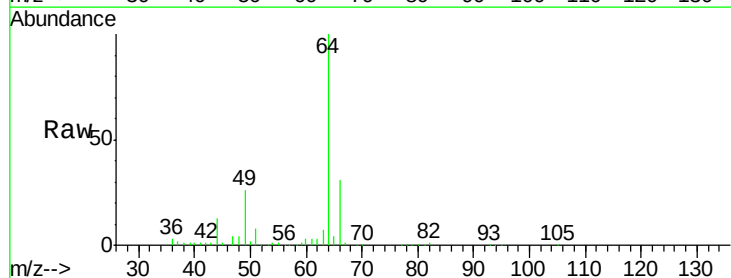
Acq: 14 Apr 2018 13:09

Tgt Ion: 64 Resp: 34499

Ion Ratio Lower Upper

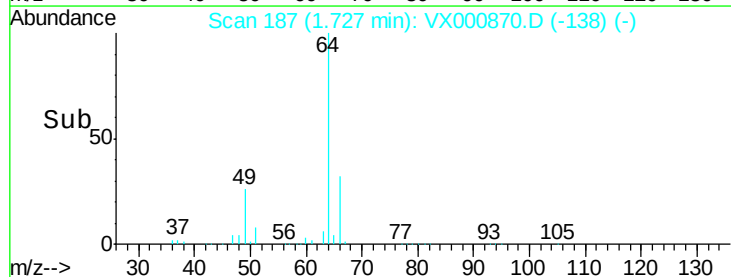
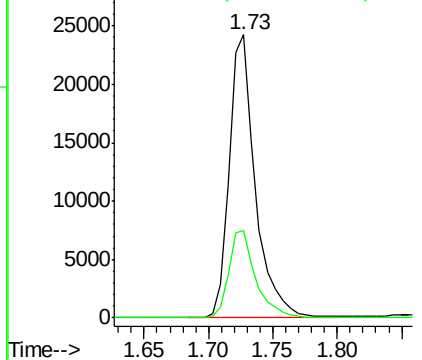
64 100

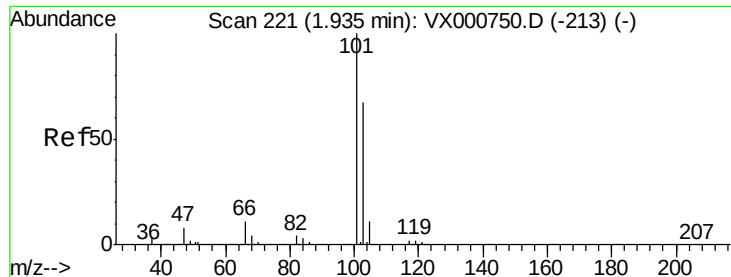
66 31.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

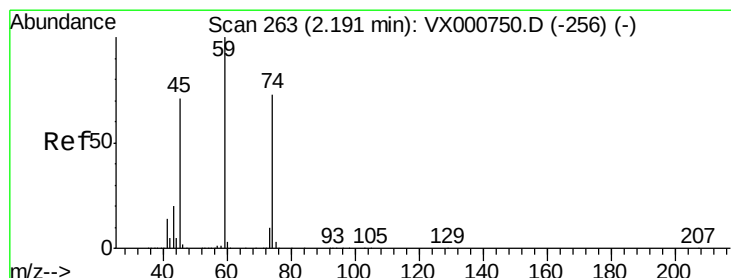
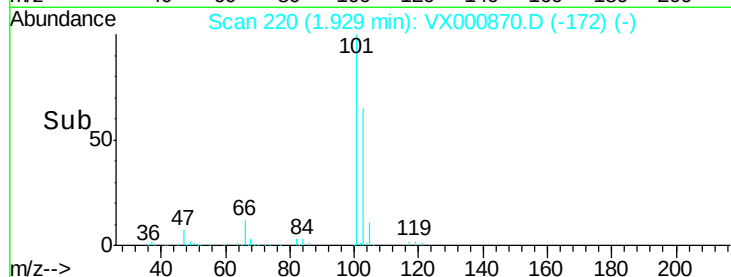
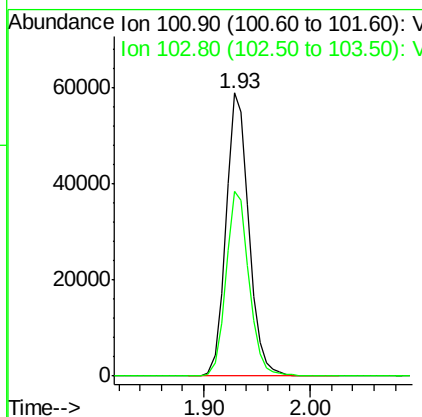
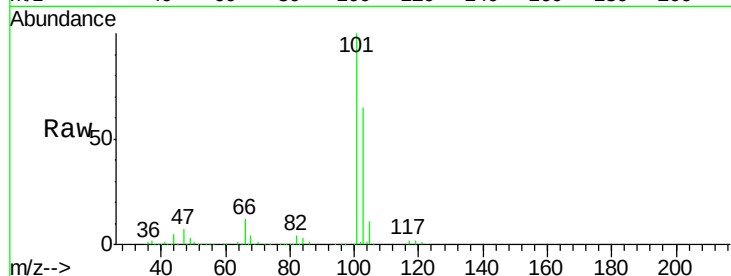
Trichlorofluoromethane
 Concen: 19.70 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.2	79.8

Manual Integrations
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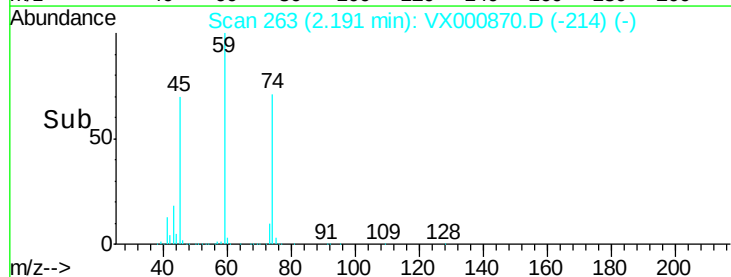
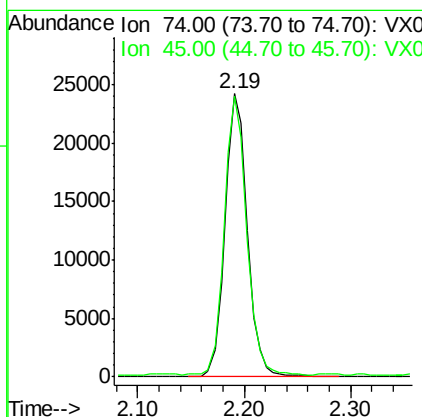
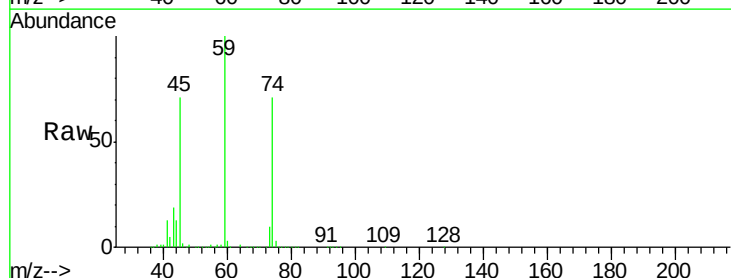
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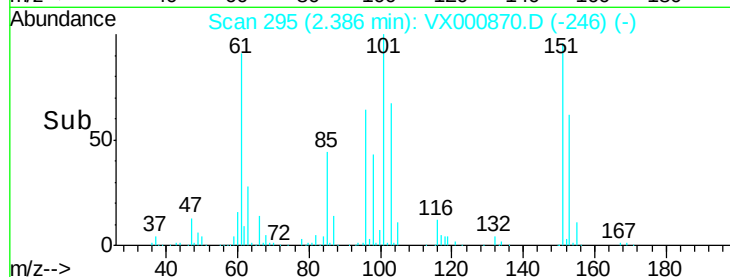
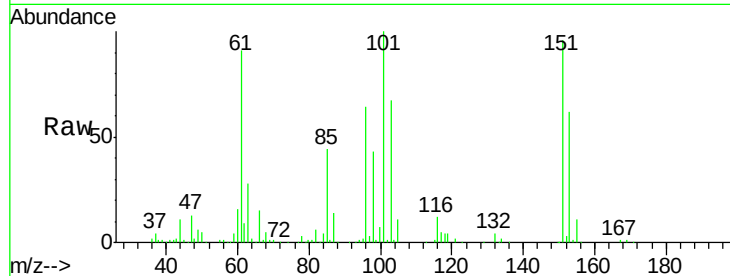
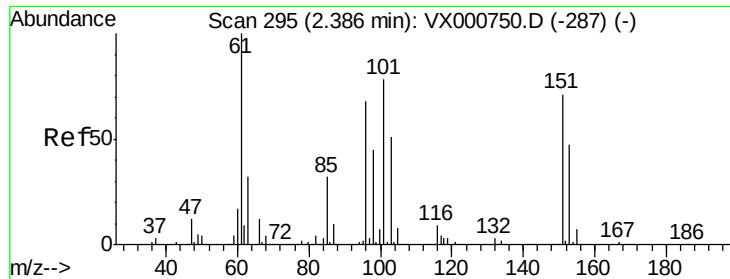


#8

Diethyl Ether
 Concen: 21.18 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.72 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000870.D

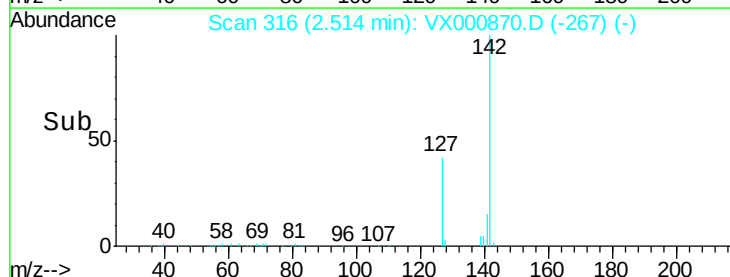
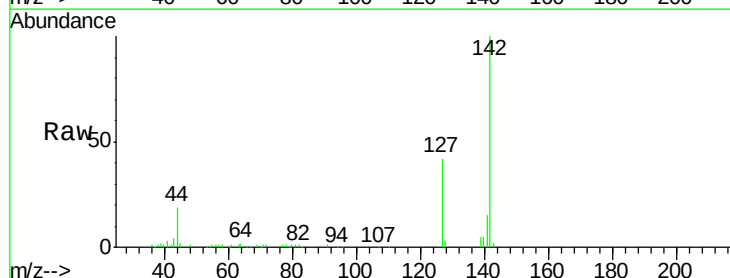
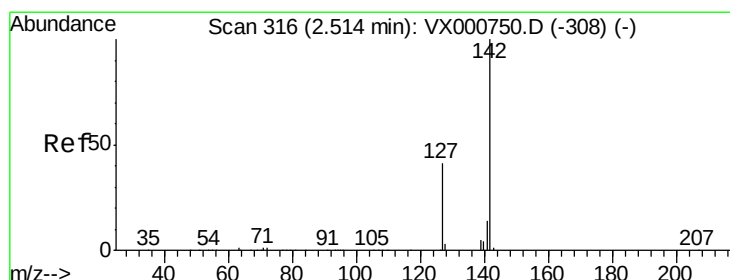
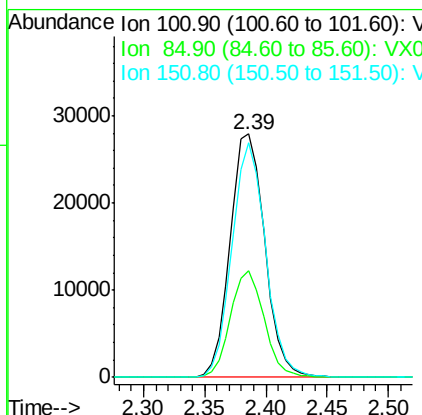
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	54860		
85	42.4	34.0	51.0	
151	93.4	75.8	113.8	

Manual Integrations
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#10

Methyl Iodide

Concen: 19.53 ug/l

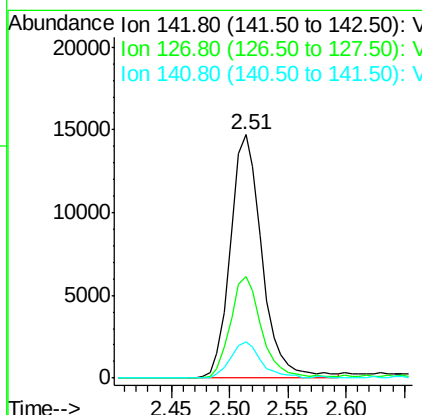
RT: 2.51 min Scan# 316

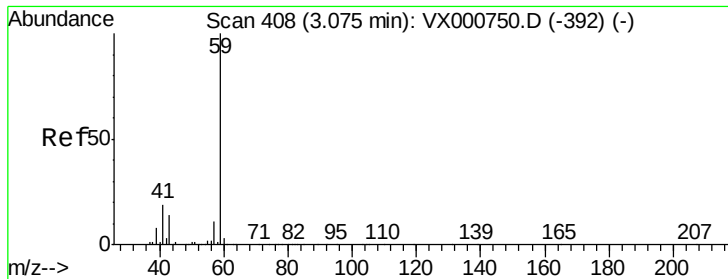
Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	27866		
127	41.2	32.6	49.0	
141	14.2	11.5	17.3	





#11

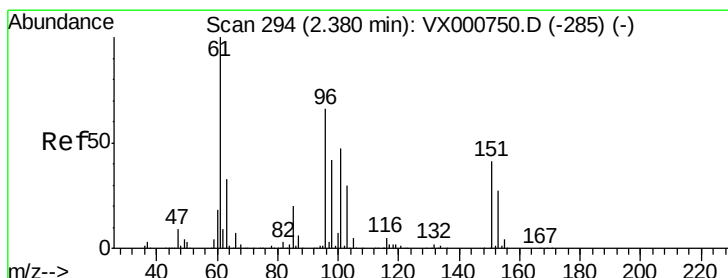
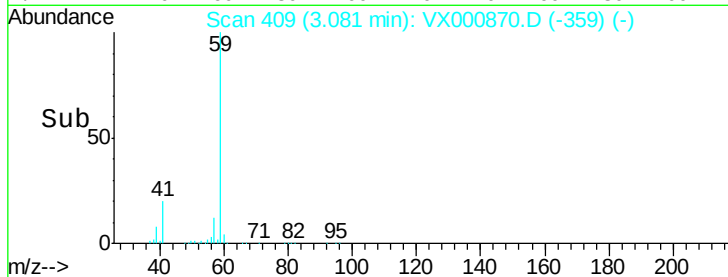
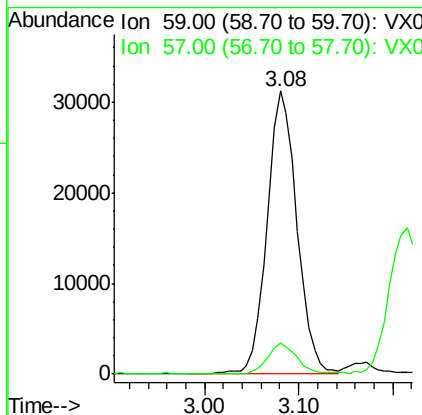
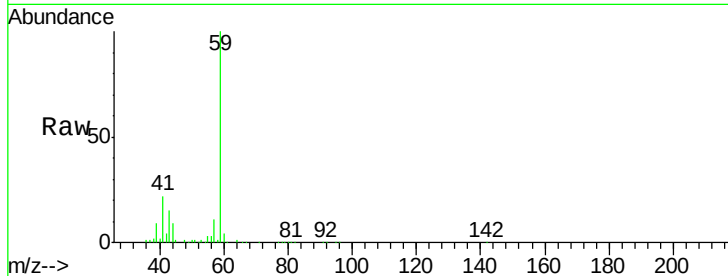
Tert butyl alcohol
Concen: 113.28 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampled :
VX0414WBSD01

Tot Ion	59	Resp	69333
Ion Ratio	100	Lower	Upper
57	10.2	8.4	12.6

Manual Integrations
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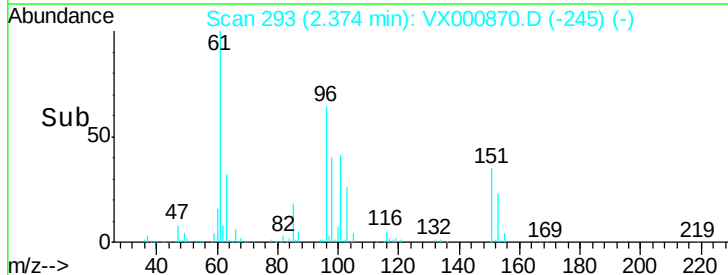
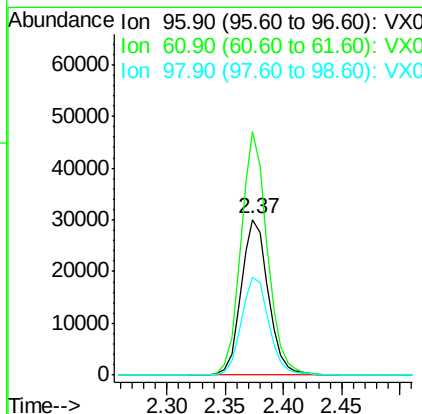
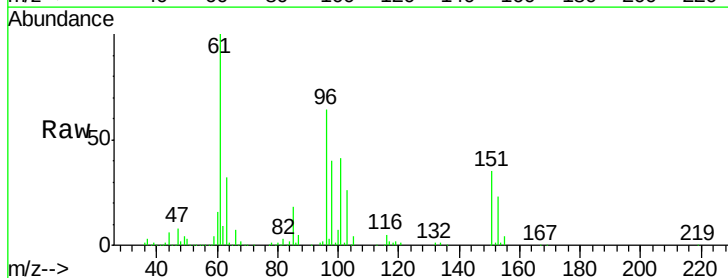
MMDadoda
4/16/2018 12:51:34 PM

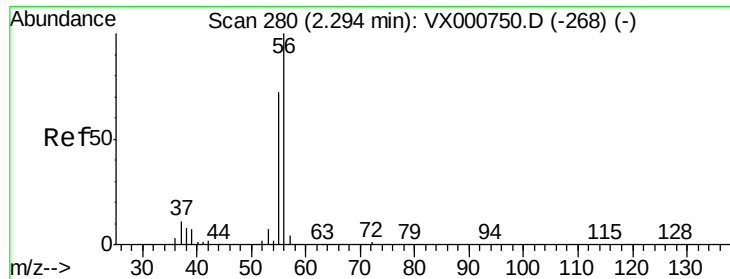


#12

1,1-Dichloroethene
Concen: 19.58 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	96	Resp	49121
Ion Ratio	100	Lower	Upper
61	156.5	120.5	180.7
98	62.6	50.9	76.3





#13

Acrolein

Concen: 50.27 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBSD01

Tot Ion: 56 Resp: 14943

Ion Ratio Lower Upper

56 100

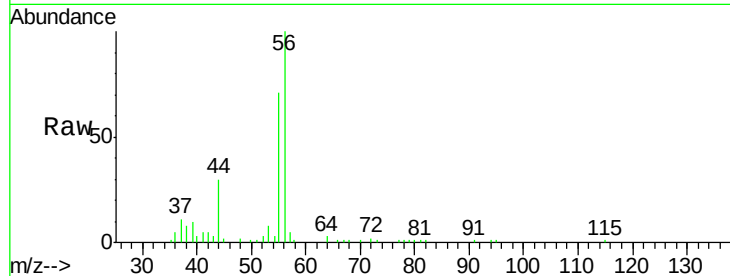
55 74.1 58.7 88.1

Manual Integrations

APPROVED

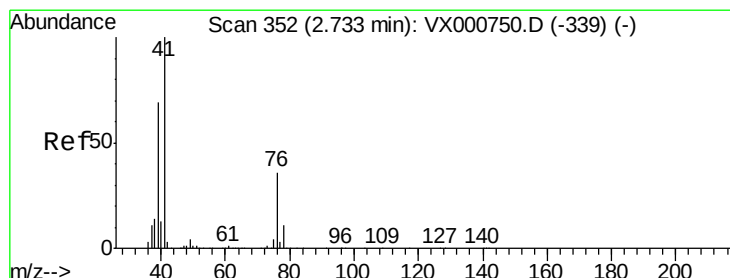
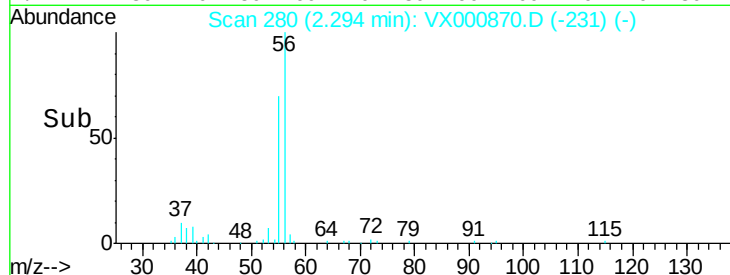
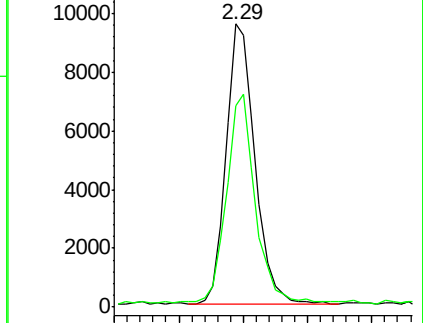
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.58 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

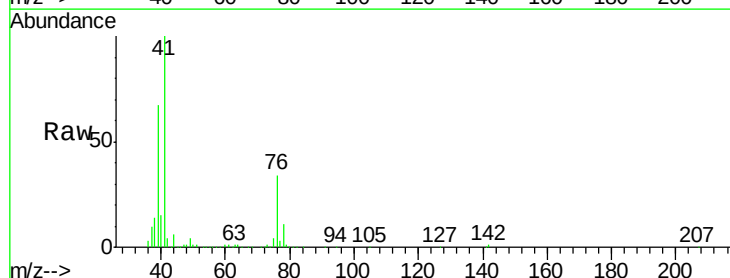
Tgt Ion: 41 Resp: 90867

Ion Ratio Lower Upper

41 100

39 62.2 51.5 77.3

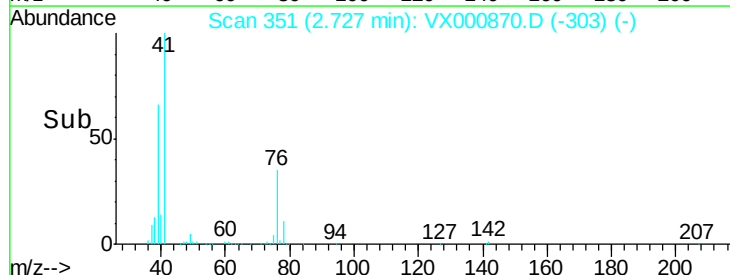
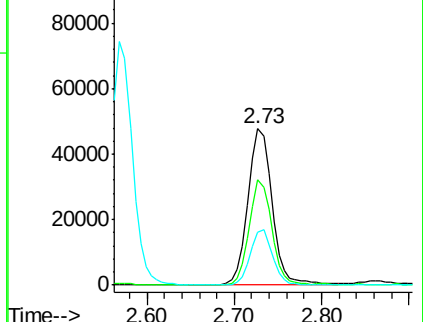
76 33.1 26.5 39.7

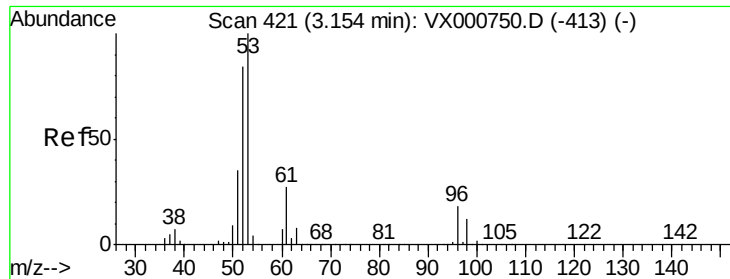


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 115.83 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

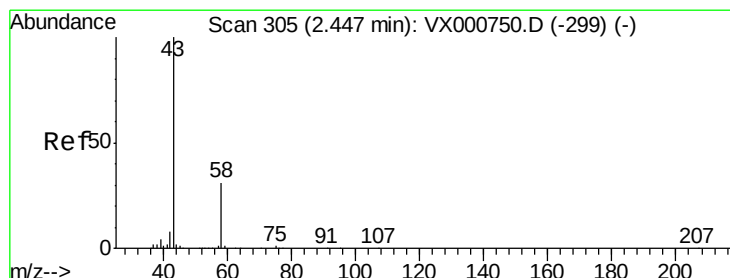
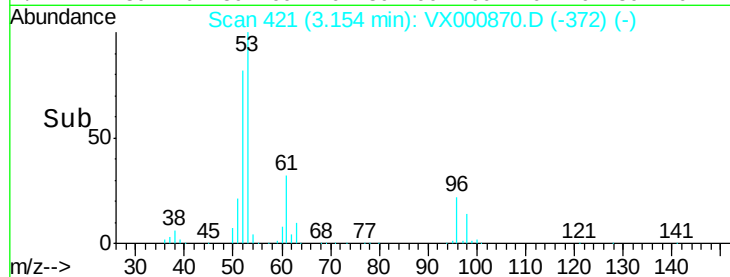
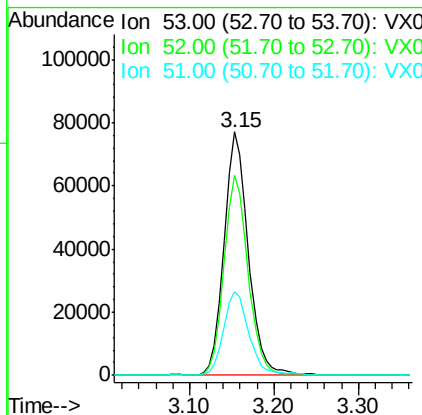
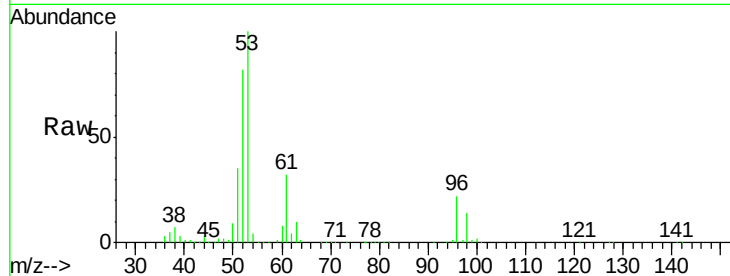
ClientSampleId :

VX0414WBSD01

Tot Ion:	53	Resp:	151150
Ion Ratio		Lower	Upper
53	100		
52	81.9	66.5	99.7
51	36.4	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 111.73 ug/l

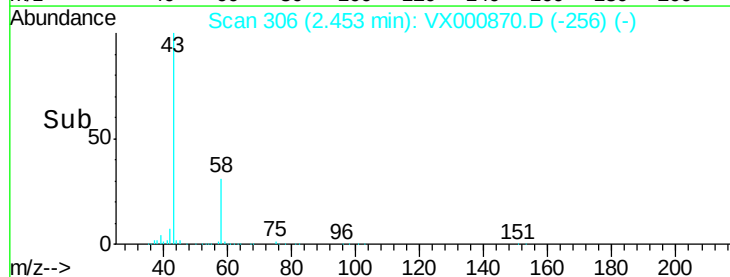
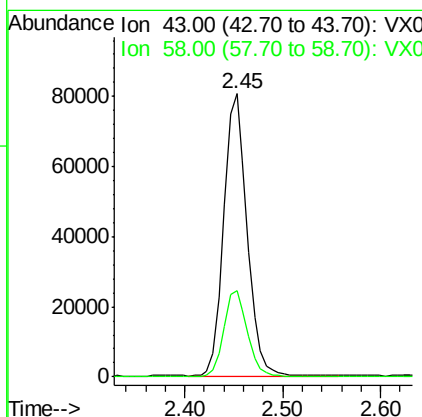
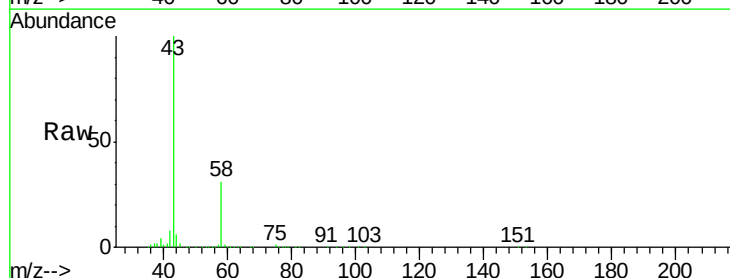
RT: 2.45 min Scan# 306

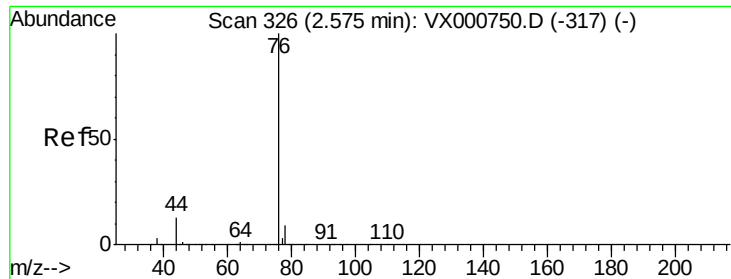
Delta R.T. 0.01 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Tgt Ion:	43	Resp:	132831
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.6	37.0





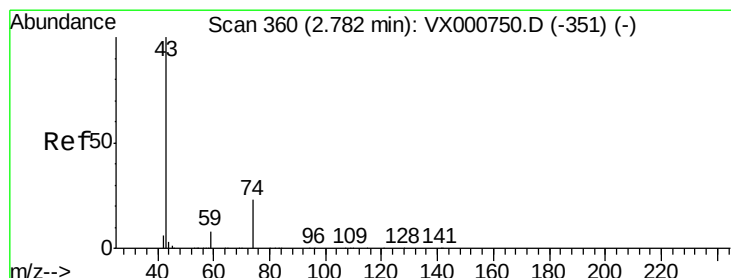
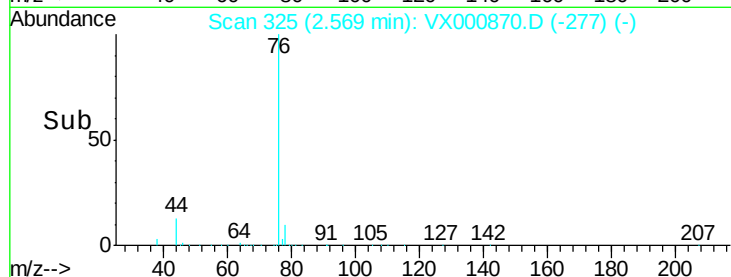
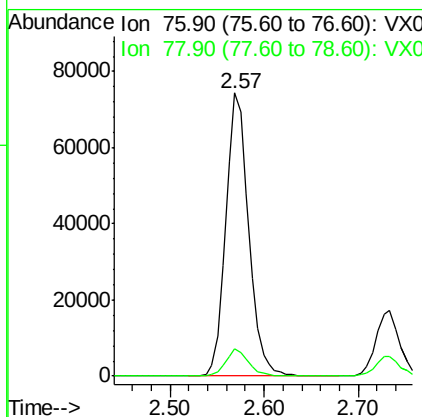
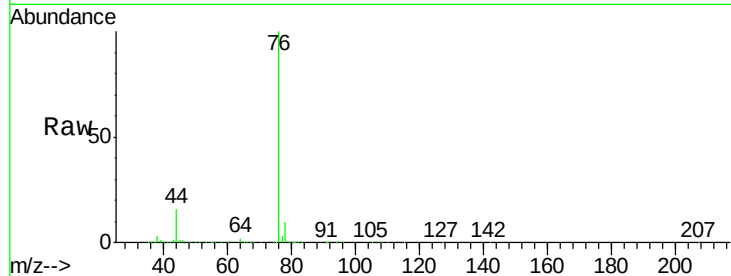
#17
Carbon Disulfide
Concen: 16.49 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

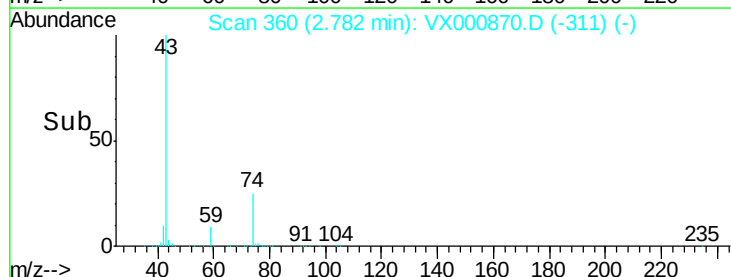
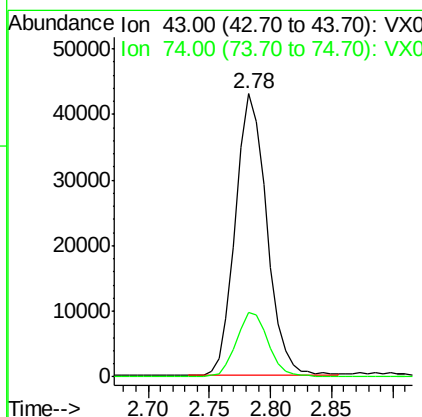
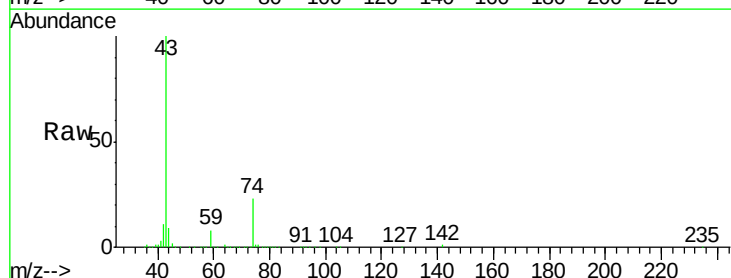
Manual Integrations
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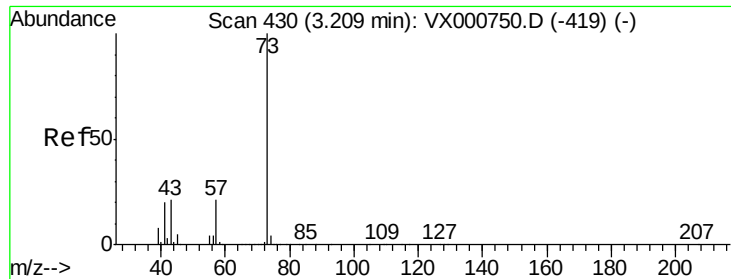
MMDadoda
4/16/2018 12:51:34 PM



#18
Methyl Acetate
Concen: 24.90 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.1	28.7





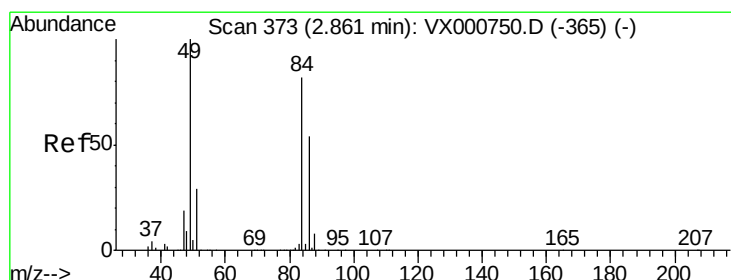
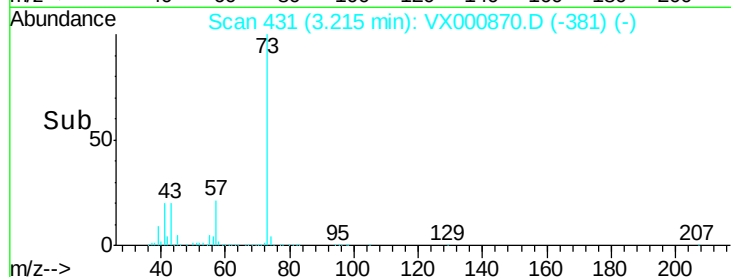
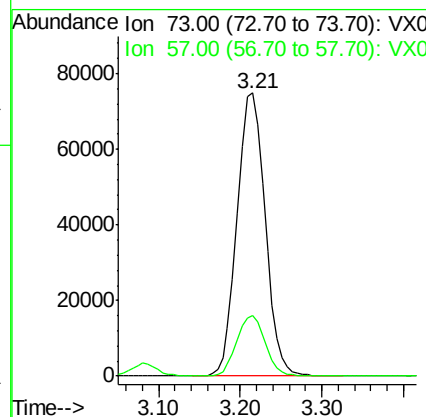
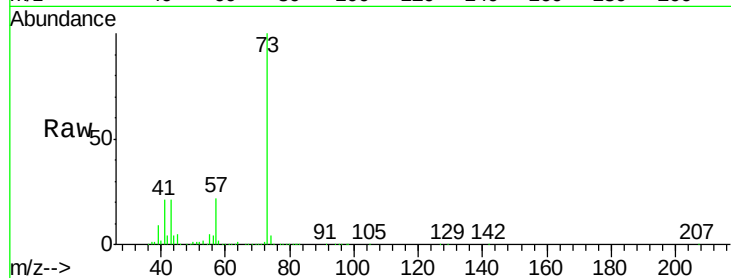
#19
Methyl tert-butyl Ether
Concen: 21.41 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.9	25.3

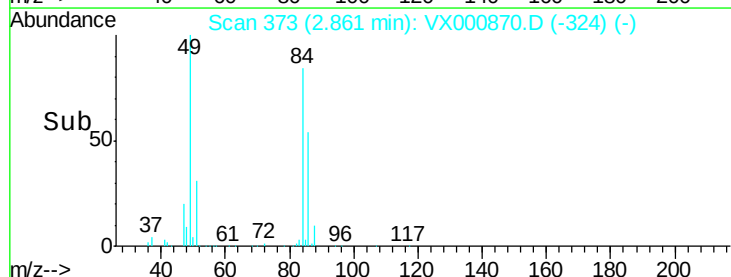
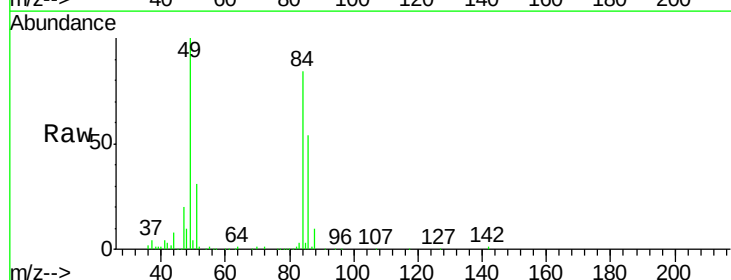
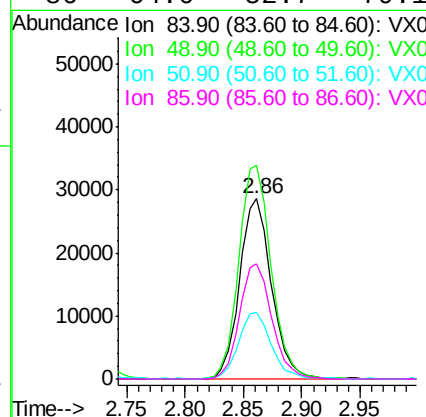
Manual Integrations
APPROVED

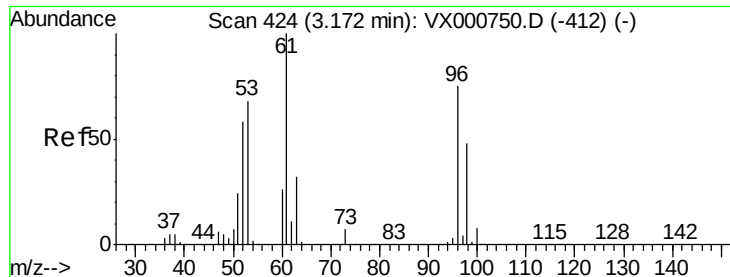
MMDadoda
4/16/2018 12:51:34 PM



#20
Methylene Chloride
Concen: 19.87 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.4	98.1	147.1
51	36.7	28.9	43.3
86	64.0	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 19.34 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

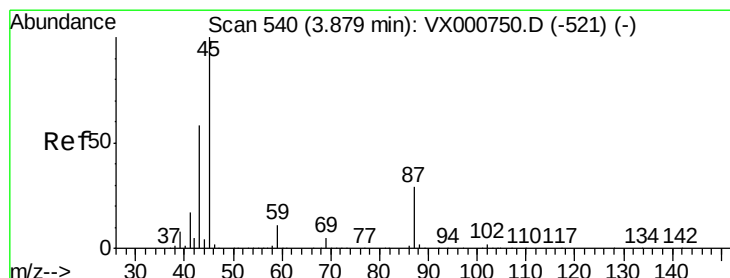
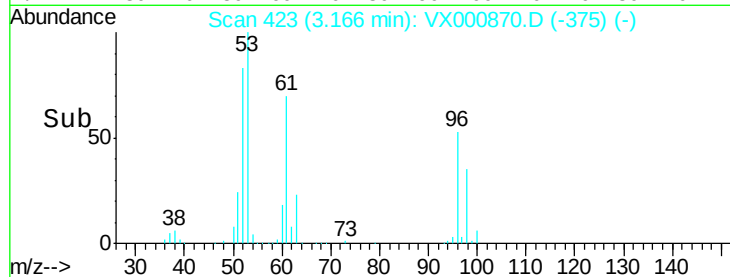
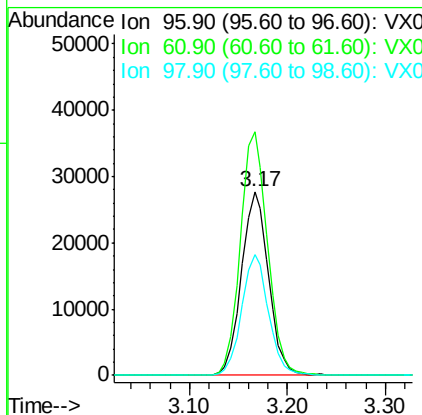
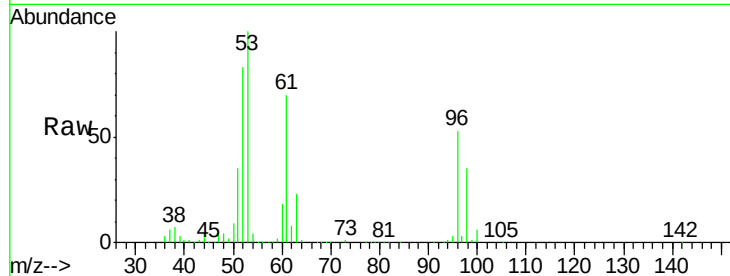
ClientSampleId :

VX0414WBSD01

Tot Ion:	96	Resp:	53507
Ion	Ratio	Lower	Upper
96	100		
61	132.4	106.2	159.2
98	65.6	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.66 ug/l

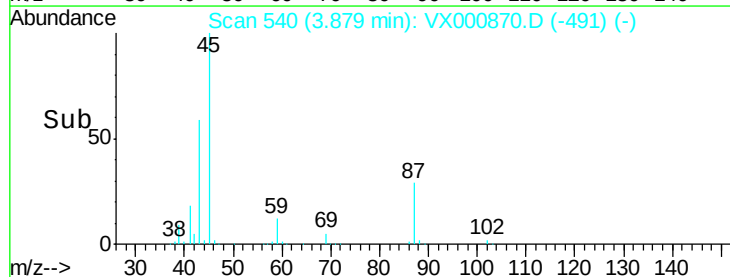
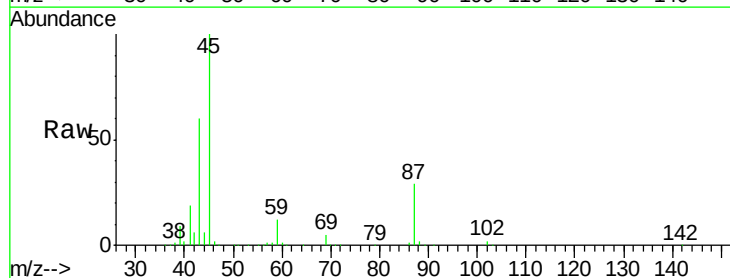
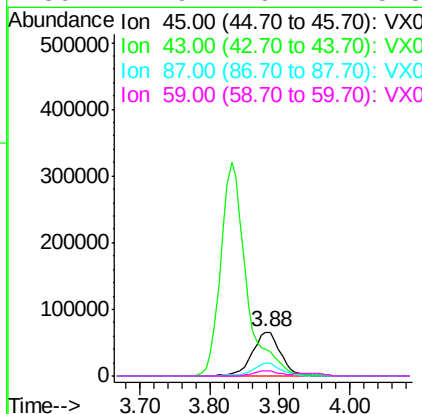
RT: 3.88 min Scan# 540

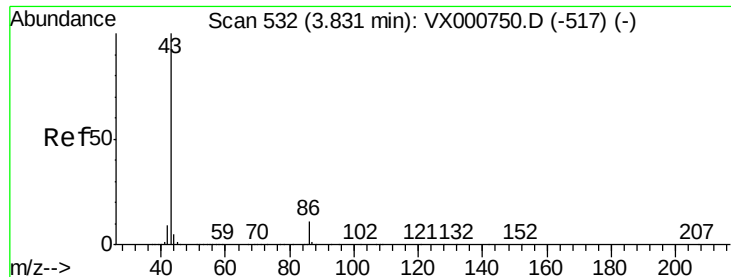
Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Tgt Ion:	45	Resp:	184675
Ion	Ratio	Lower	Upper
45	100		
43	59.4	46.6	69.8
87	29.3	22.9	34.3
59	11.9	9.2	13.8





#23

Vinyl Acetate

Concen: 108.99 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBSD01

Tot Ion: 43 Resp: 816031

Ion Ratio Lower Upper

43 100

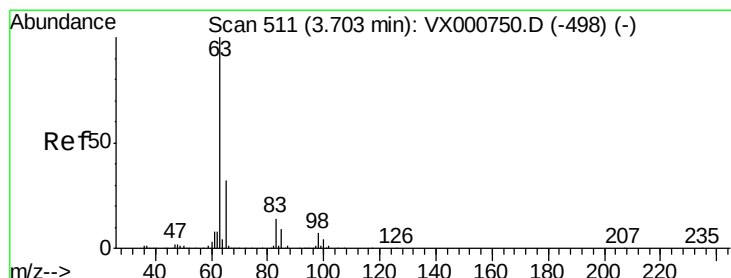
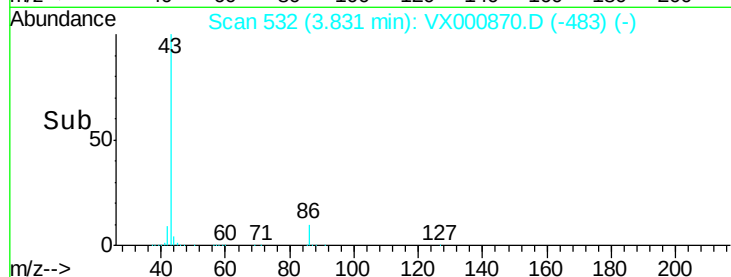
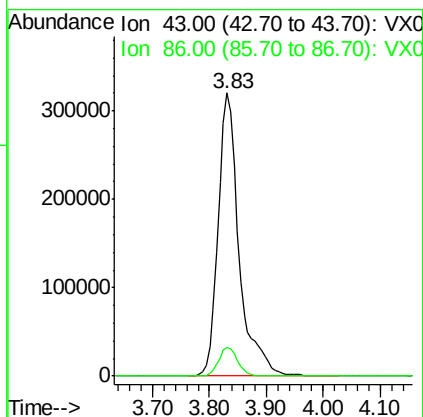
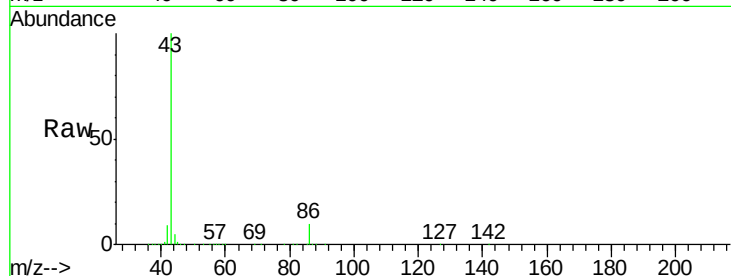
86 10.2 8.6 12.8

Manual Integrations

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MMDadoda

4/16/2018 12:51:34 PM



#24

1,1-Dichloroethane

Concen: 20.37 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

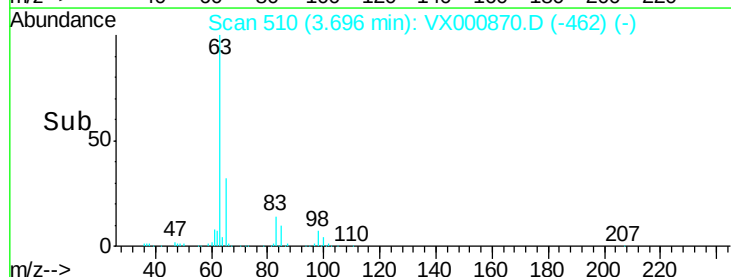
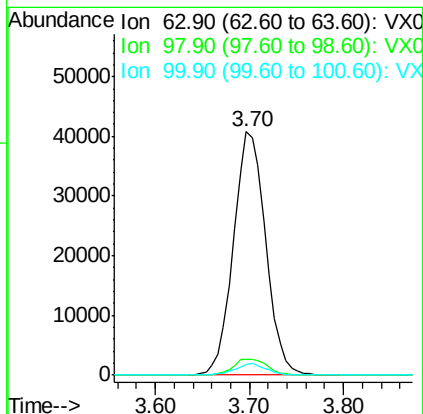
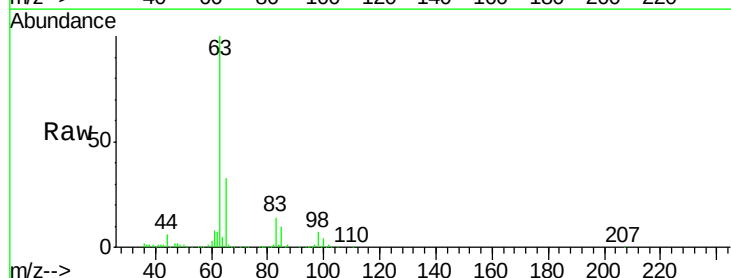
Tgt Ion: 63 Resp: 97478

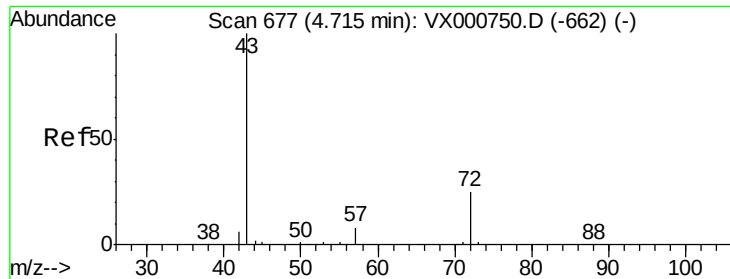
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 115.43 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Tot Ion: 43 Resp: 226617

Ion Ratio Lower Upper

43 100

72 25.4 20.3 30.5

Instrument :

MSVOA_X

ClientSampleId :

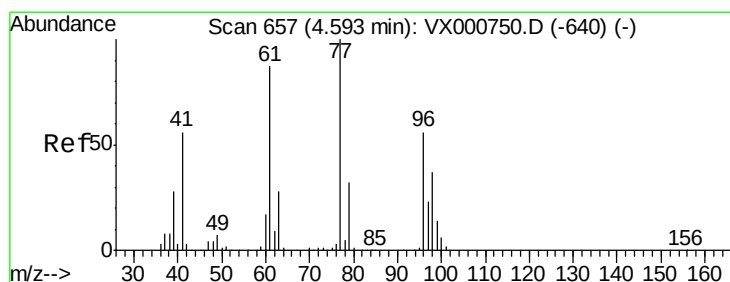
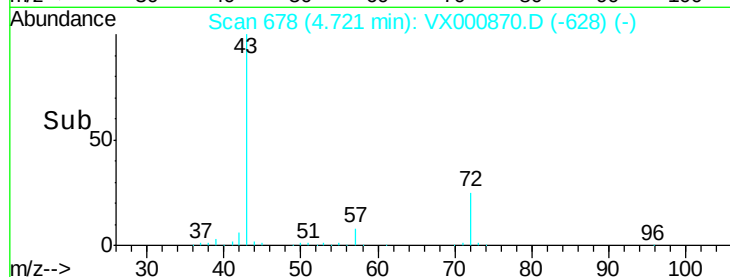
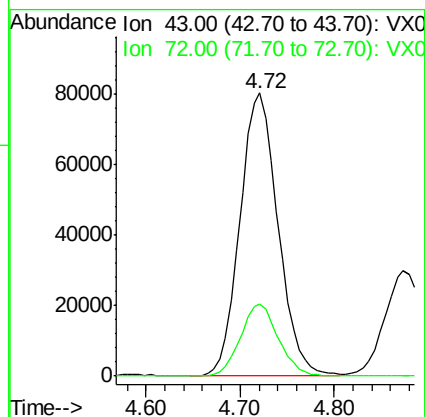
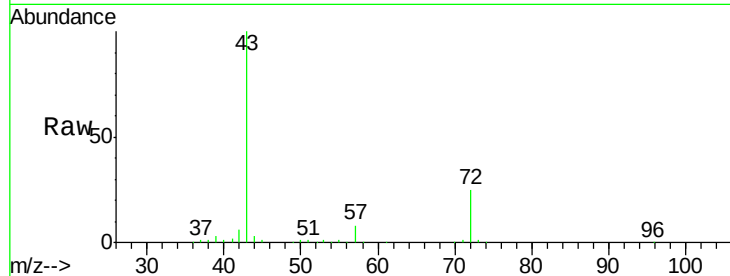
VX0414WBSD01

Manual Integrations

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MMDadoda

4/16/2018 12:51:34 PM



#26

2,2-Dichloropropane

Concen: 18.25 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX000870.D

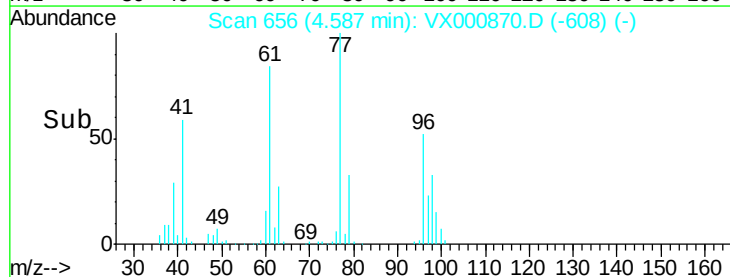
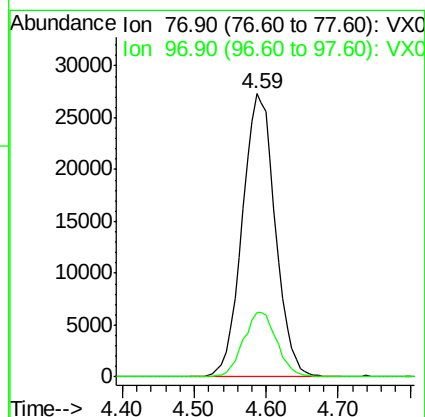
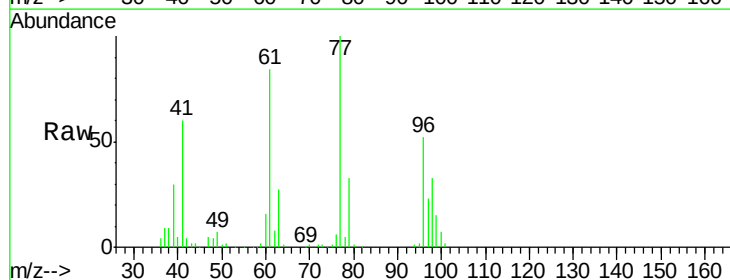
Acq: 14 Apr 2018 13:09

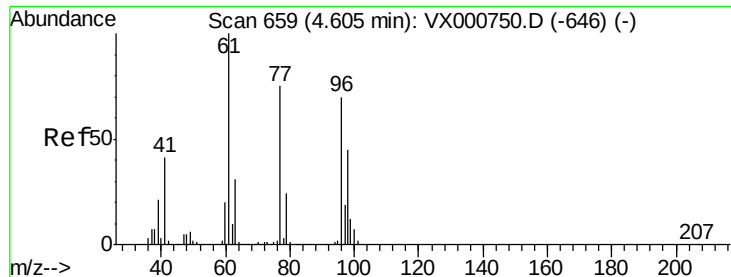
Tgt Ion: 77 Resp: 86673

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 20.33 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

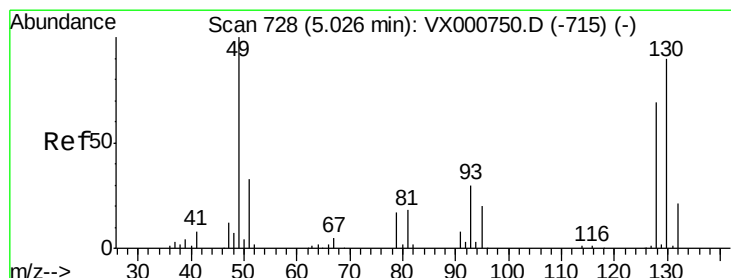
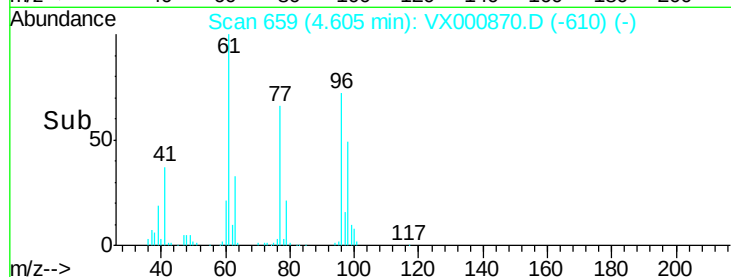
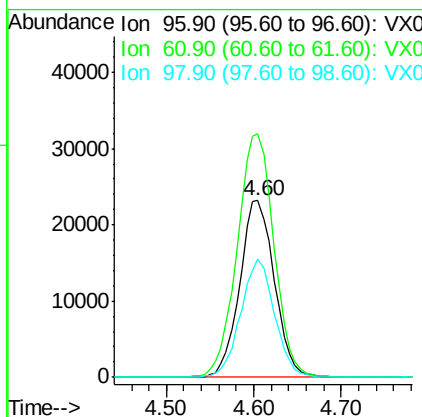
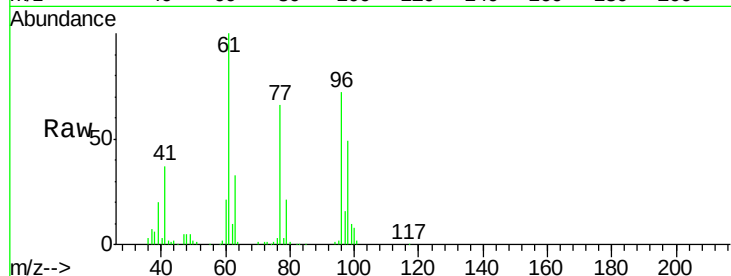
ClientSampleId :

VX0414WBSD01

Tot Ion:	96	Resp:	63850
Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	292.4
98	65.5	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 20.80 ug/l

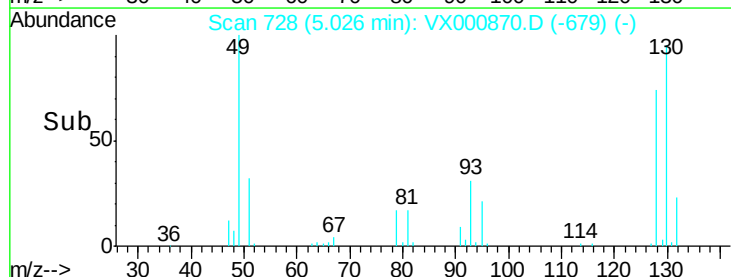
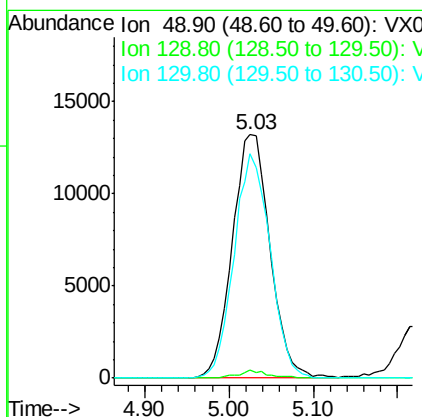
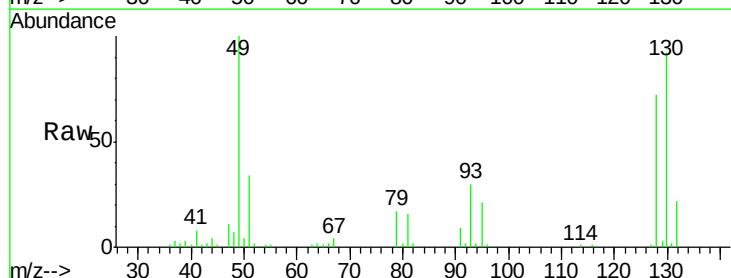
RT: 5.03 min Scan# 728

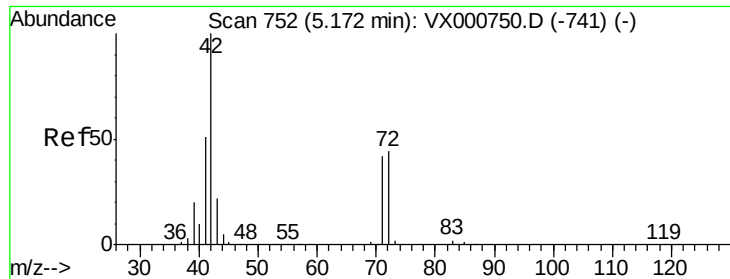
Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Tgt Ion:	49	Resp:	40076
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.2
130	88.1	72.6	109.0





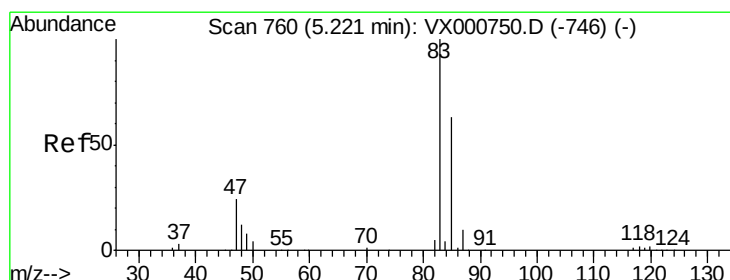
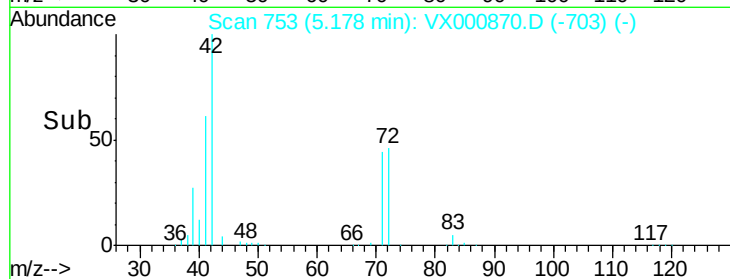
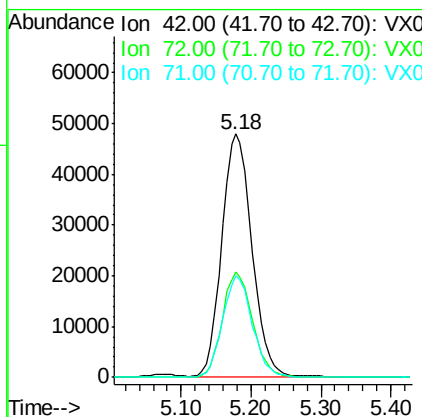
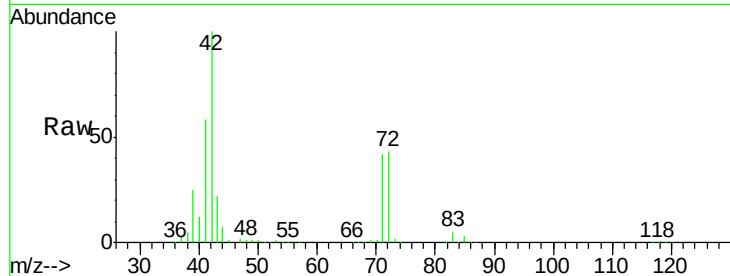
#29
Tetrahydrofuran
Concen: 114.89 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	35.1	52.7
71	41.2	32.8	49.2

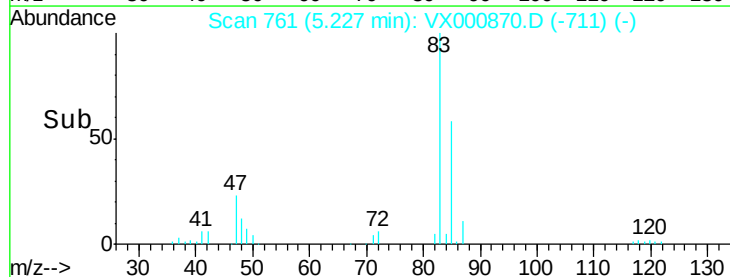
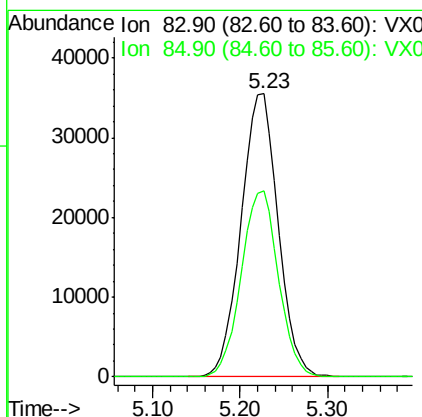
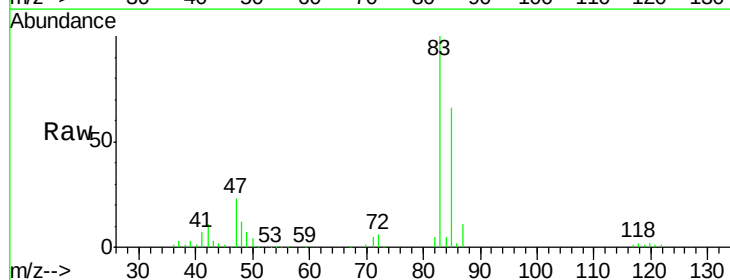
Manual Integrations
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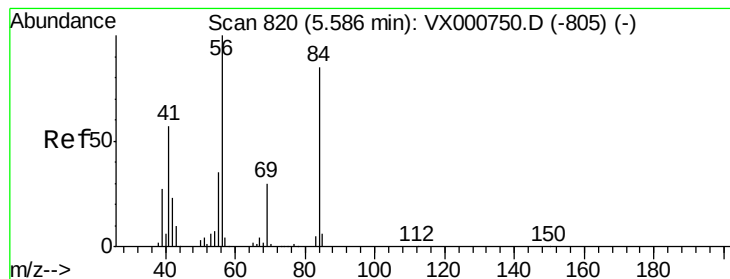
MMDadoda
4/16/2018 12:51:34 PM



#30
Chloroform
Concen: 20.66 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.7	76.1





#31

Cyclohexane

Concen: 19.25 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBSD01

Tot Ion: 56 Resp: 87489

Ion Ratio Lower Upper

56 100

69 31.3 24.2 36.4

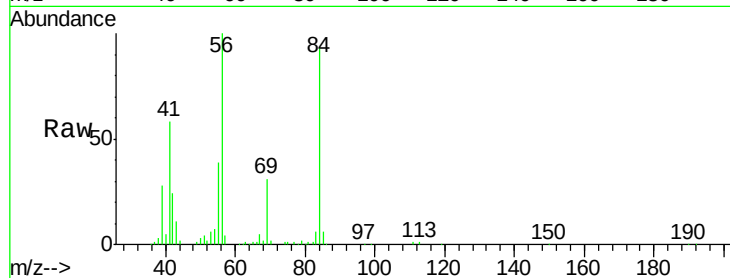
84 91.3 67.6 101.4

Manual Integrations

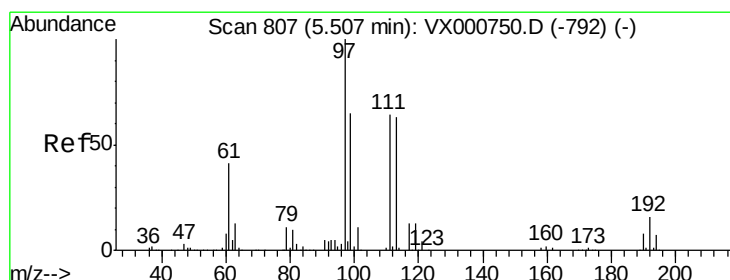
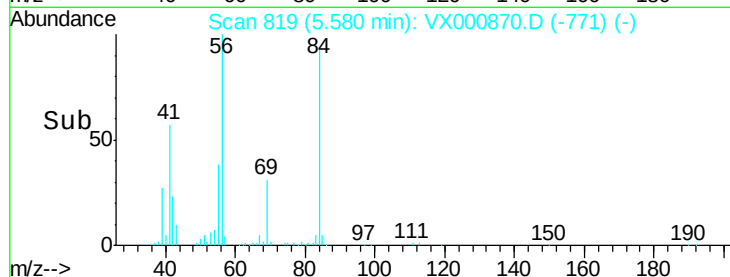
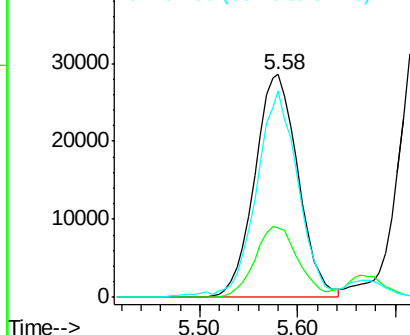
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.74 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

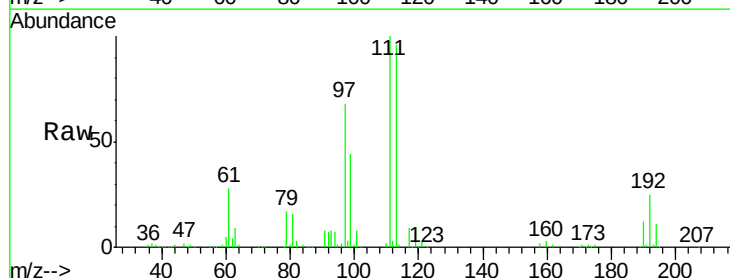
Tgt Ion: 97 Resp: 95251

Ion Ratio Lower Upper

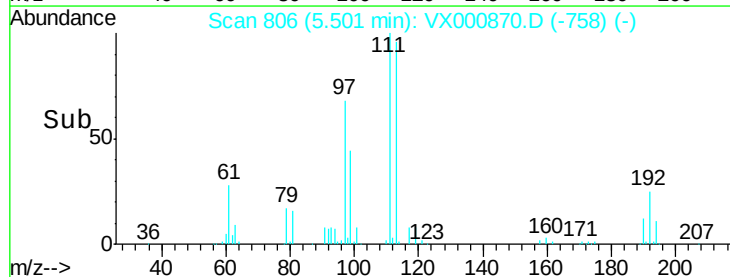
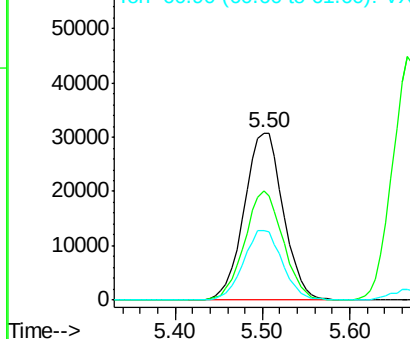
97 100

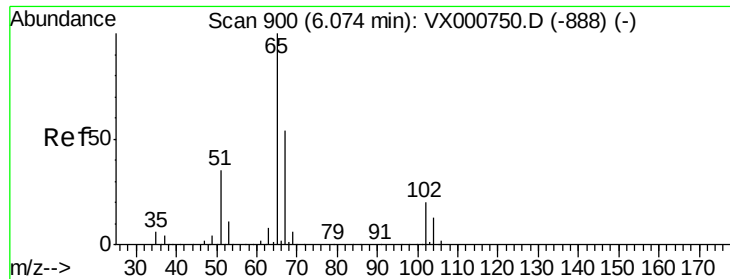
99 64.2 51.4 77.0

61 41.6 33.7 50.5



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





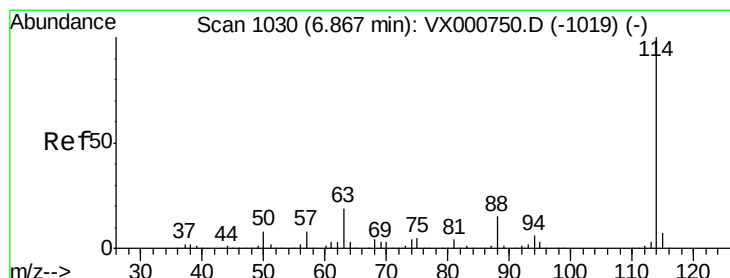
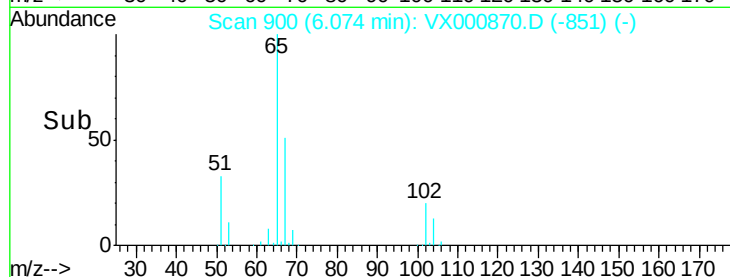
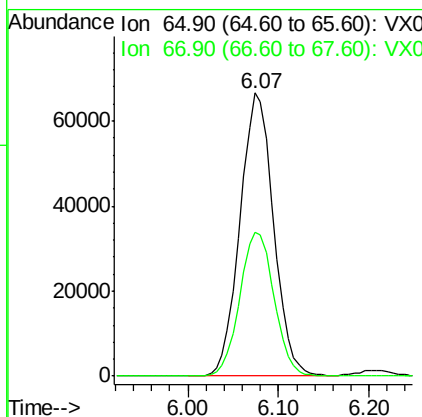
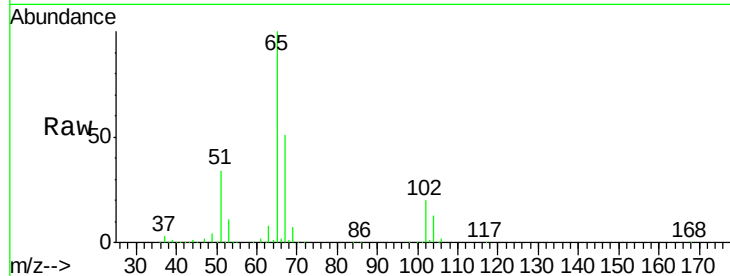
#33
 1,2-Dichloroethane-d4
 Concen: 49.51 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.8

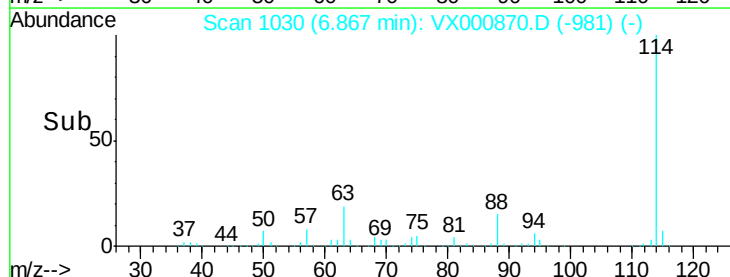
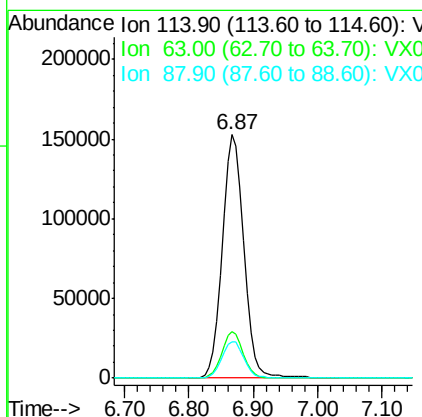
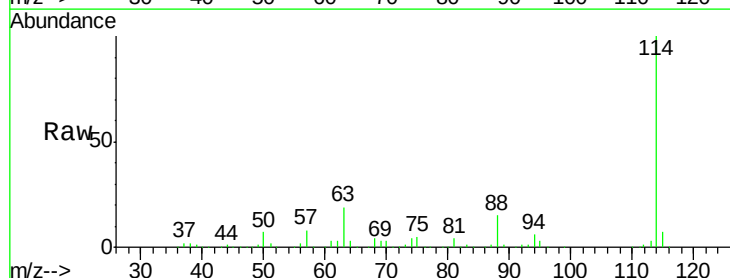
Manual Integrations
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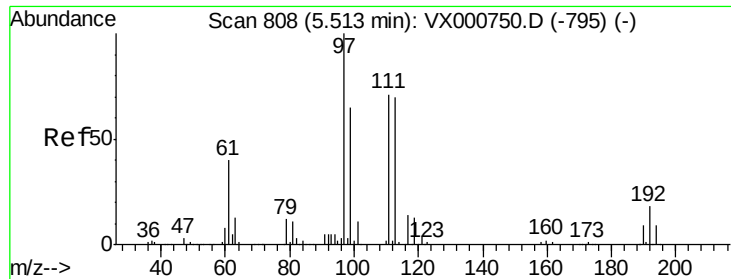
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.4
88	14.9	0.0	31.0





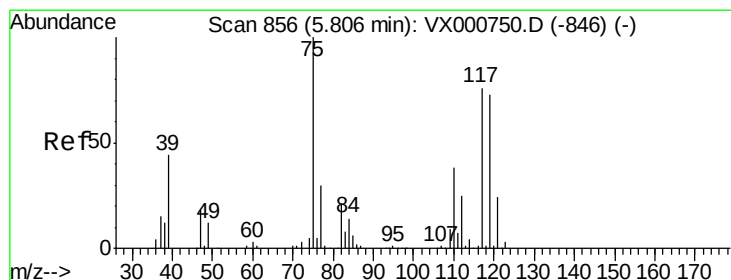
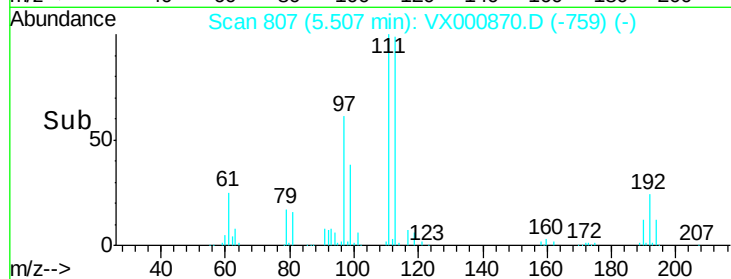
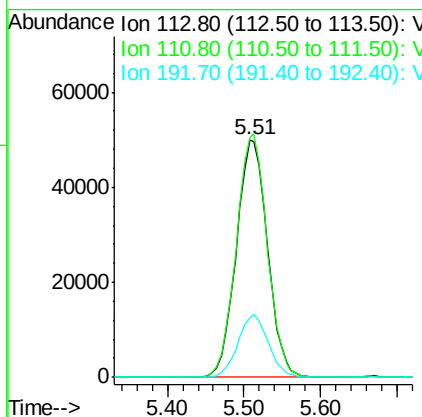
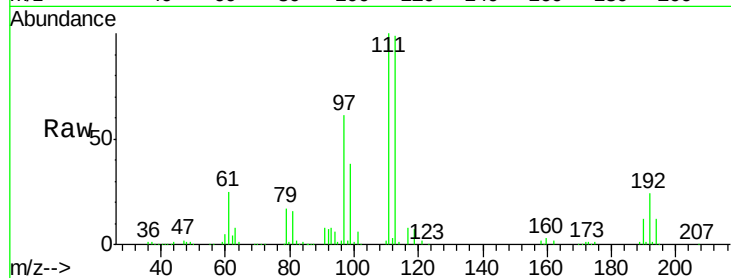
#35
 Dibromofluoromethane
 Concen: 50.46 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141099		
111	101.6	81.5	122.3	
192	25.8	20.4	30.6	

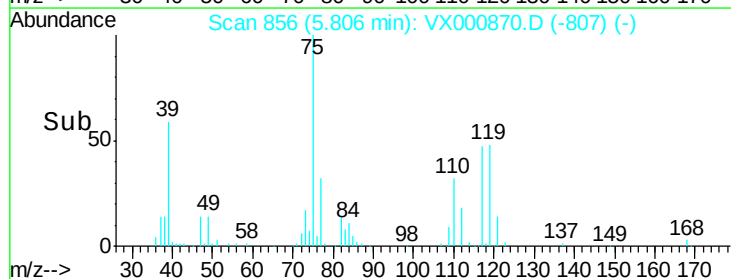
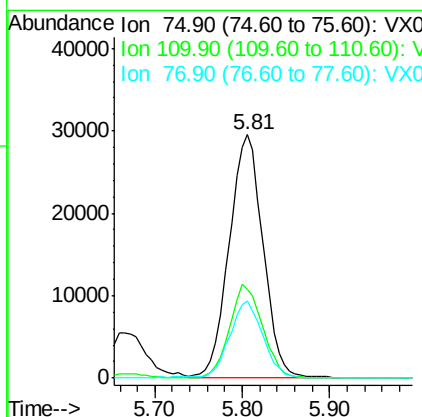
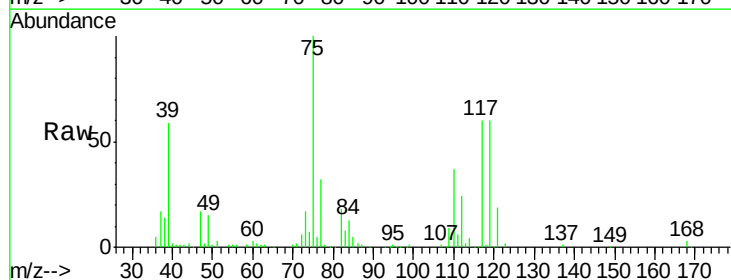
Manual Integrations
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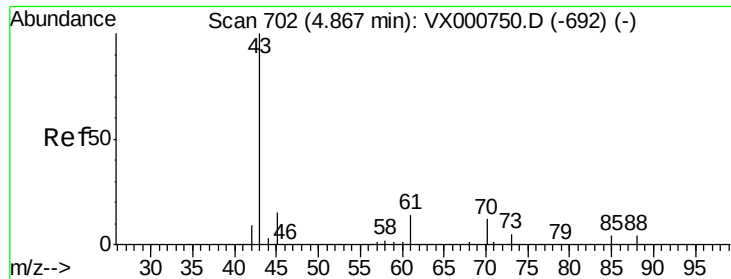
MMDadoda
 4/16/2018 12:51:34 PM



#36
 1,1-Dichloropropene
 Concen: 19.75 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78953		
110	37.8	19.2	57.6	
77	31.2	25.4	38.2	





#37

Ethyl Acetate

Concen: 22.70 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

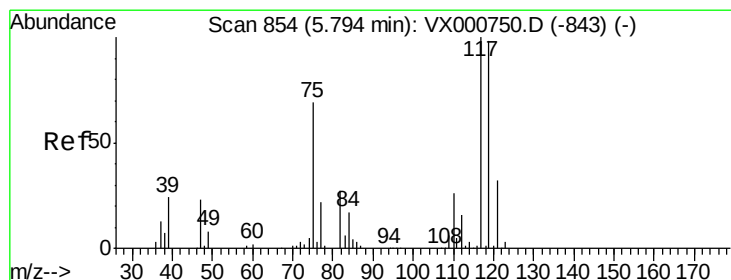
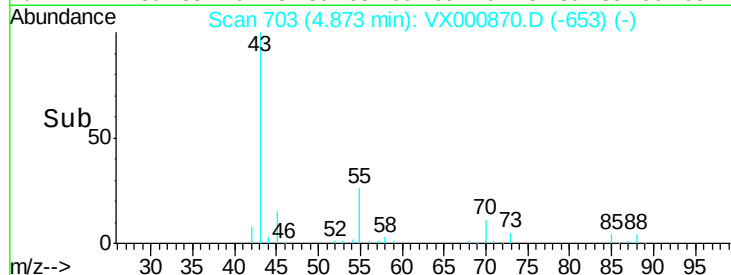
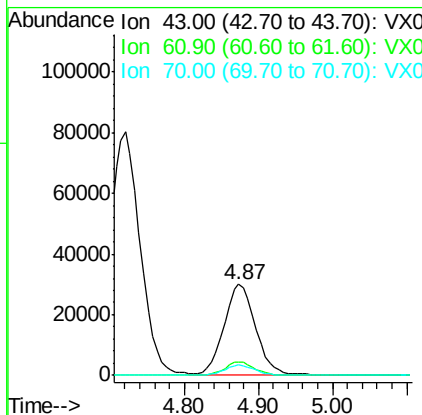
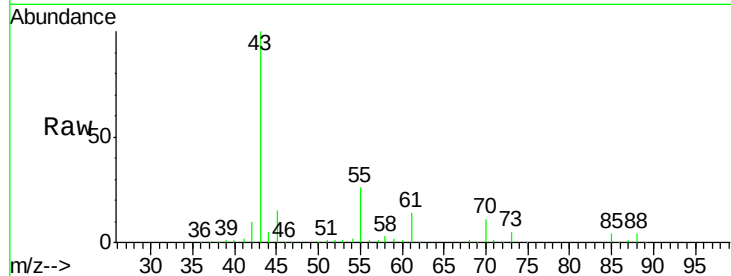
ClientSampleId :

VX0414WBSD01

Tot Ion:	43	Resp:	88576
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	11.1	8.7	13.1

Manual Integrations
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4/16/2018 12:51:34 PM



#38

Carbon Tetrachloride

Concen: 18.74 ug/l

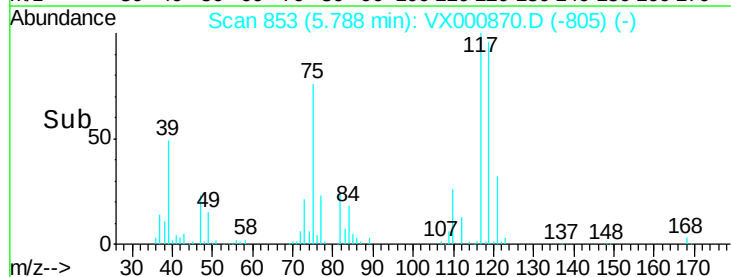
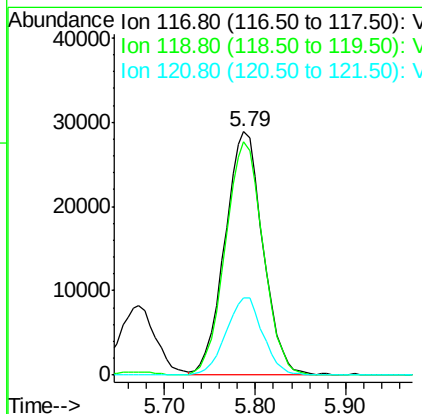
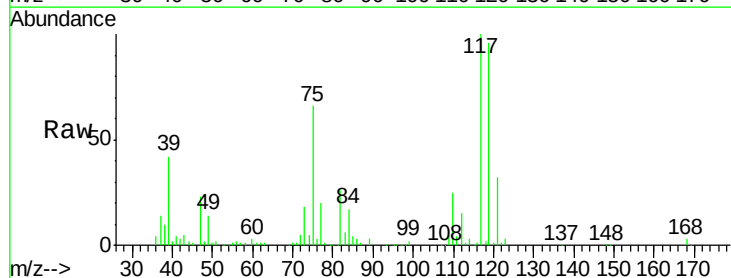
RT: 5.79 min Scan# 853

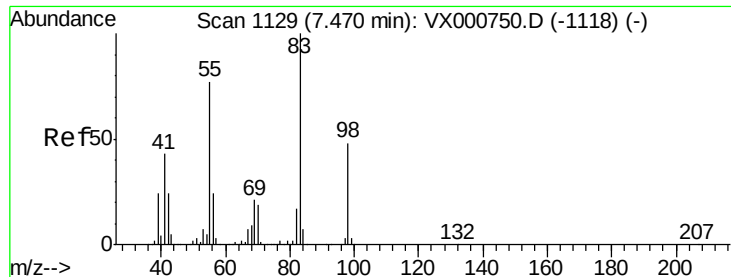
Delta R.T. -0.01 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Tgt Ion:	117	Resp:	83847
Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.4	117.6
121	31.7	25.4	38.0





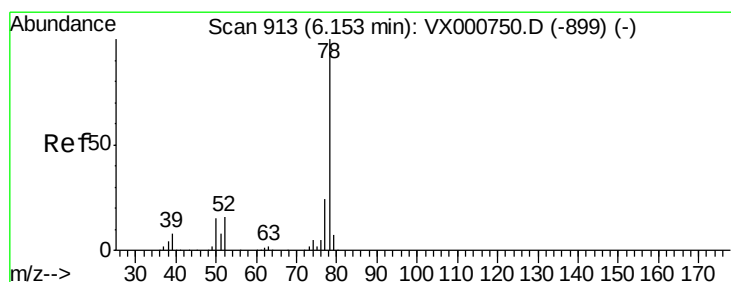
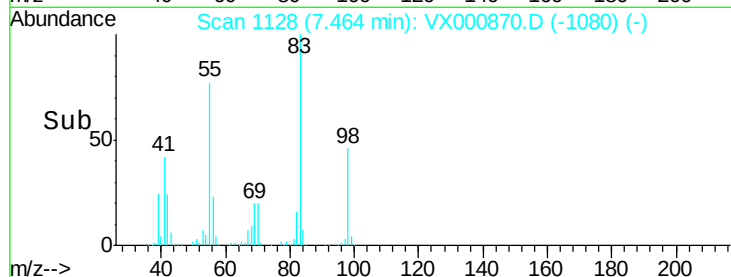
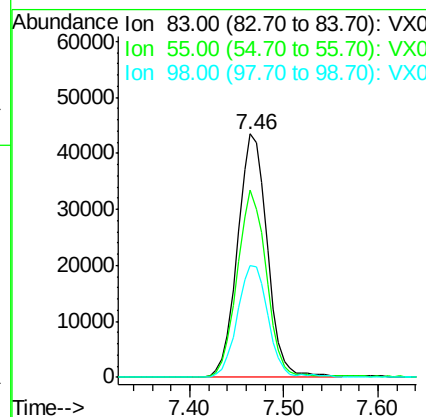
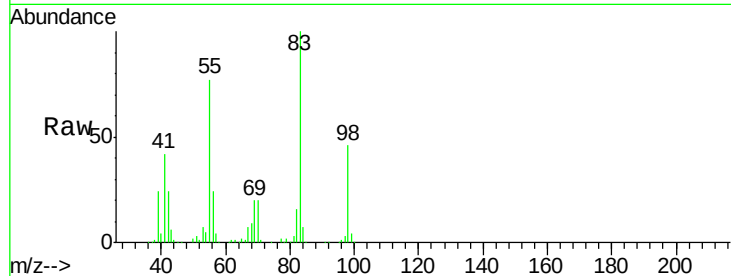
#39
Methylvlcyclohexane
Concen: 19.91 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	61.5	92.3
98	46.1	38.1	57.1

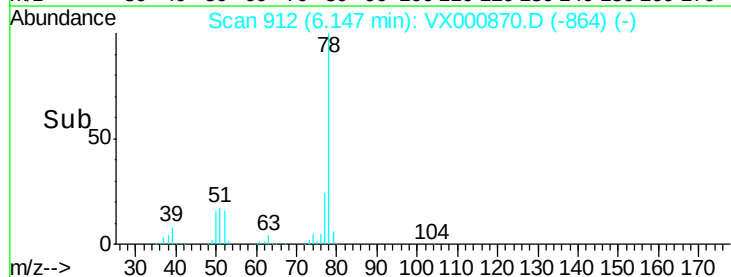
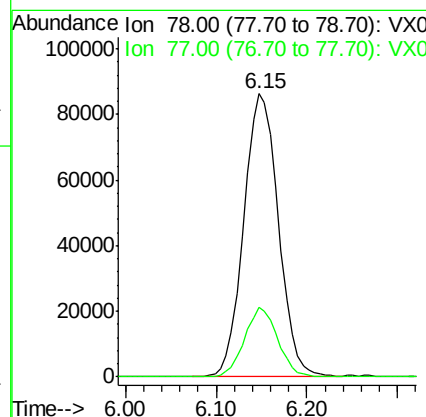
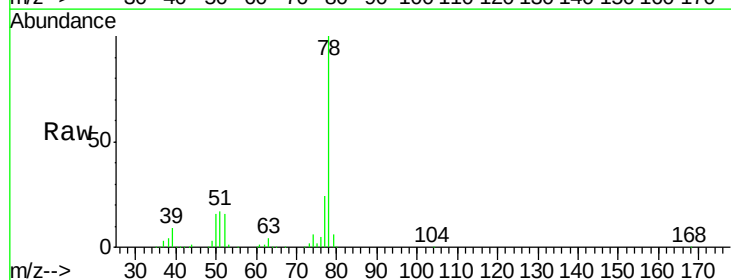
Manual Integrations
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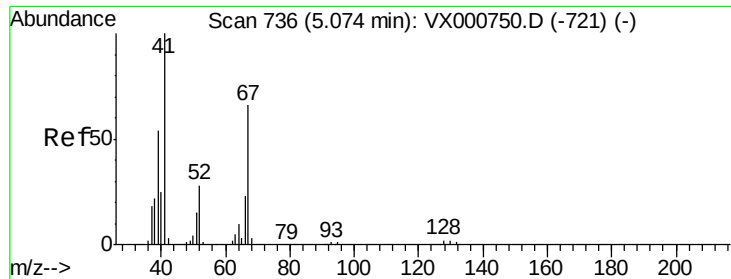
MMDadoda
4/16/2018 12:51:34 PM



#40
Benzene
Concen: 20.57 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





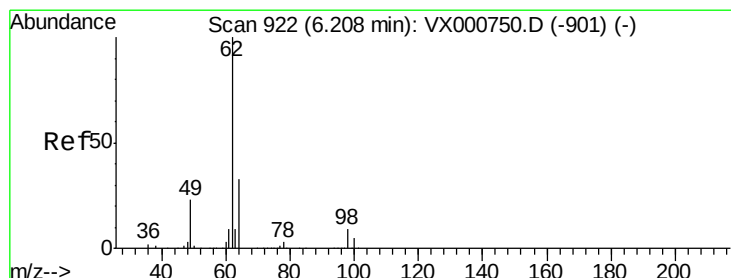
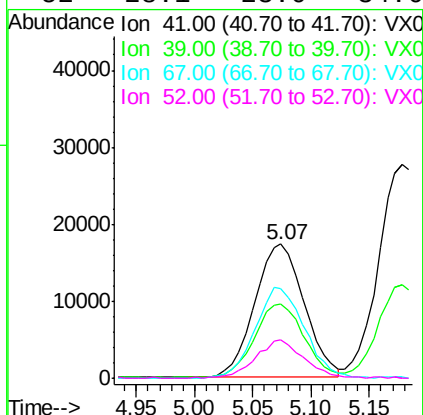
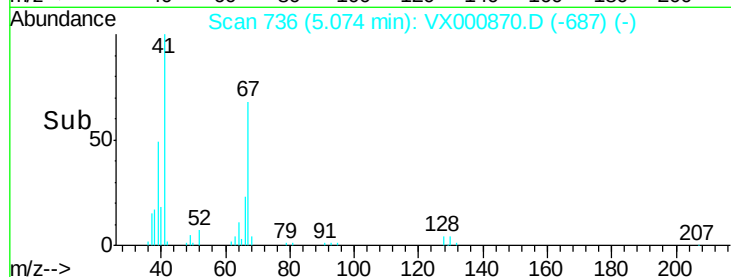
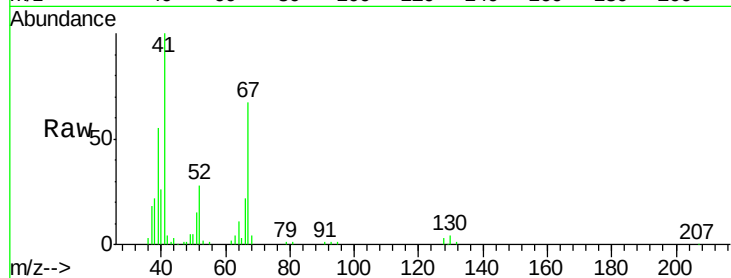
#41
Methacrylonitrile
Concen: 22.72 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	44.9	67.3	
67	67.6	54.7	82.1	
52	28.1	23.0	34.6	

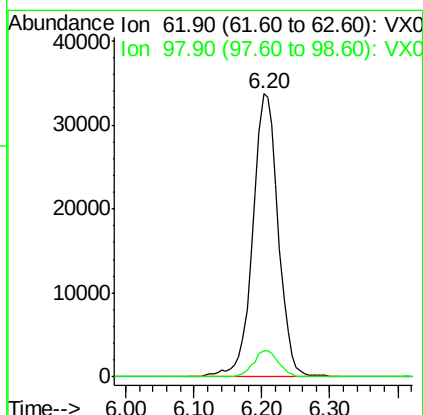
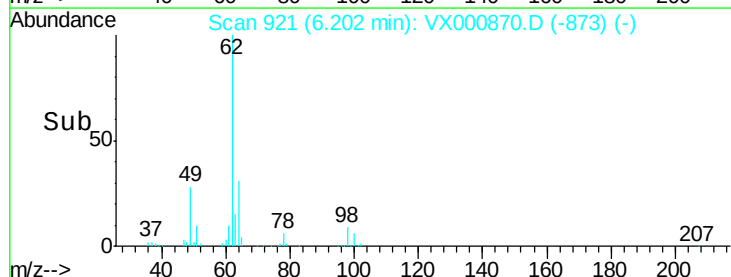
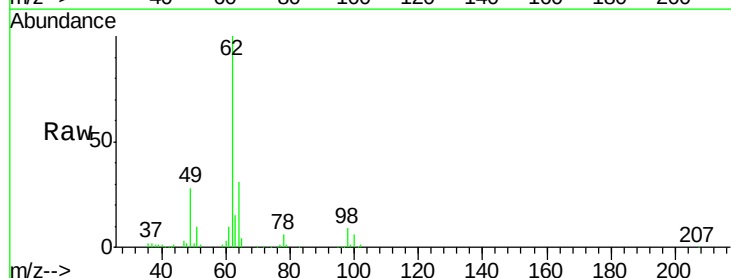
Manual Integrations
APPROVED

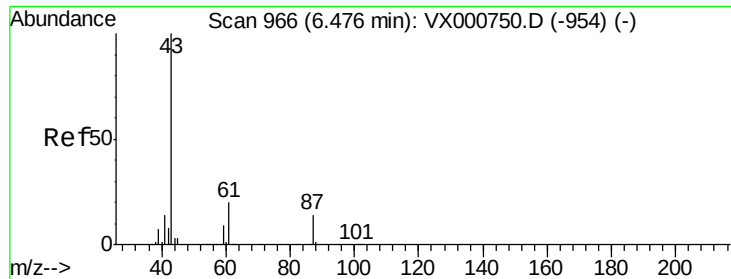
MMDadoda
4/16/2018 12:51:34 PM



#42
1,2-Dichloroethane
Concen: 21.26 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.6	





#43

Isopropyl Acetate

Concen: 21.68 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

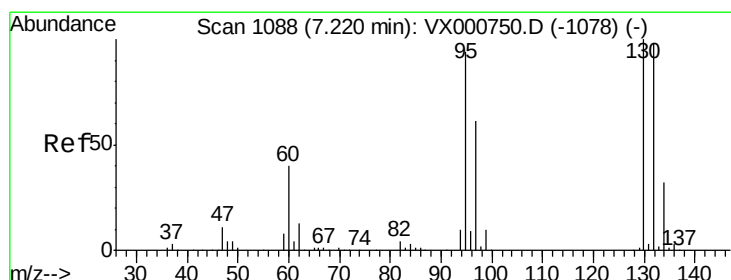
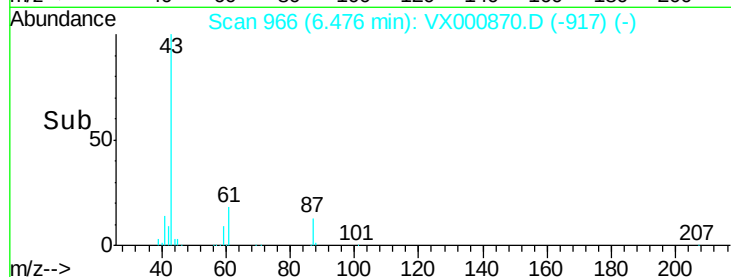
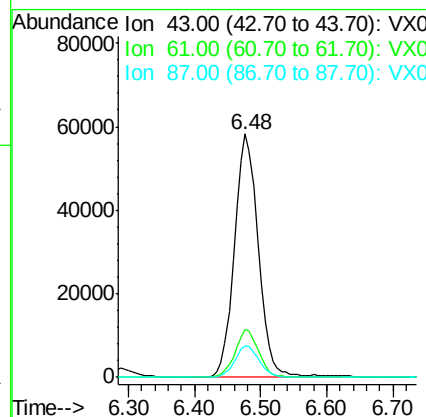
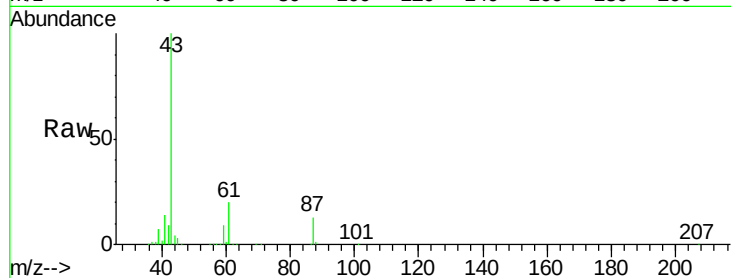
ClientSampleId :

VX0414WBSD01

Tot Ion:	43	Resp:	145048
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.6	23.4
87	13.2	10.7	16.1

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#44

Trichloroethene

Concen: 20.11 ug/l

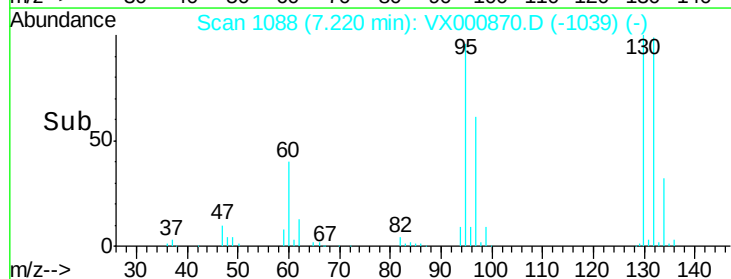
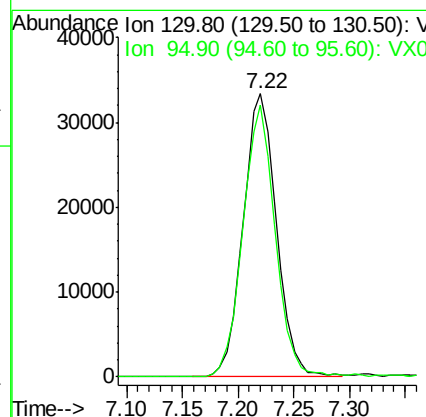
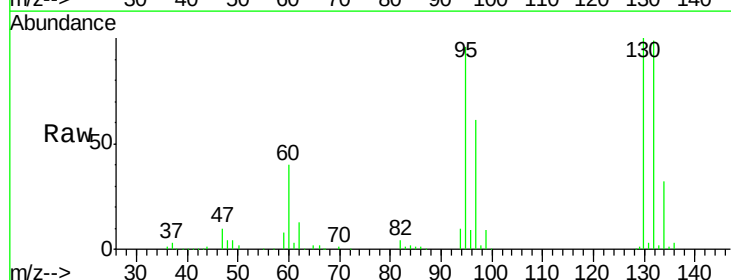
RT: 7.22 min Scan# 1088

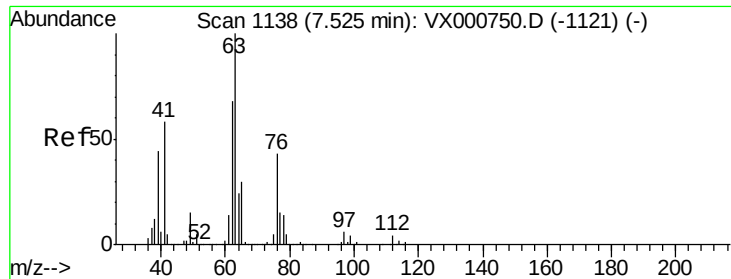
Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Tgt Ion:	130	Resp:	69466
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	187.0





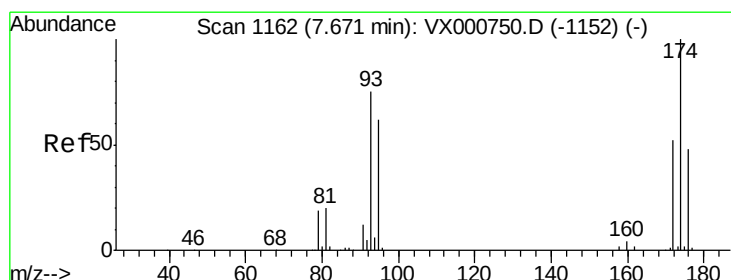
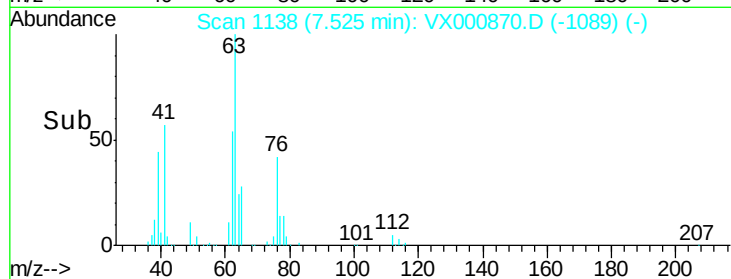
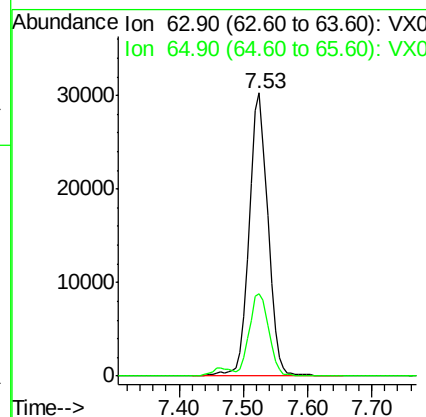
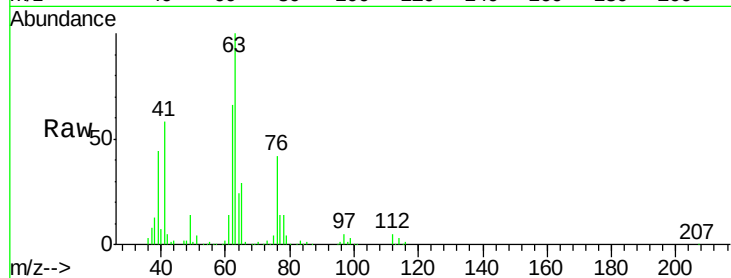
#45
 1,2-Dichloropropane
 Concen: 21.40 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion: 63 Resp: 60527
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.7 35.5

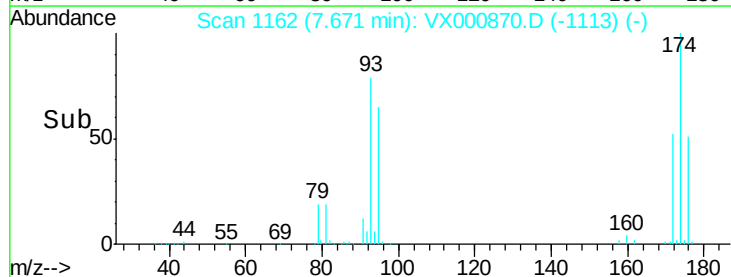
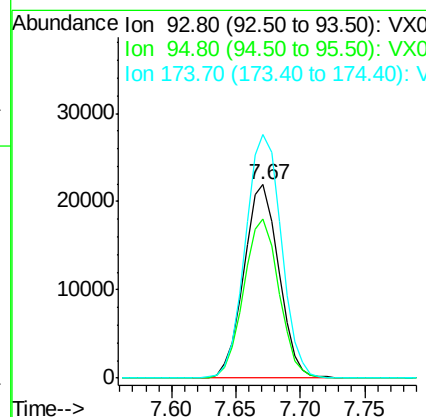
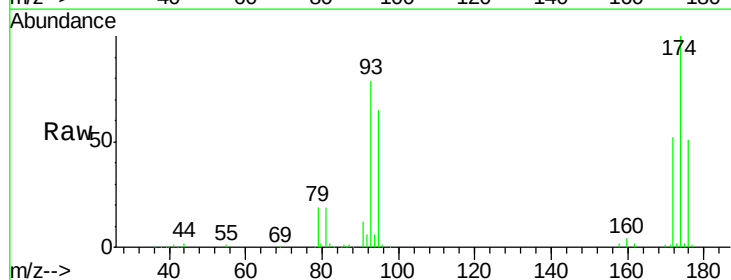
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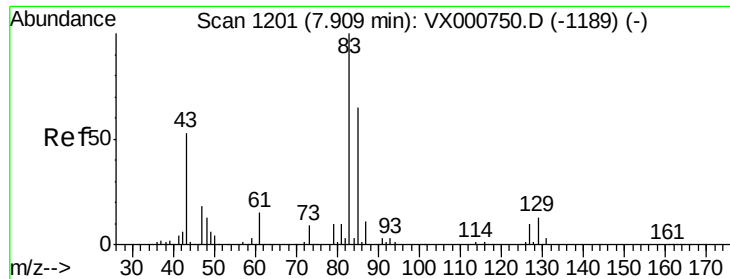
MMDadoda
 4/16/2018 12:51:34 PM



#46
 Dibromomethane
 Concen: 20.93 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion: 93 Resp: 41266
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.6 100.0
 174 129.5 104.5 156.7





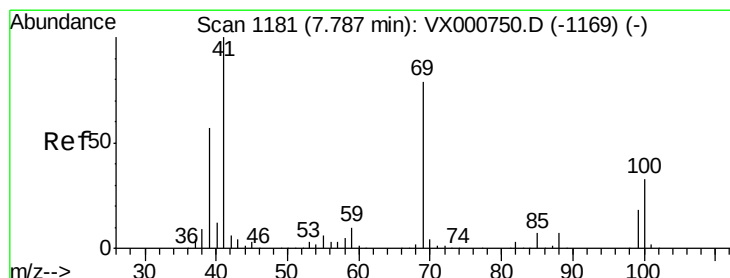
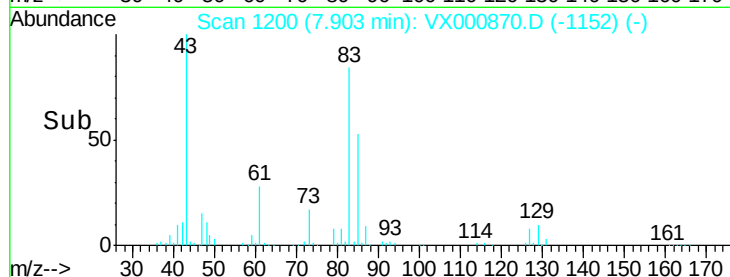
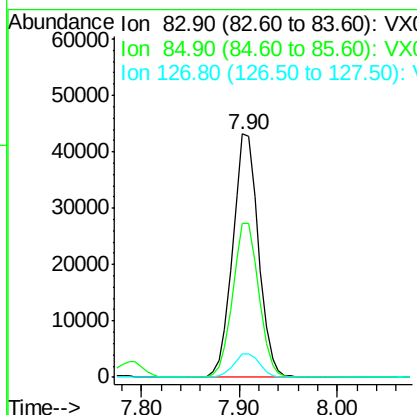
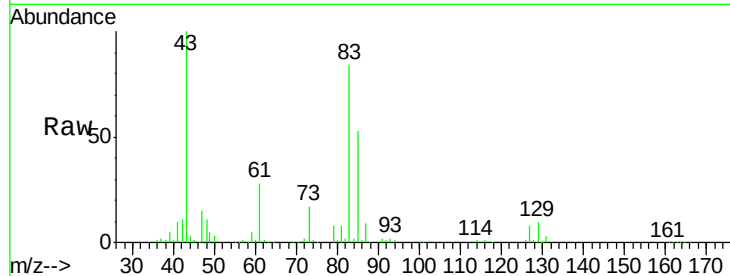
#47
Bromodichloromethane
Concen: 19.79 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion	83	Resp	78750
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	52.2	78.4
127	9.6	7.8	11.8

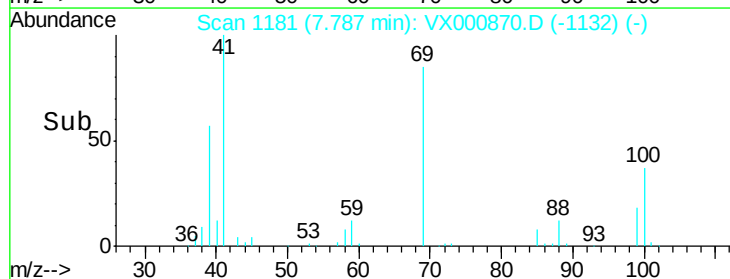
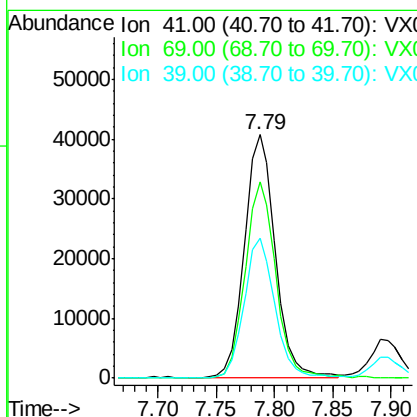
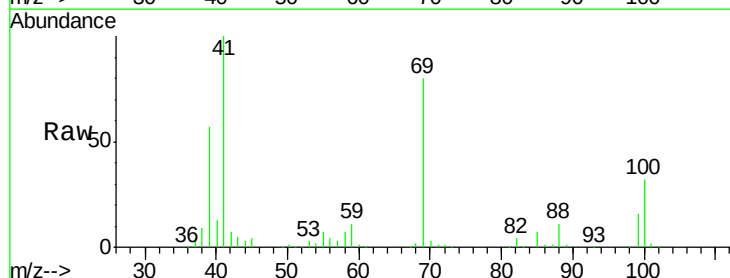
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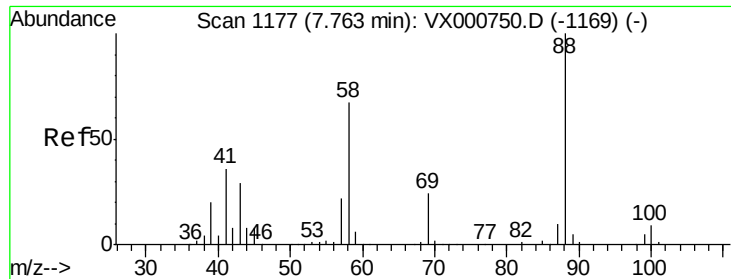
MMDadoda
4/16/2018 12:51:34 PM



#48
Methyl methacrylate
Concen: 21.61 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	41	Resp	74948
Ion Ratio	100	Lower	Upper
41	100		
69	80.8	63.9	95.9
39	56.9	45.9	68.9





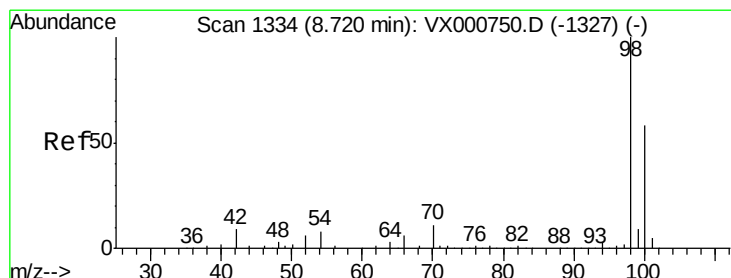
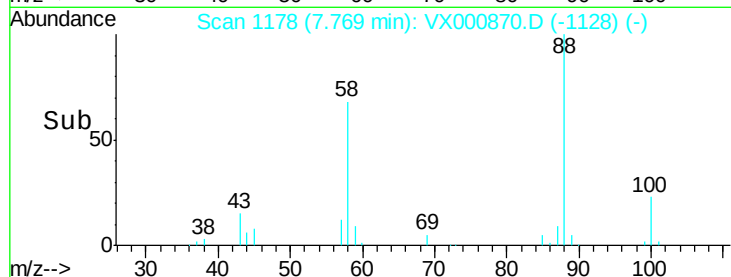
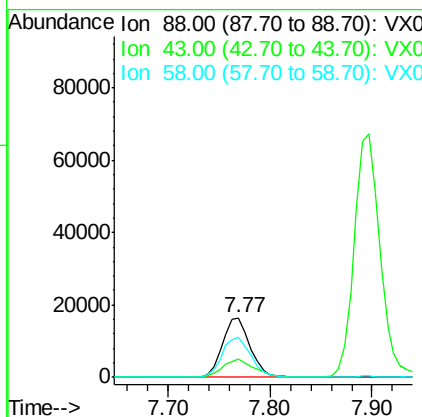
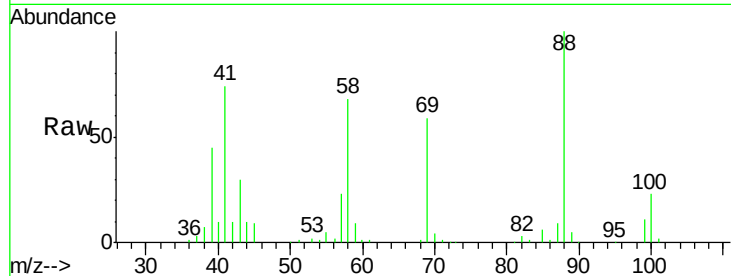
#49
1,4-Dioxane
Concen: 446.84 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.8	38.8
58	70.4	54.4	81.6

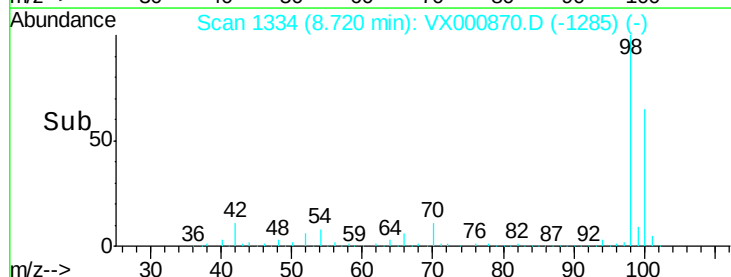
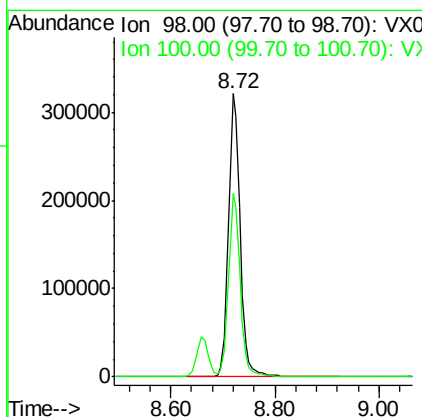
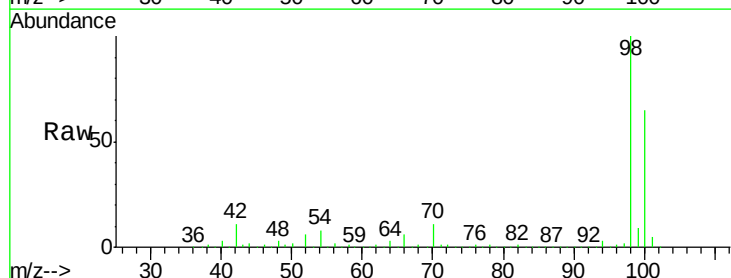
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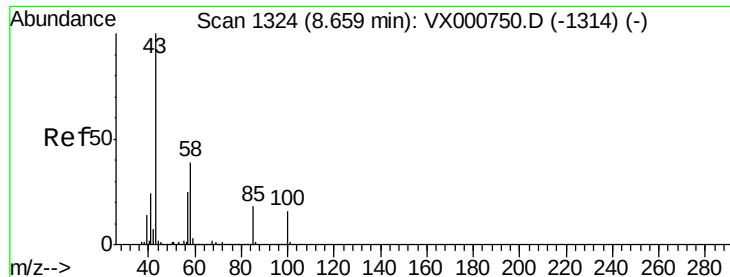
MMDadoda
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#50
Toluene-d8
Concen: 49.90 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 115.93 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBSD01

Tot Ion: 43 Resp: 455568

Ion Ratio Lower Upper

43 100

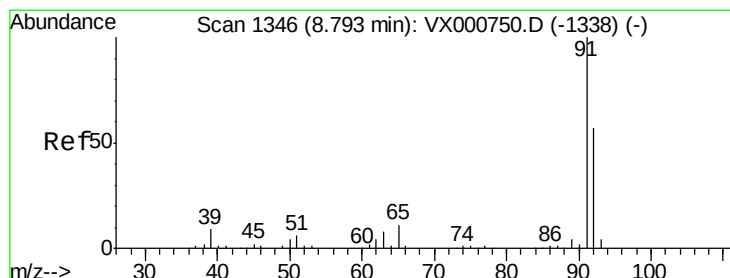
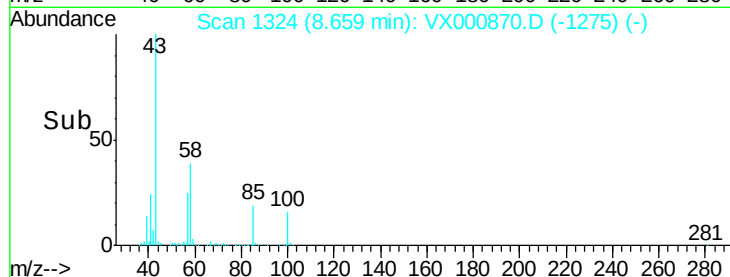
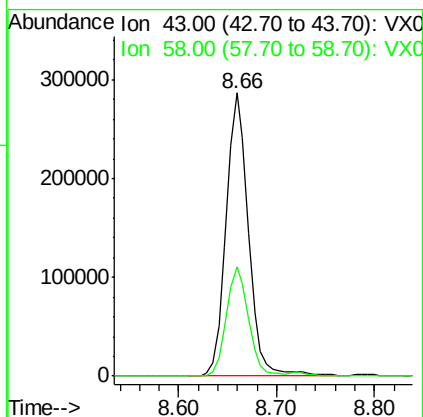
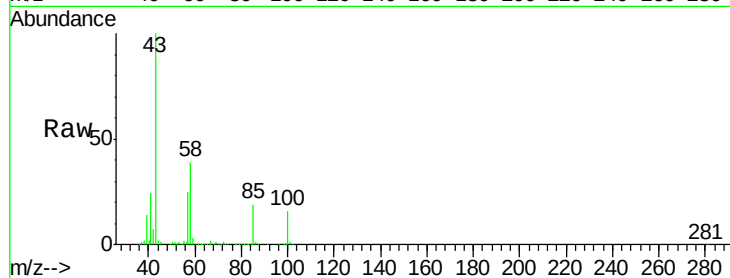
58 38.0 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 20.32 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000870.D

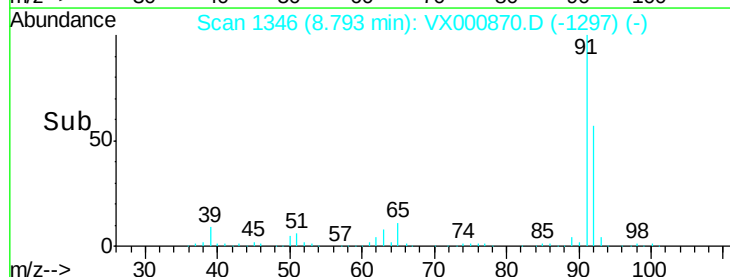
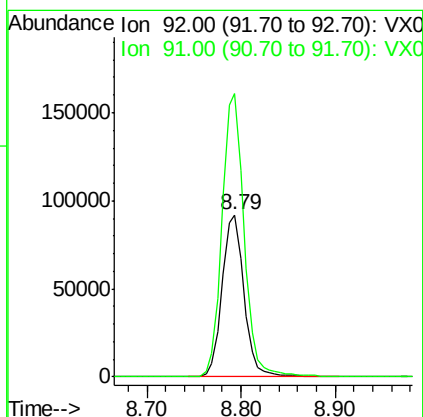
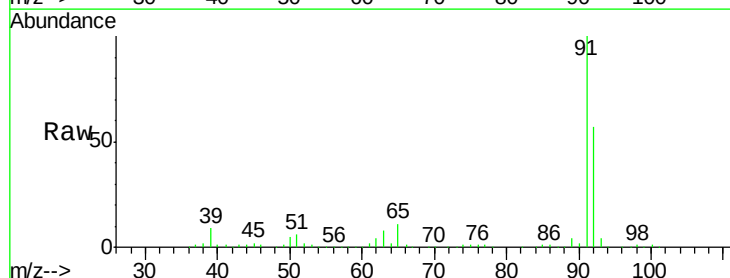
Acq: 14 Apr 2018 13:09

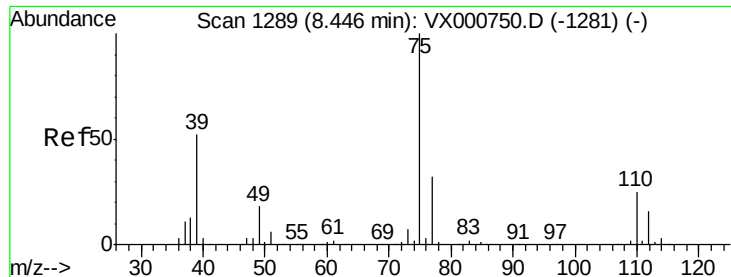
Tgt Ion: 92 Resp: 149688

Ion Ratio Lower Upper

92 100

91 175.4 139.0 208.4





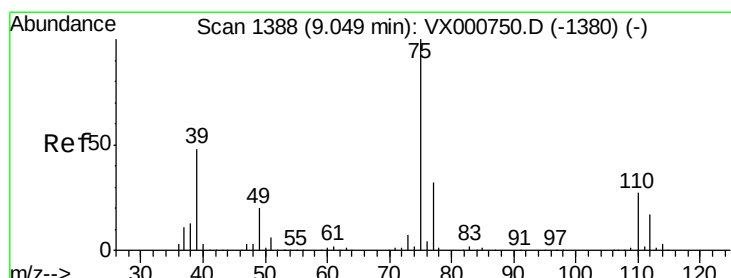
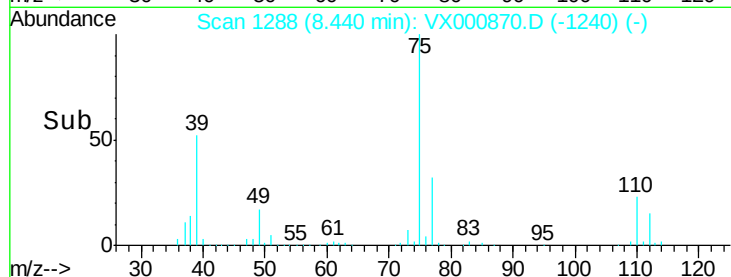
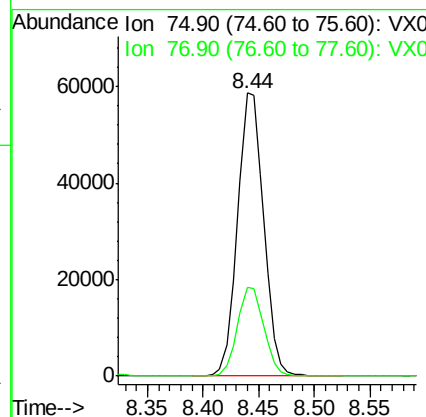
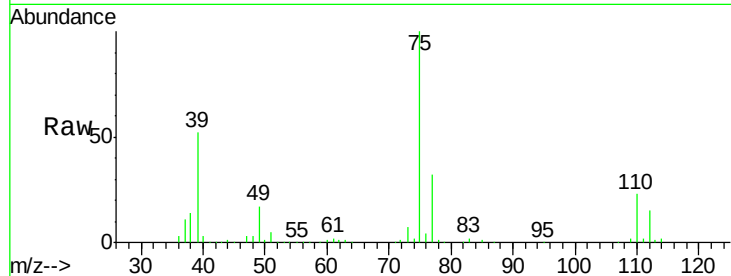
#53
 t-1,3-Dichloropropene
 Concen: 20.01 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion: 75 Resp: 95492
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2

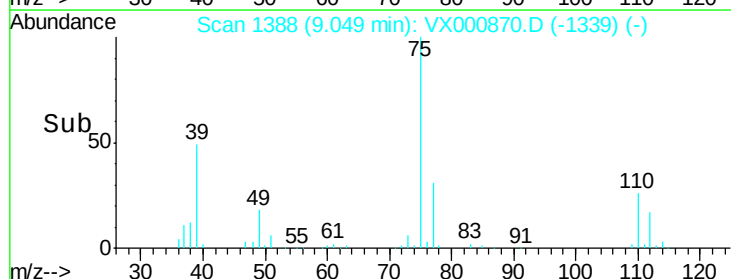
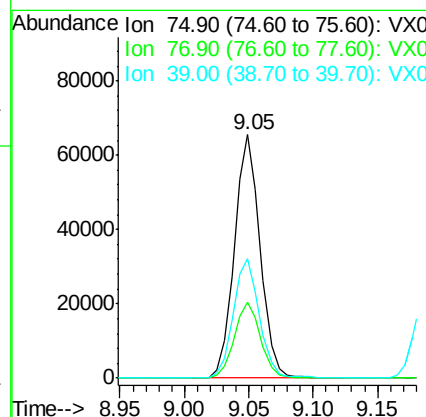
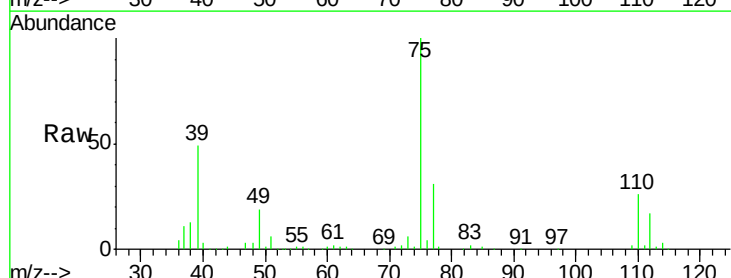
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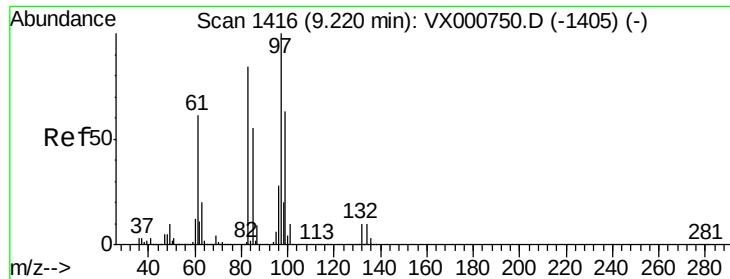
MMDadoda
 4/16/2018 12:51:34 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.59 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion: 75 Resp: 91058
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.2
 39 48.9 38.6 58.0





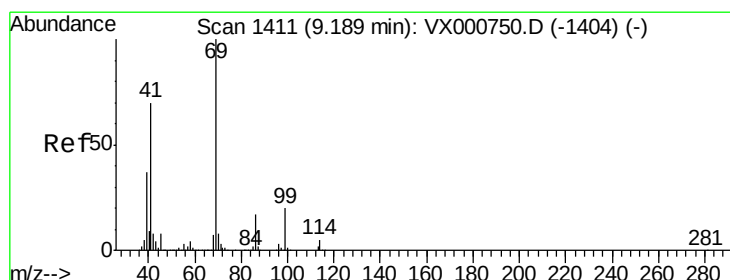
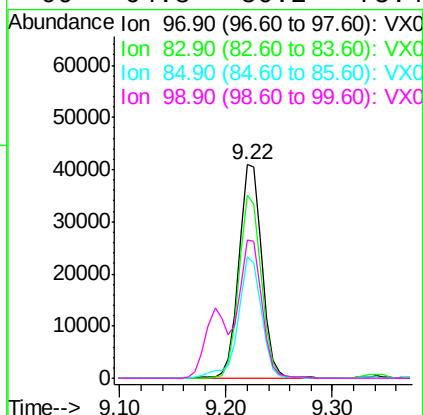
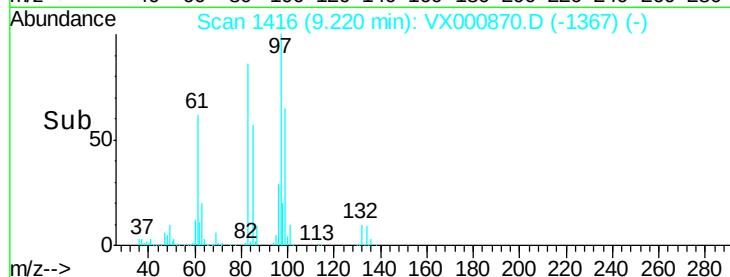
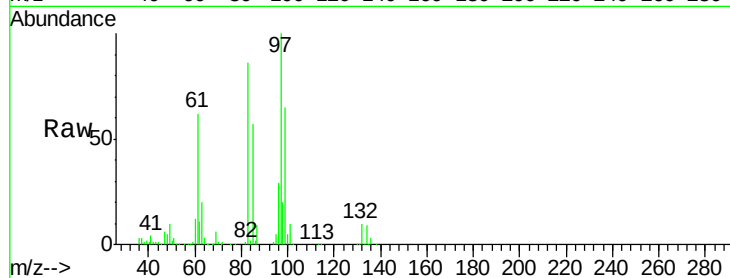
#55
 1,1,2-Trichloroethane
 Concen: 21.35 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion:	97	Resp:	62461
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.6	101.4
85	56.8	43.8	65.6
99	64.8	50.2	75.4

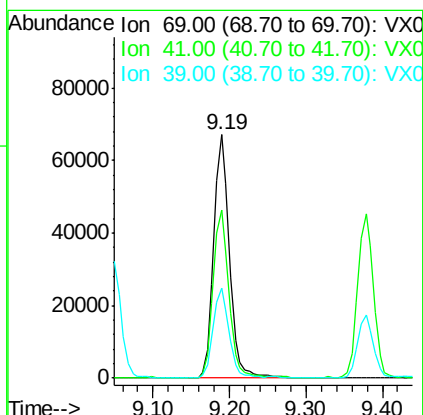
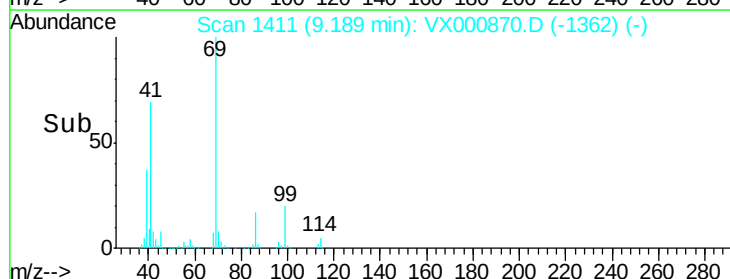
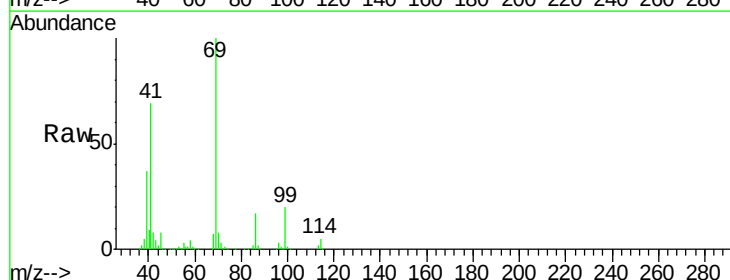
Manual Integrations
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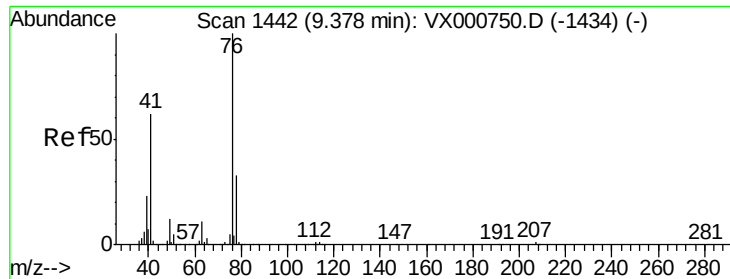
MMDadoda
 4/16/2018 12:51:34 PM



#56
 Ethyl methacrylate
 Concen: 21.44 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion:	69	Resp:	96745
Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.6	83.4
39	36.9	30.3	45.5





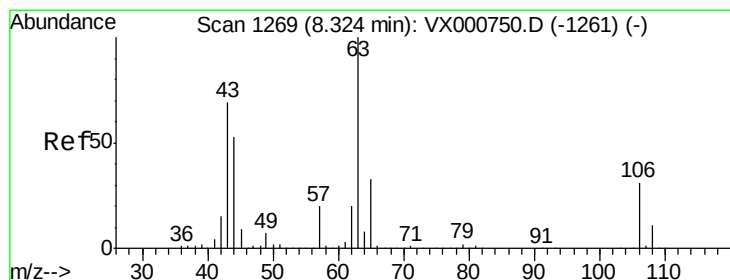
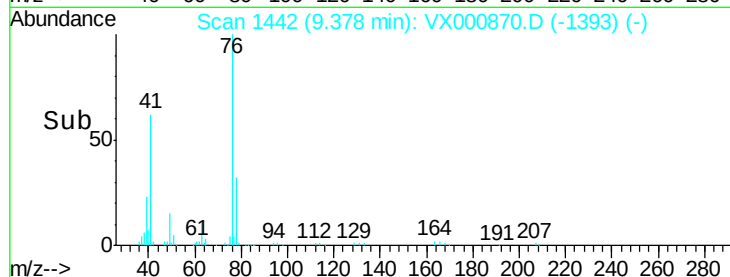
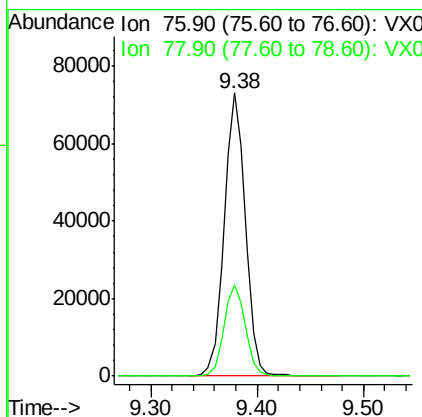
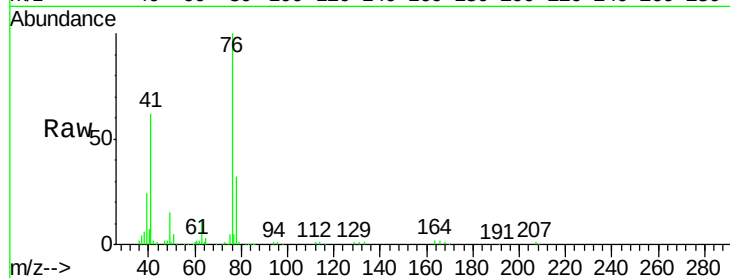
#57
 1,3-Dichloropropane
 Concen: 21.84 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

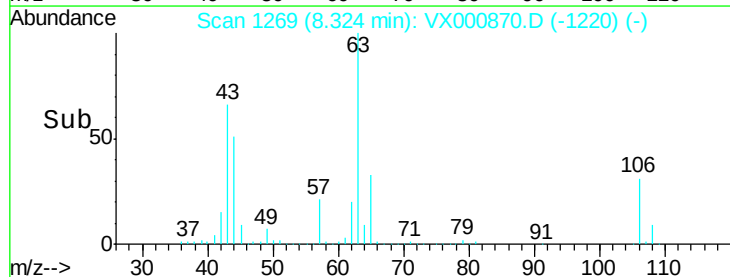
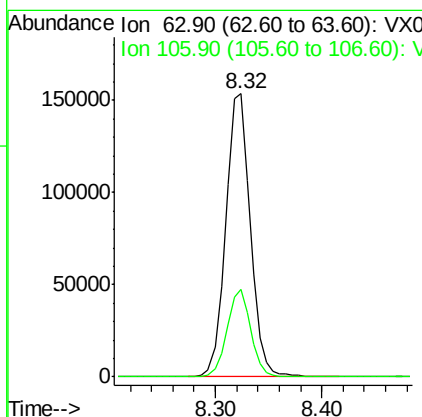
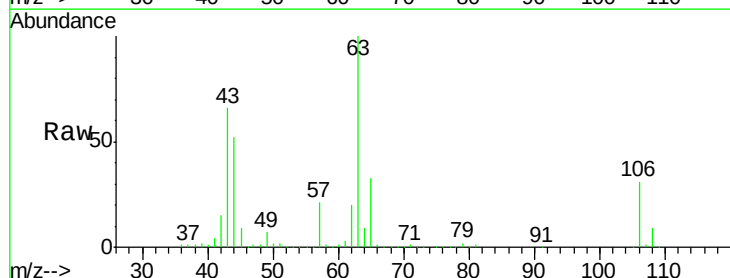
Manual Integrations
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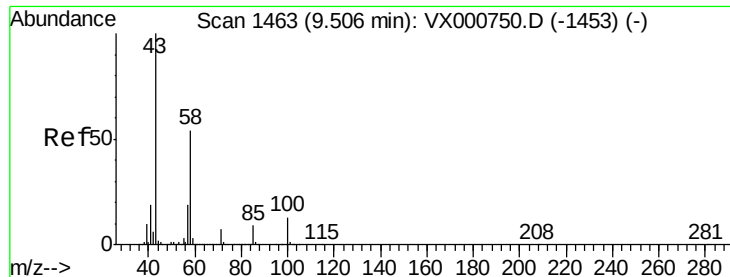
MMDadoda
 4/16/2018 12:51:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.36 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	24.3	36.5





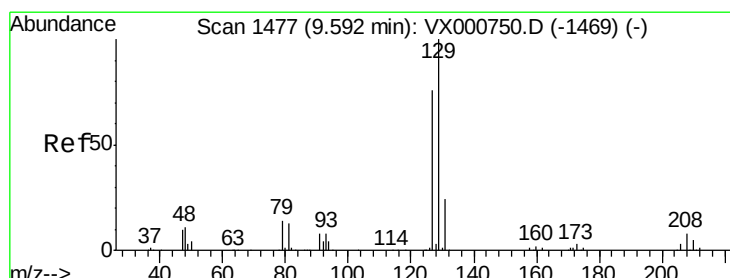
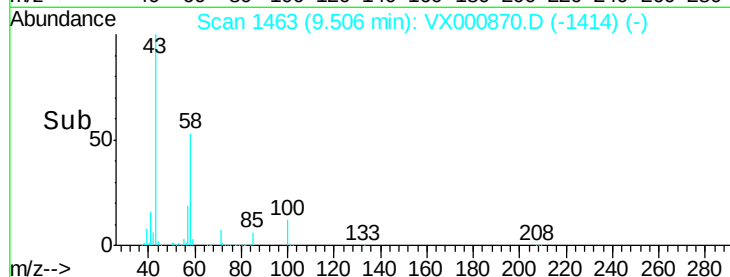
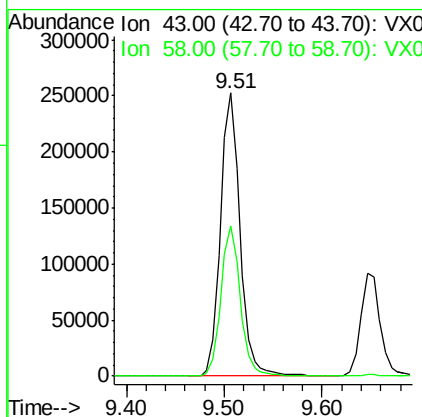
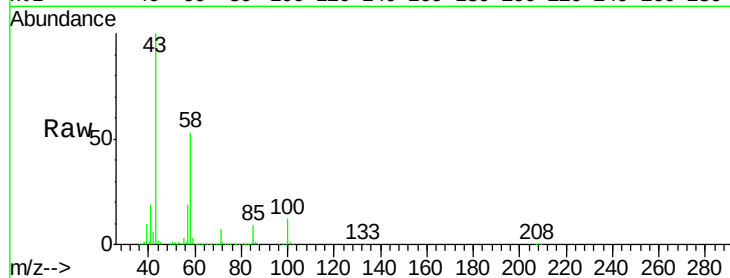
#59
2-Hexanone
Concen: 115.48 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.5	79.5

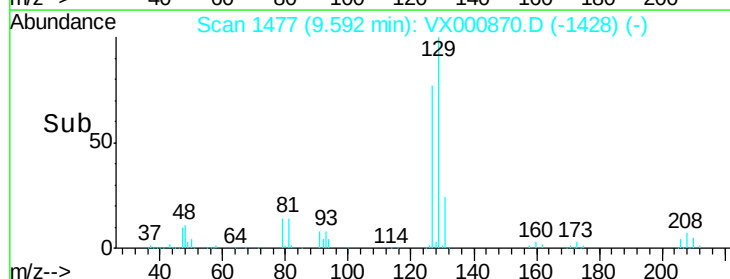
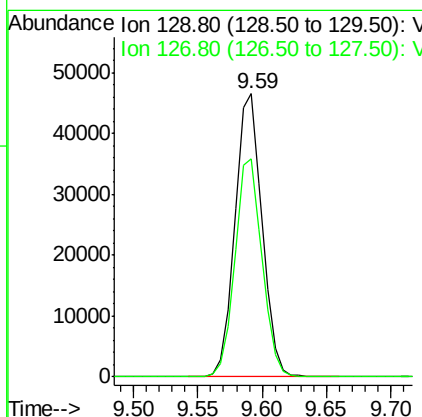
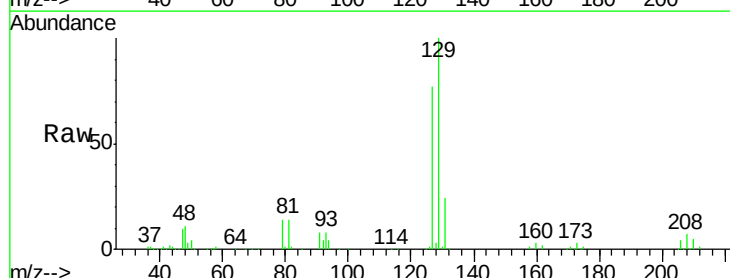
Manual Integrations
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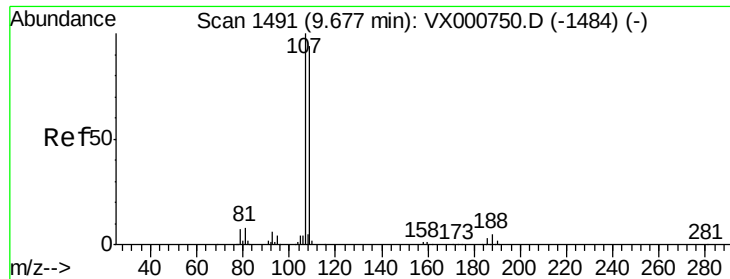
MMDadoda
4/16/2018 12:51:34 PM



#60
Dibromochloromethane
Concen: 19.38 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.1





#61

1,2-Dibromoethane

Concen: 21.44 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBSD01

Tot Ion: 107 Resp: 66524

Ion Ratio Lower Upper

107 100

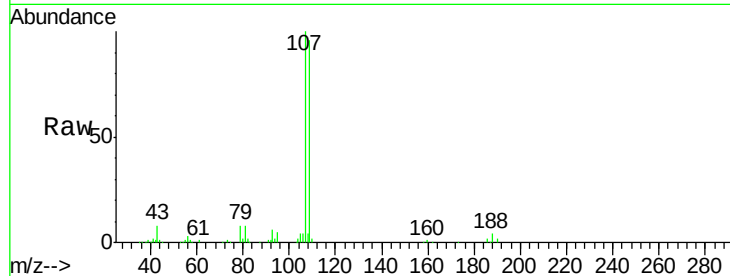
109 95.3 76.2 114.4

Manual Integrations

APPROVED

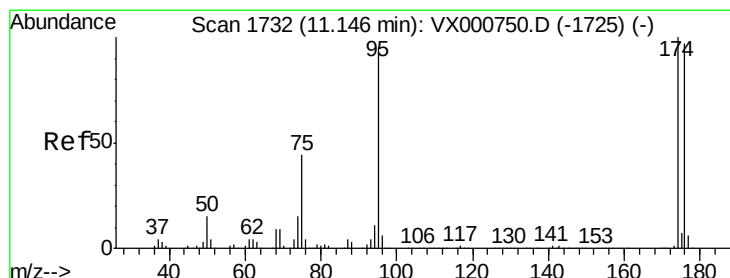
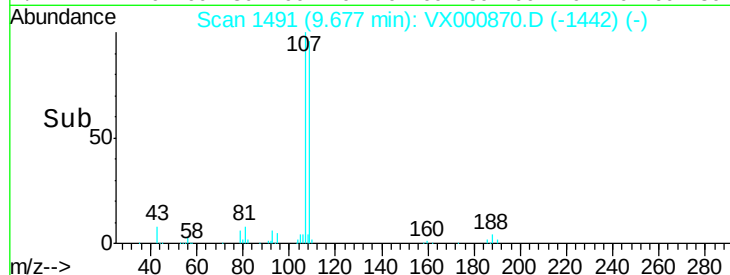
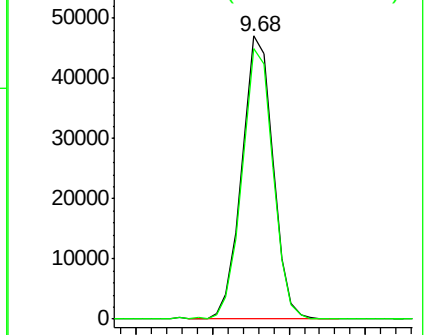
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.51 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

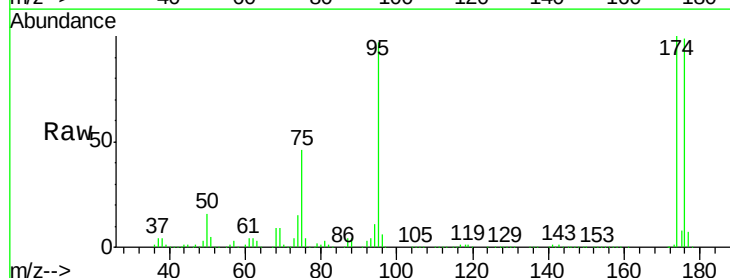
Tgt Ion: 95 Resp: 213245

Ion Ratio Lower Upper

95 100

174 98.3 0.0 198.4

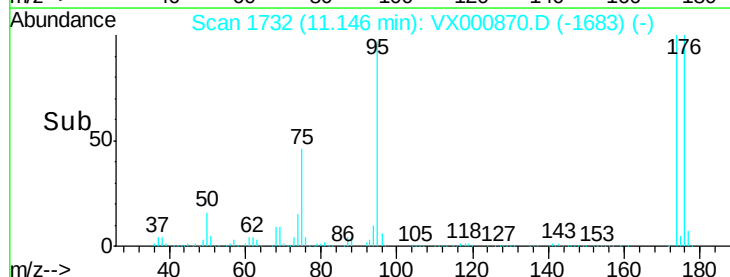
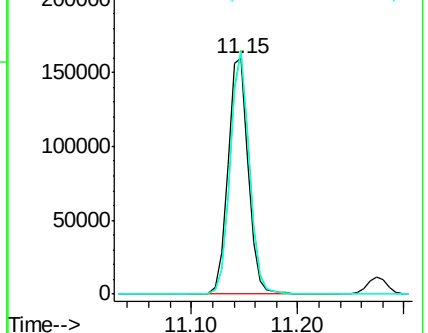
176 96.5 0.0 194.4

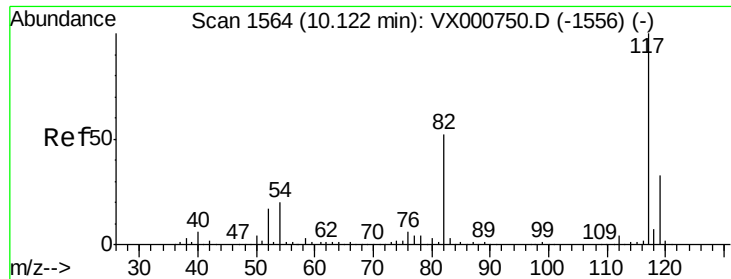


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





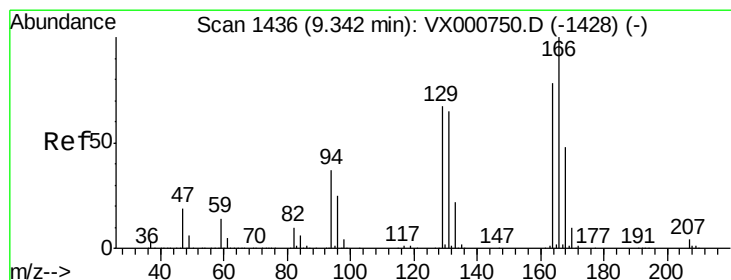
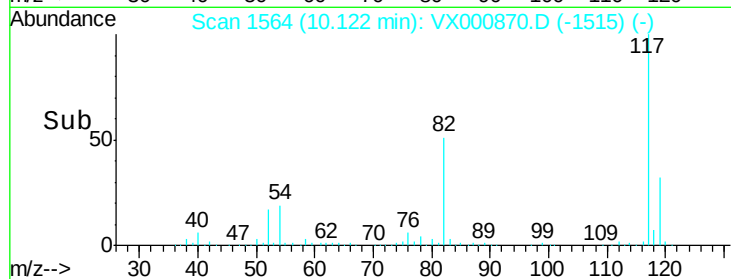
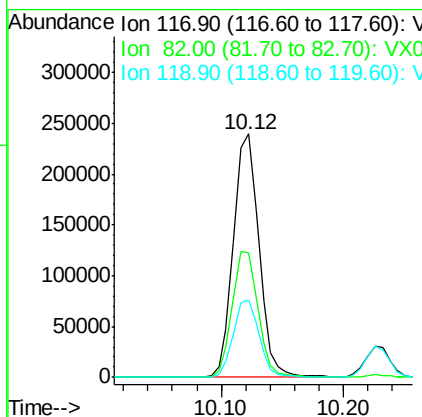
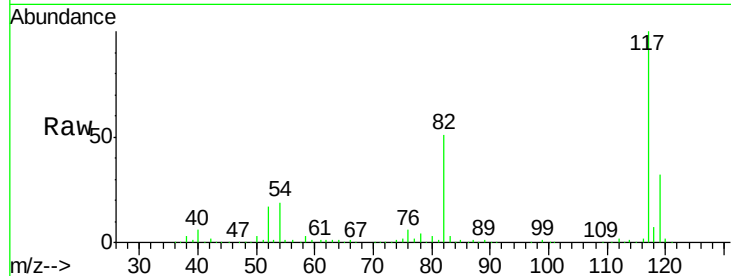
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.9	62.9
119	31.7	26.0	39.0

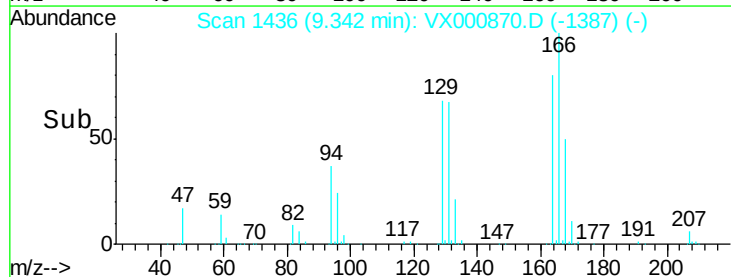
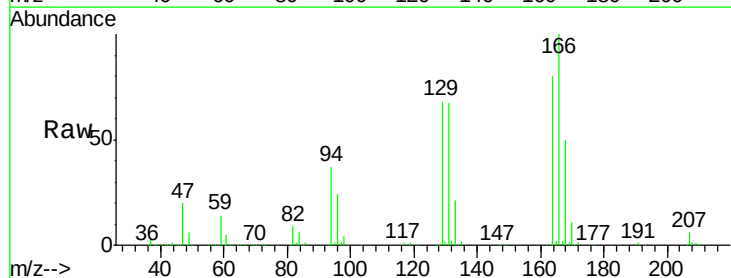
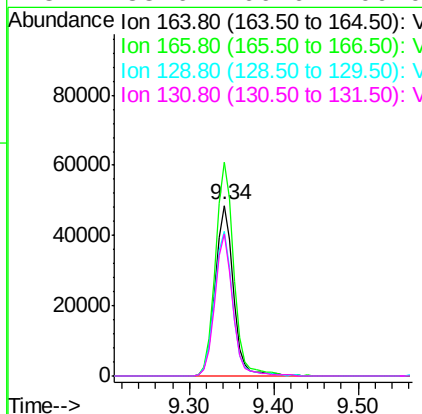
Manual Integrations
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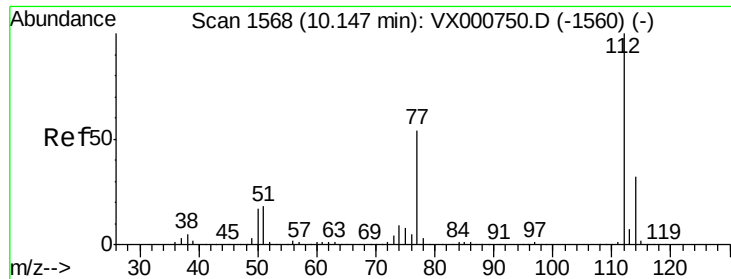
MMDadoda
4/16/2018 12:51:34 PM



#64
Tetrachloroethene
Concen: 21.59 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	102.8	154.2
129	85.3	68.5	102.7
131	83.6	66.6	100.0





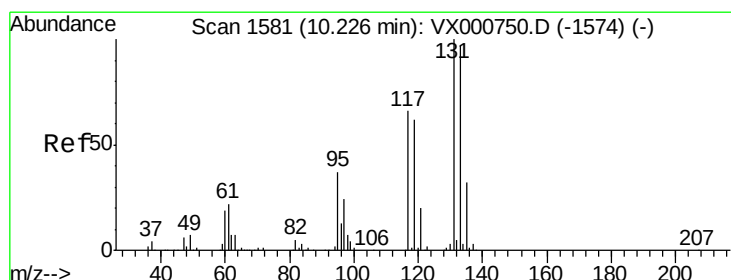
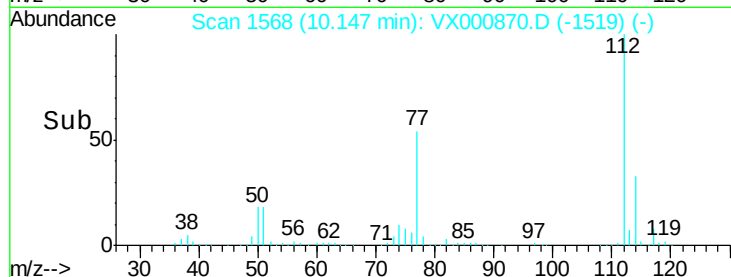
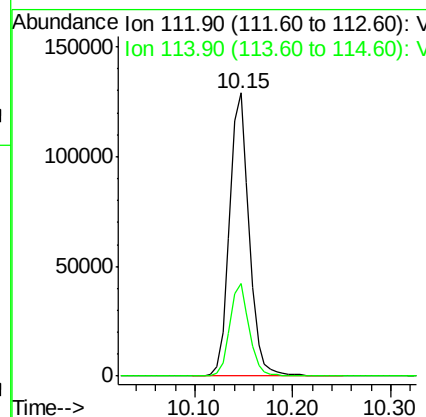
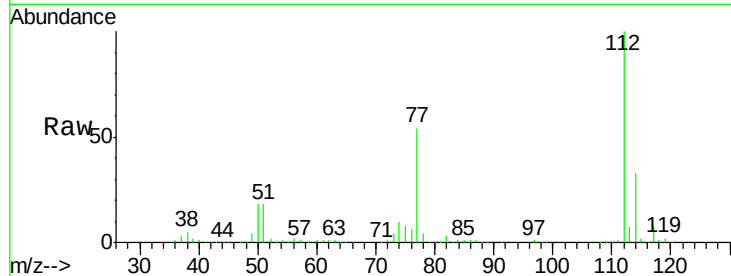
#65
Chlorobenzene
Concen: 20.57 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion:112 Resp: 179627
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8

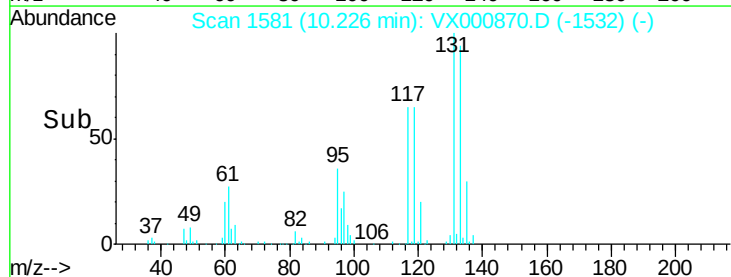
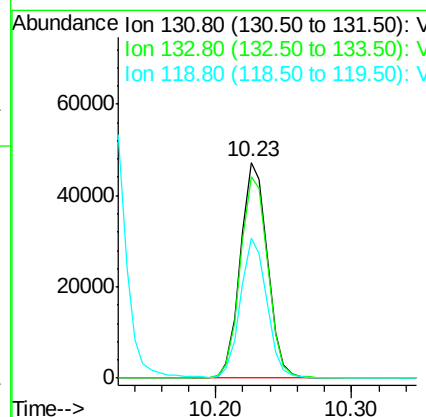
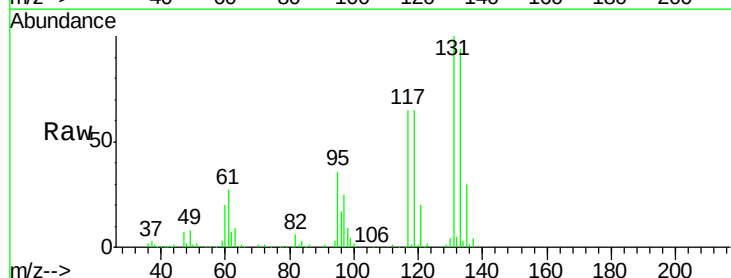
Manual Integrations
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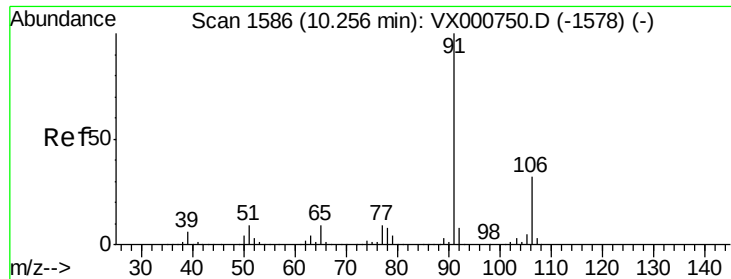
MMDadoda
4/16/2018 12:51:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.97 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion:131 Resp: 65632
Ion Ratio Lower Upper
131 100
133 94.8 48.3 144.9
119 63.2 31.4 94.0





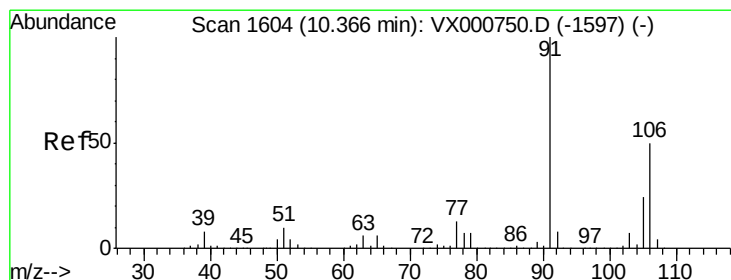
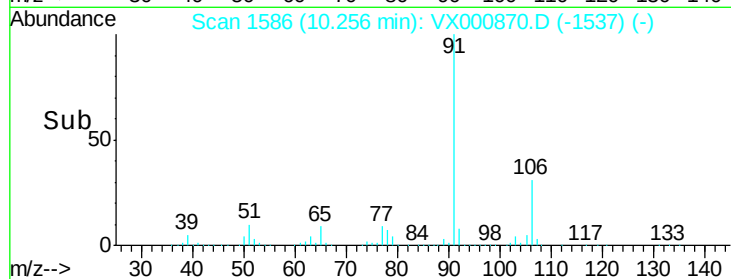
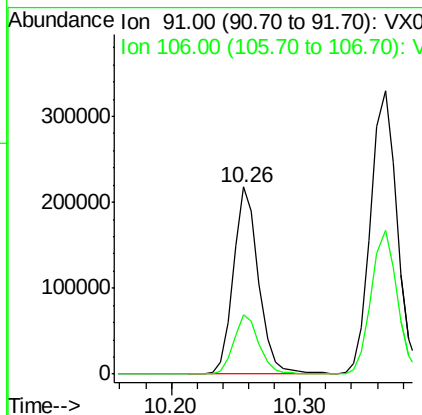
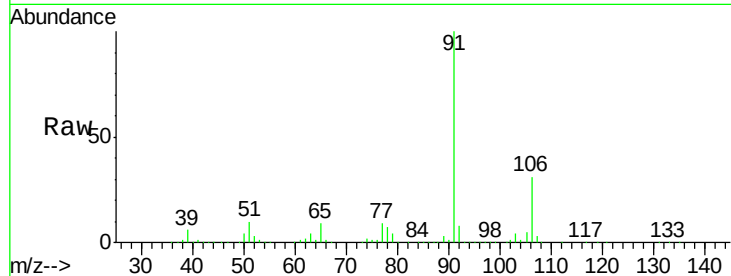
#67
Ethyl Benzene
Concen: 20.50 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampled :
VX0414WBSD01

Tot Ion: 91 Resp: 298419
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.0

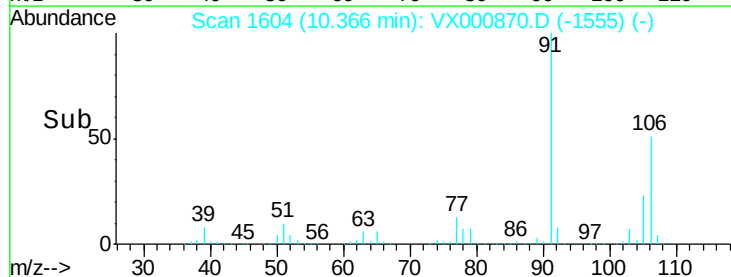
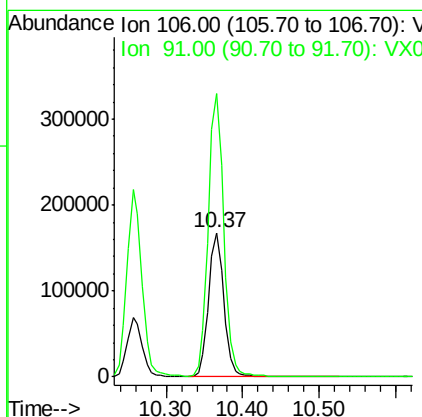
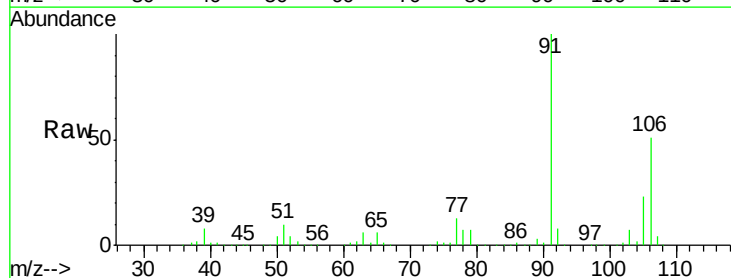
Manual Integrations
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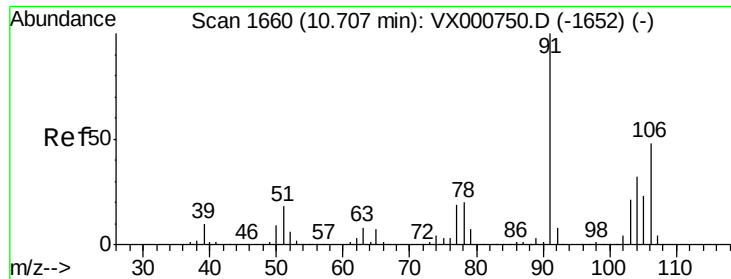
MMDadoda
4/16/2018 12:51:34 PM



#68
m/p-Xylenes
Concen: 40.91 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion: 106 Resp: 235072
Ion Ratio Lower Upper
106 100
91 200.2 159.3 238.9





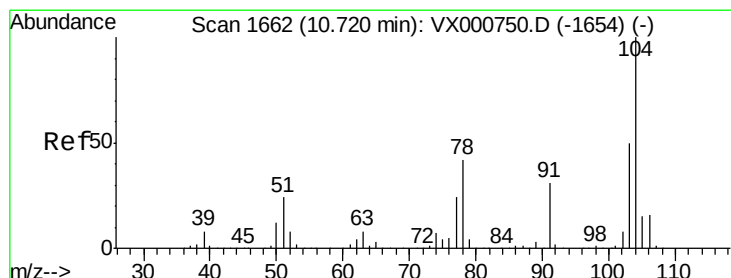
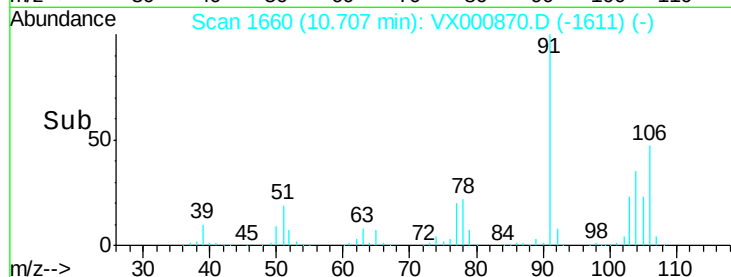
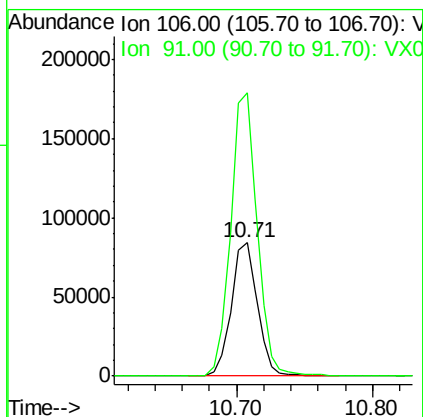
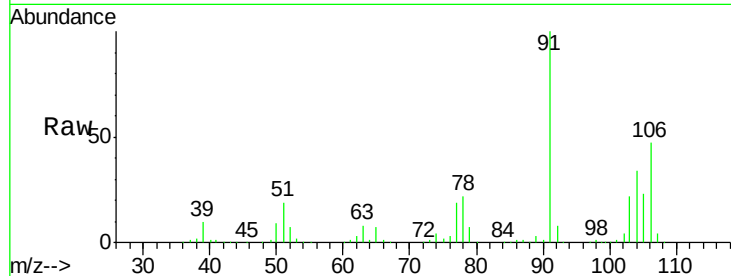
#69
o-Xylene
Concen: 20.41 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion:106 Resp: 113018
Ion Ratio Lower Upper
106 100
91 214.3 105.0 315.0

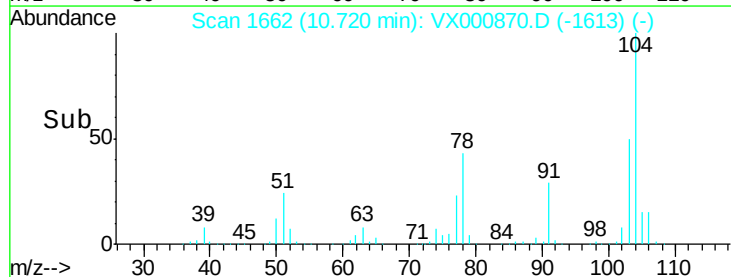
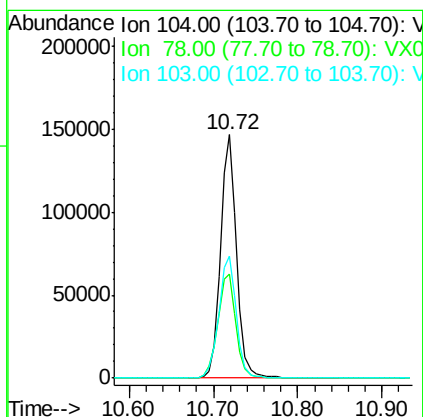
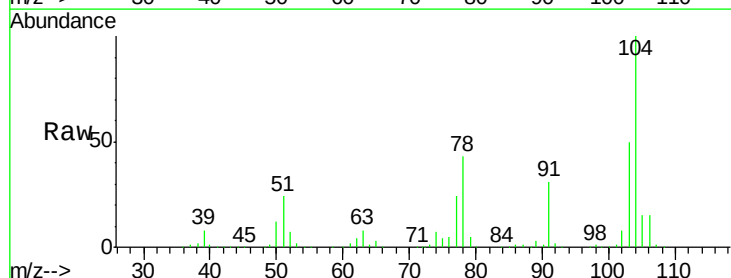
Manual Integrations
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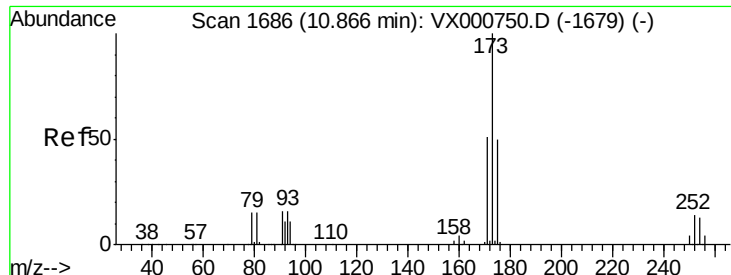
MMDadoda
4/16/2018 12:51:34 PM



#70
Styrene
Concen: 20.58 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion:104 Resp: 192126
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.6
103 55.2 44.1 66.1





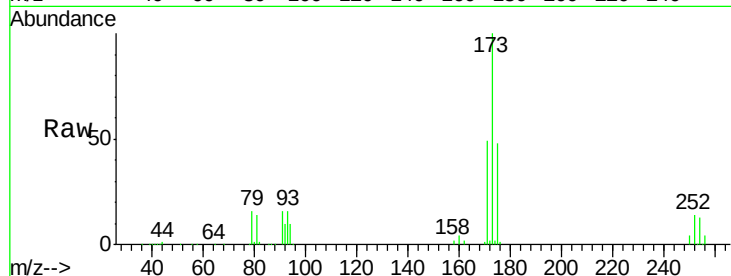
#71
Bromoform
Concen: 18.49 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

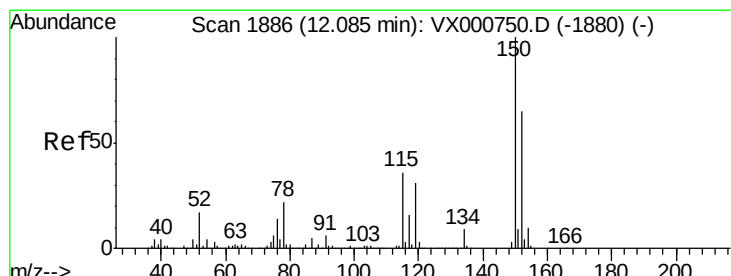
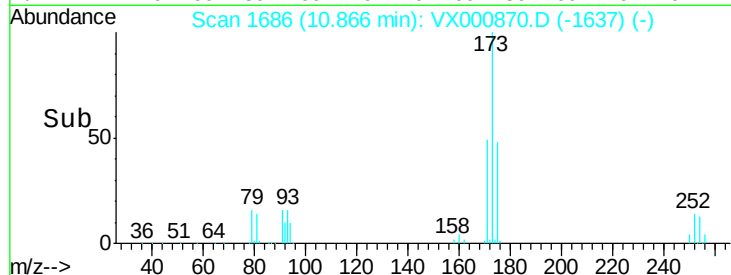
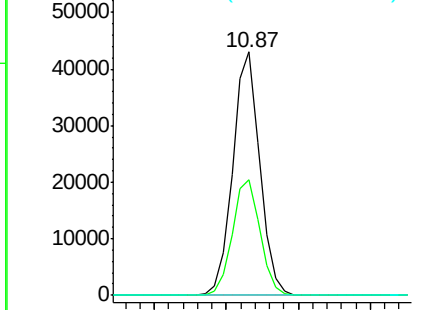
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.1	0.2	0.2#

Manual Integrations
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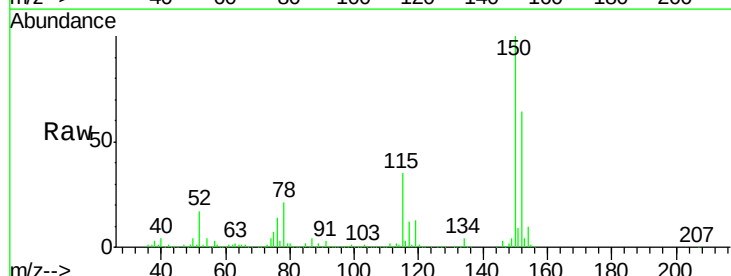


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

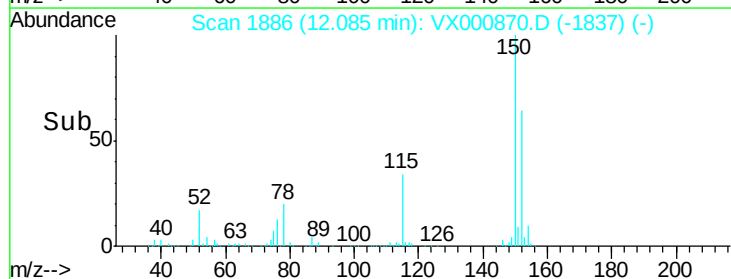
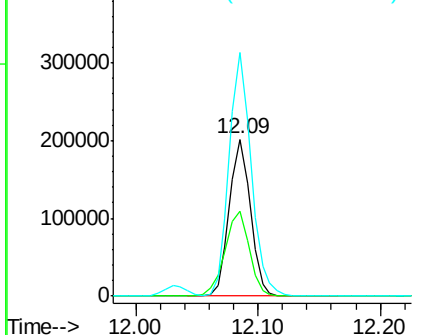


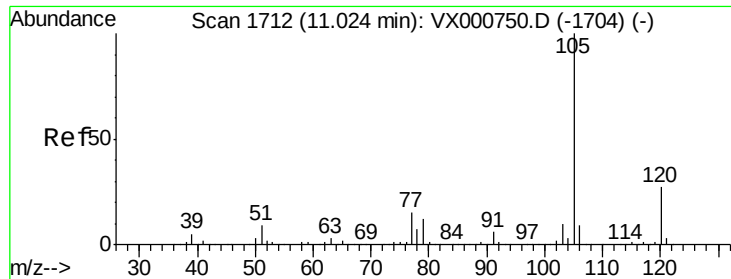
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	37.9	113.7
150	162.3	0.0	348.0



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: 20.31 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBSD01

Tot Ion:105 Resp: 310566

Ion Ratio Lower Upper

105 100

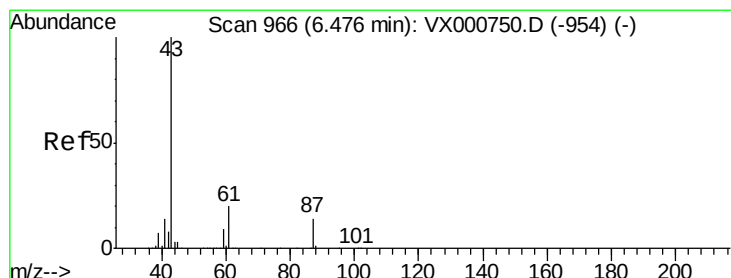
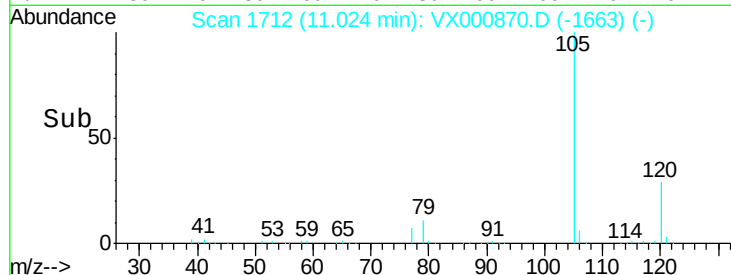
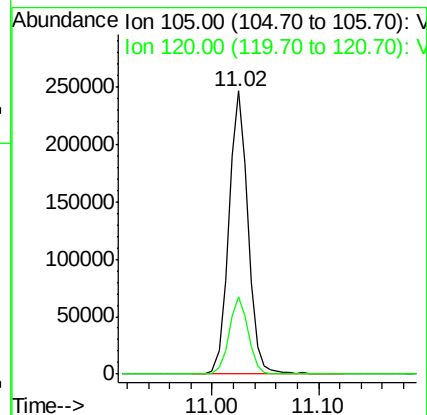
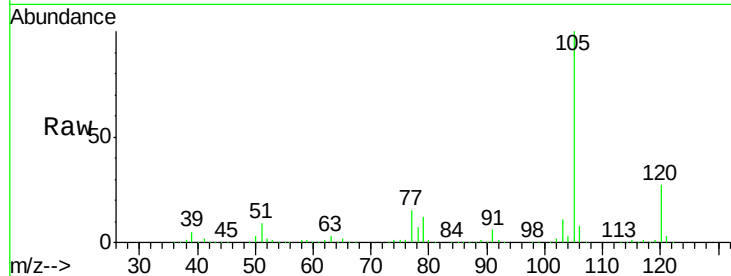
120 27.2 13.7 41.0

Manual Integrations

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4/16/2018 12:51:34 PM



#74

N-ethyl acetate

Concen: 21.06 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Tgt Ion: 43 Resp: 145048

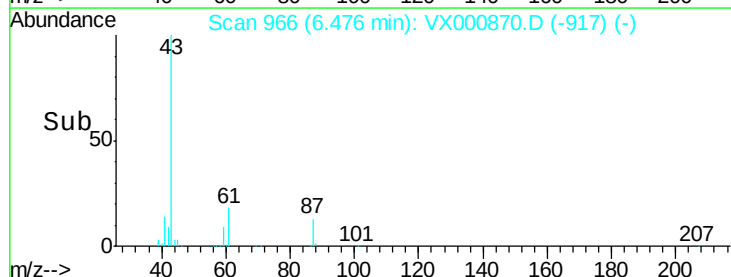
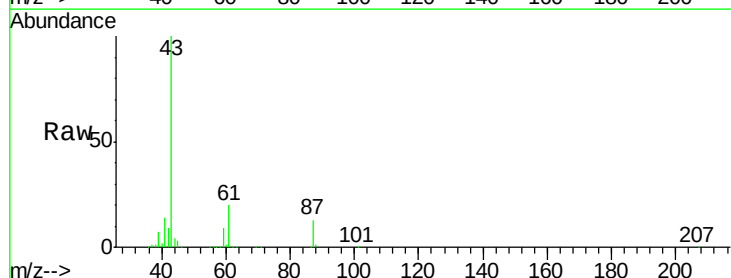
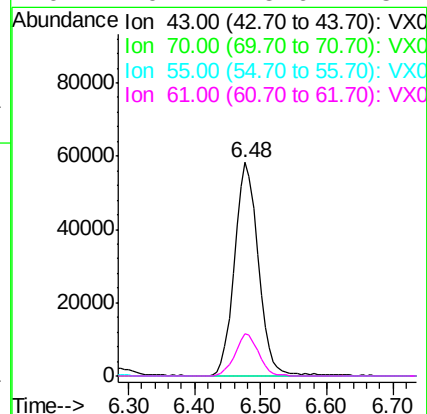
Ion Ratio Lower Upper

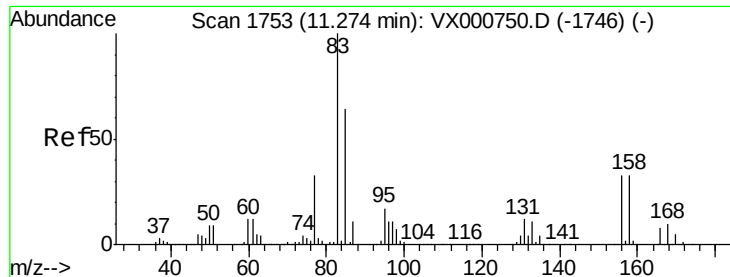
43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

61 19.4 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.18 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

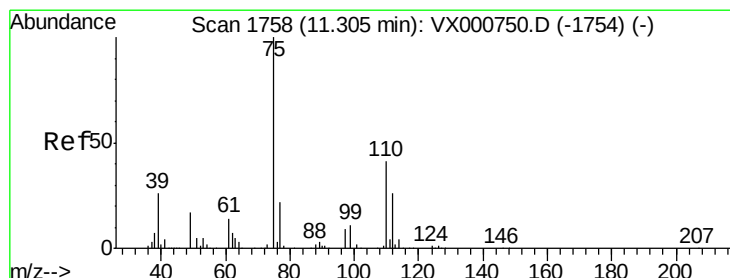
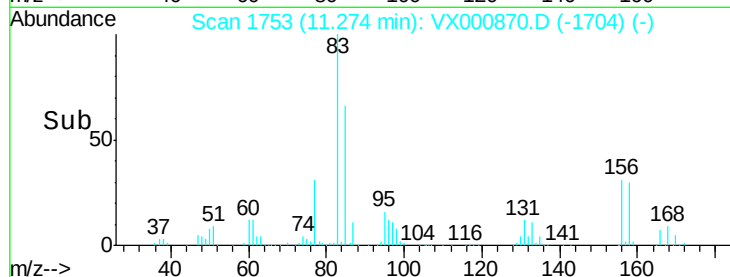
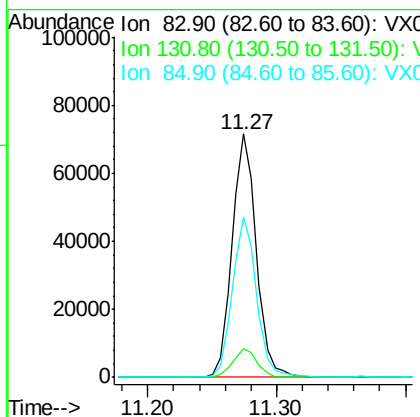
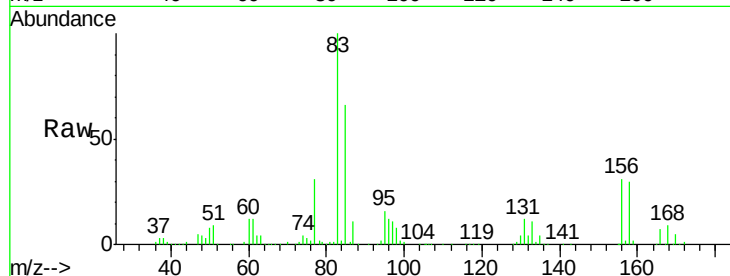
ClientSampleId :

VX0414WBSD01

Tot Ion:	83	Resp:	94021
Ion Ratio	Lower	Upper	
83	100		
131	11.9	6.0	18.0
85	65.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.58 ug/l m

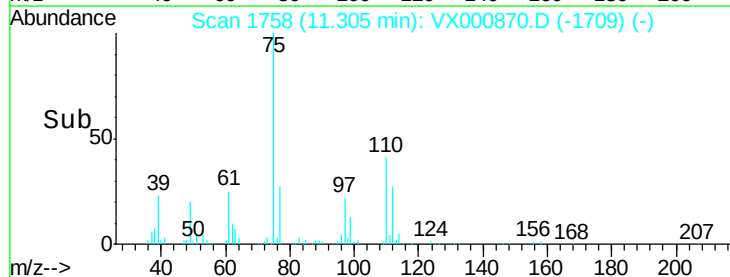
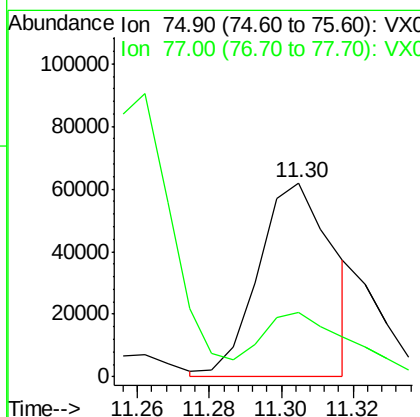
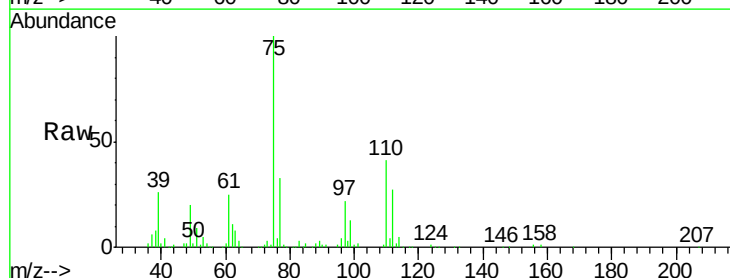
RT: 11.30 min Scan# 1758

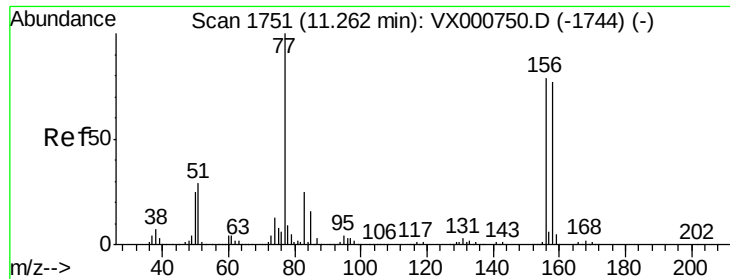
Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Tgt Ion:	75	Resp:	89730
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.5	61.5





#77

Bromobenzene

Concen: 20.07 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

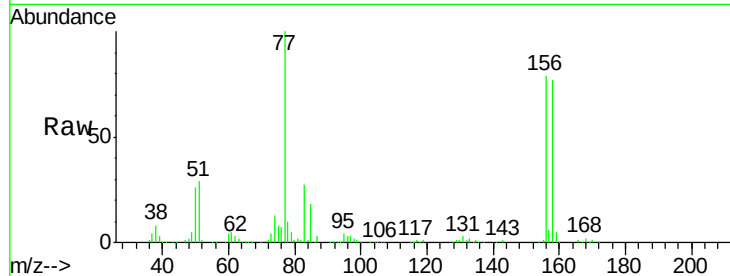
ClientSampleId :

VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.4	66.0	198.2
158	98.5	48.8	146.4

Manual Integrations
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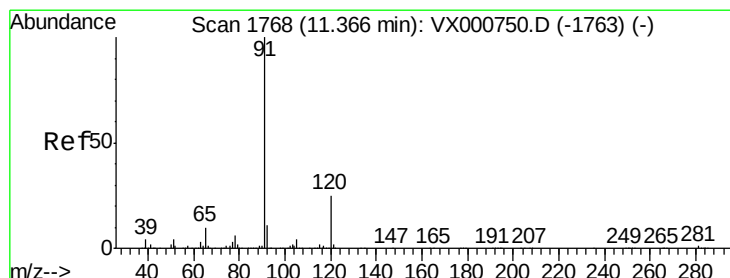
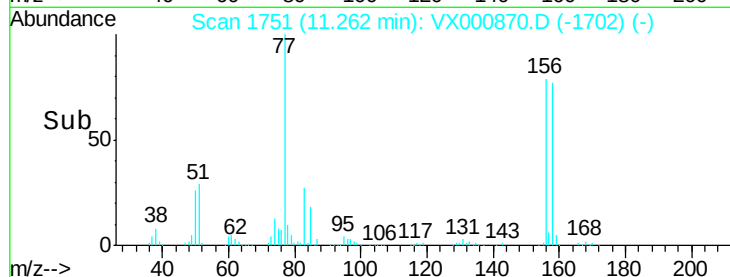
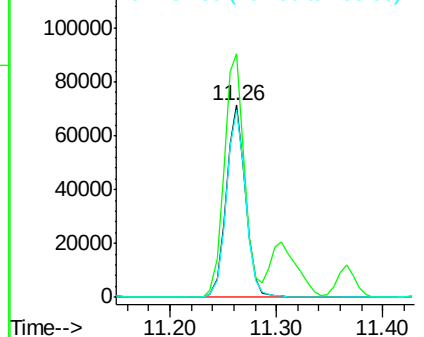


Abundance

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: 20.11 ug/l

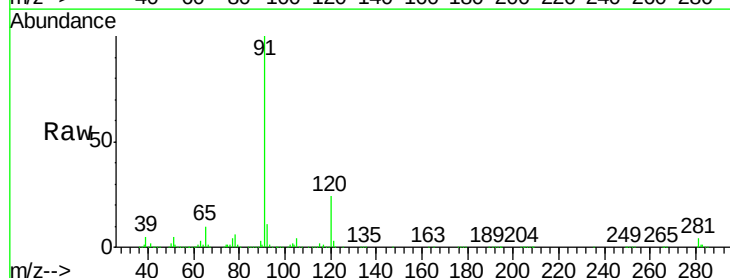
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

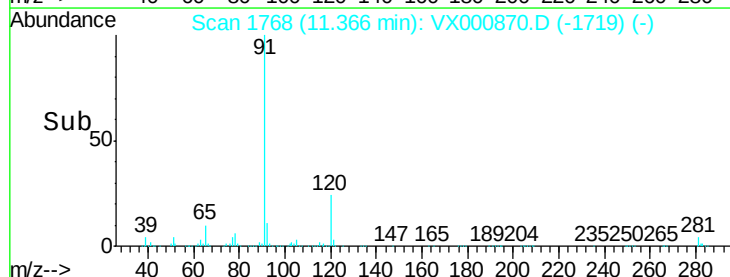
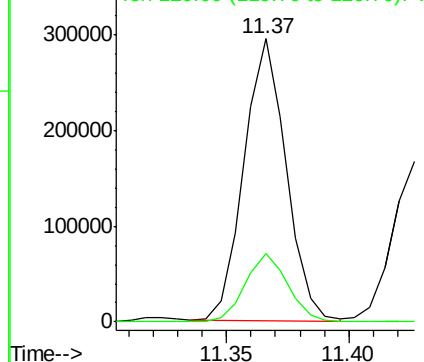
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.6	37.6

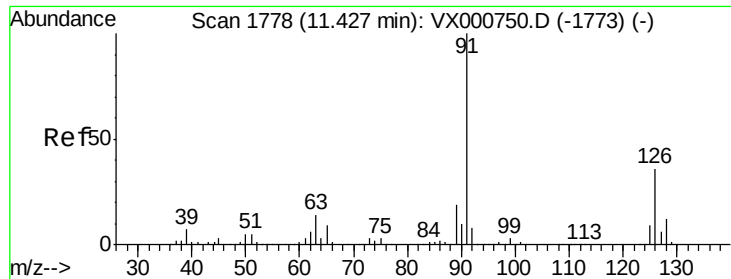


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





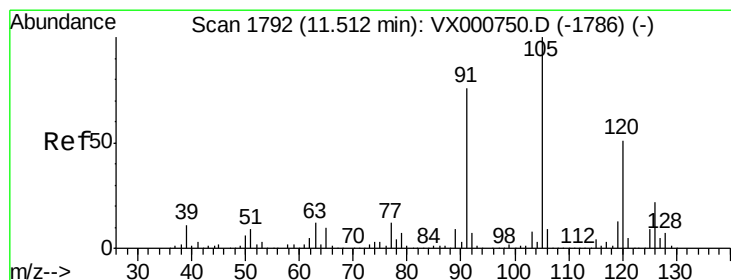
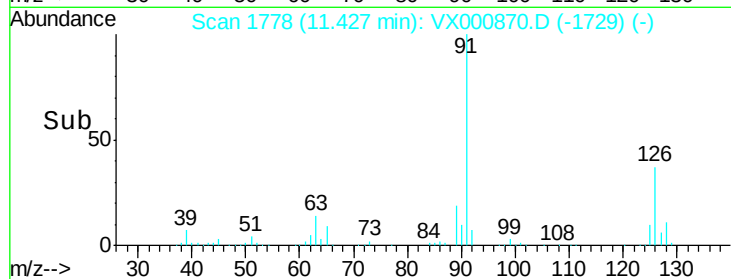
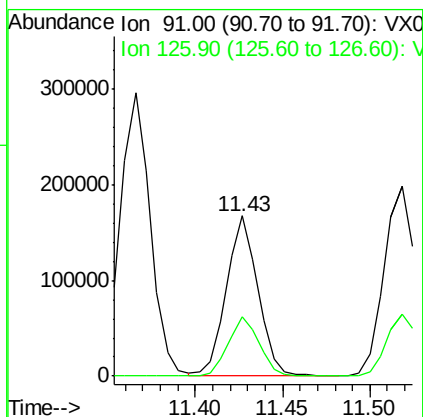
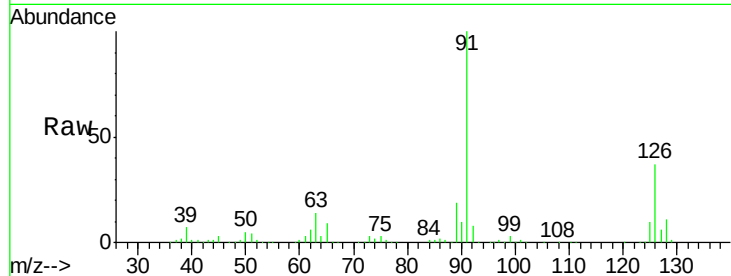
#79
 2-Chlorotoluene
 Concen: 20.13 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion: 91 Resp: 208107
 Ion Ratio Lower Upper
 91 100
 126 37.1 18.3 54.9

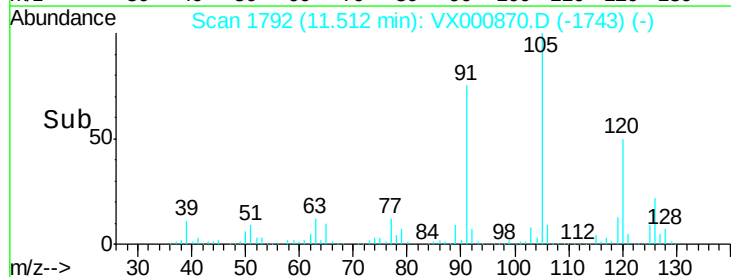
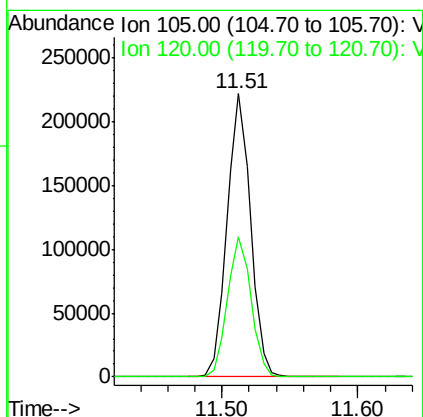
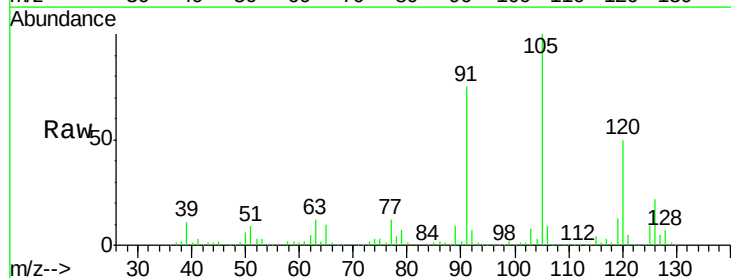
Manual Integrations
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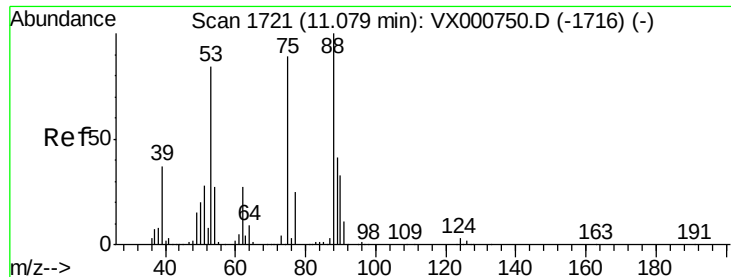
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.24 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion: 105 Resp: 266255
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.0 75.0





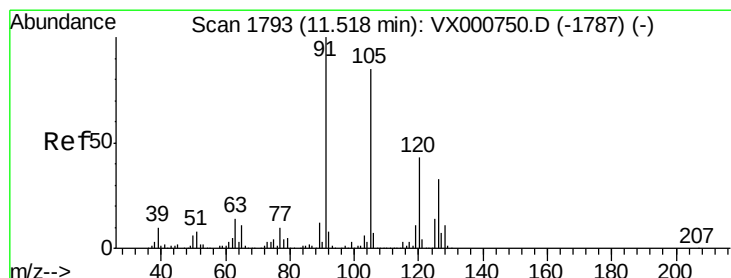
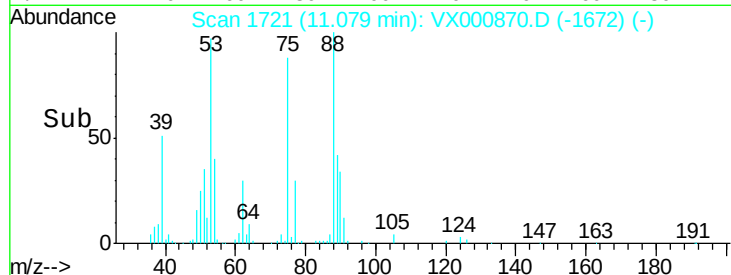
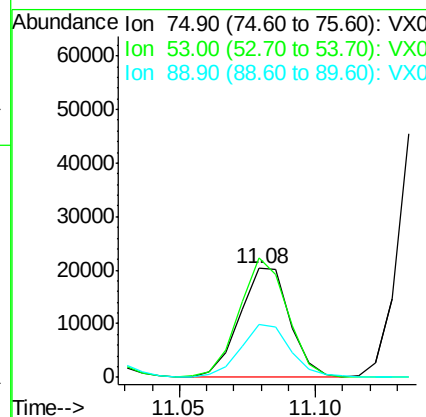
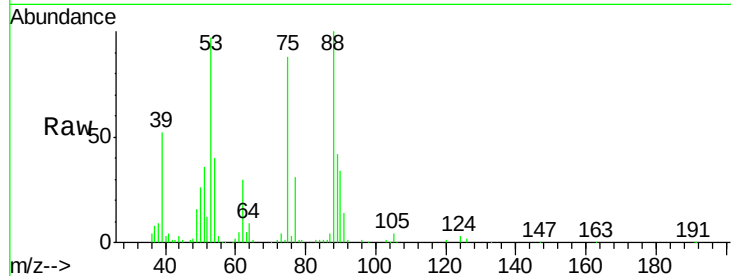
#81
trans-1,4-Dichloro-2-butene
Concen: 17.07 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.6	75.4	113.0
89	49.9	40.9	61.3

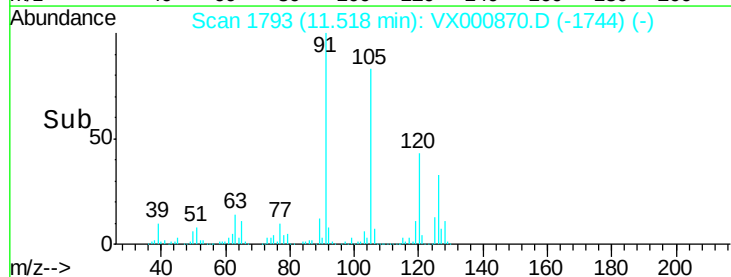
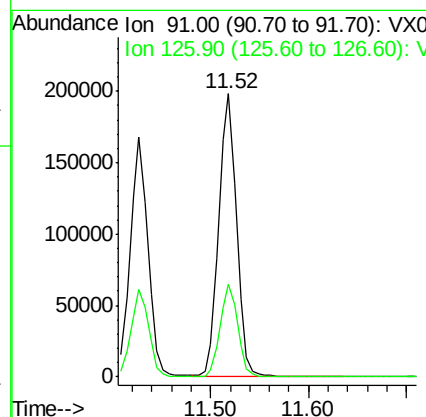
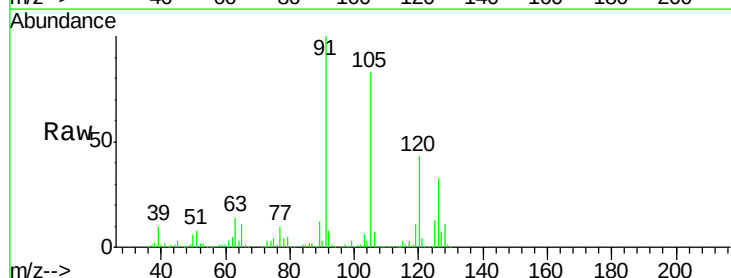
Manual Integrations
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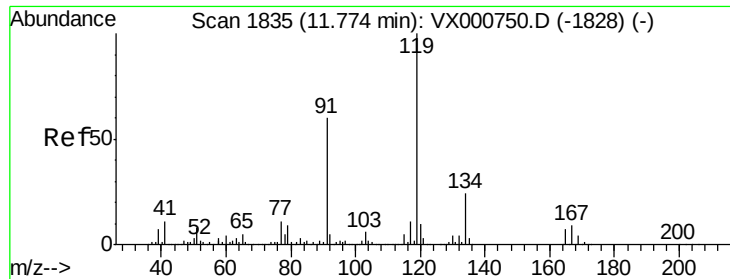
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.16 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000870.D
Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.6





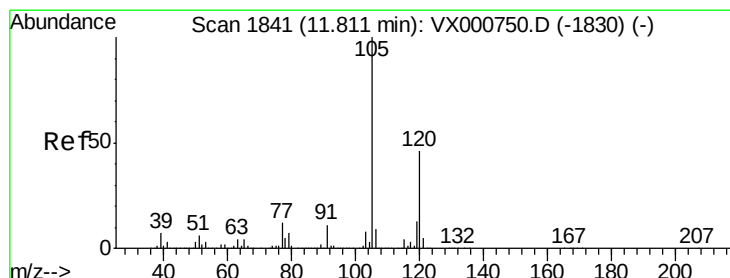
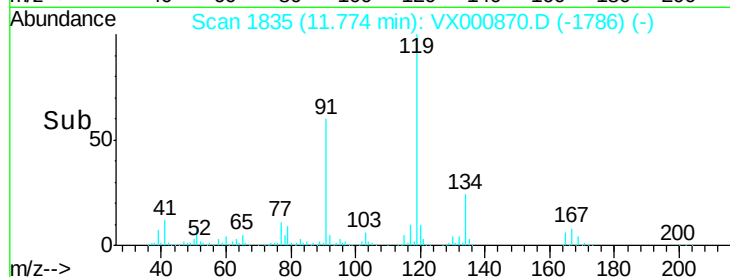
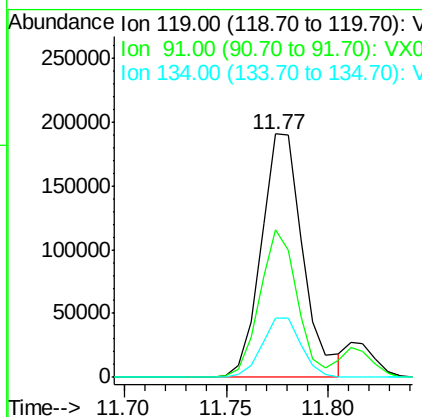
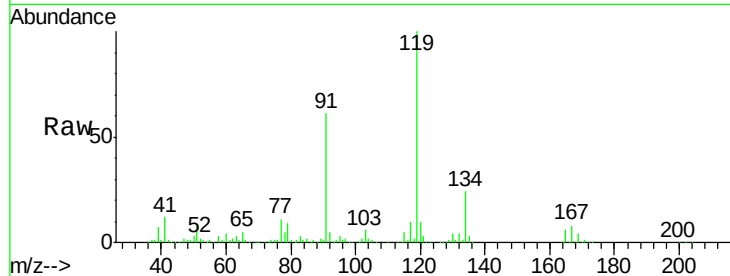
#83
 tert-Butylbenzene
 Concen: 20.16 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	271202		
91	54.6	26.8	80.3	
134	23.2	11.5	34.4	

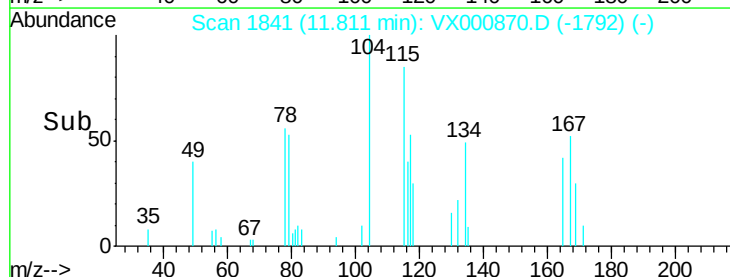
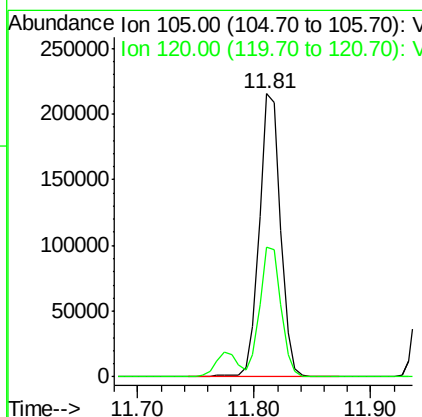
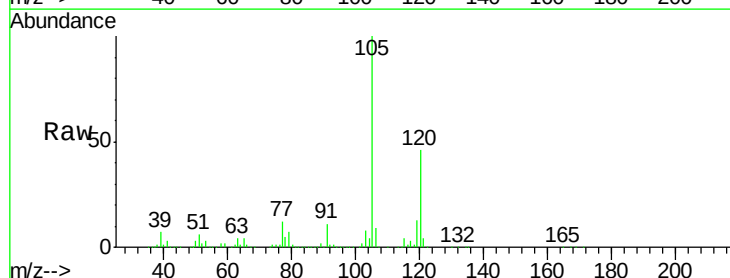
Manual Integrations
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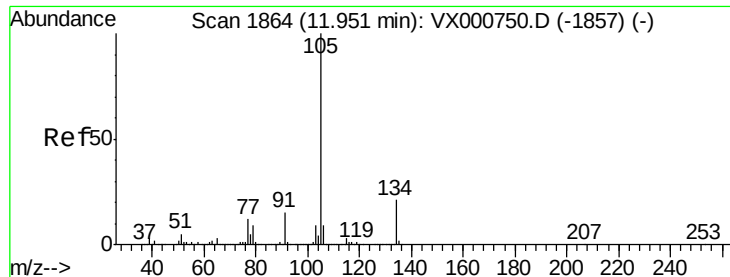
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.27 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	275192		
120	45.7	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.48 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0414WBSD01

Tot Ion:105 Resp: 325136

Ion Ratio Lower Upper

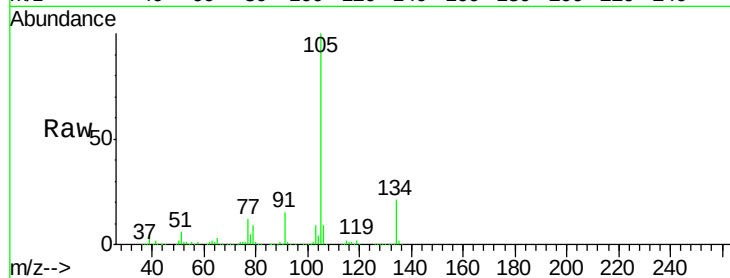
105 100

134 21.6 10.8 32.4

Manual Integrations
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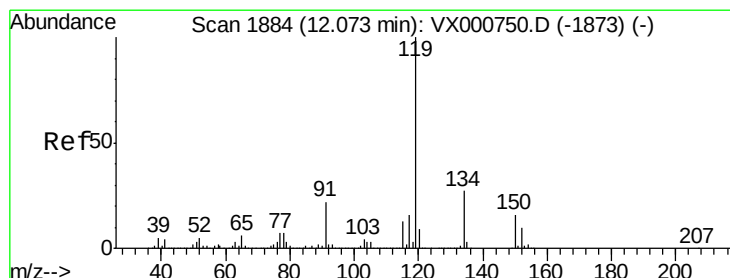
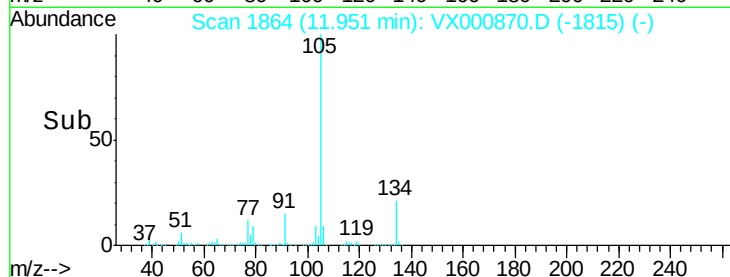
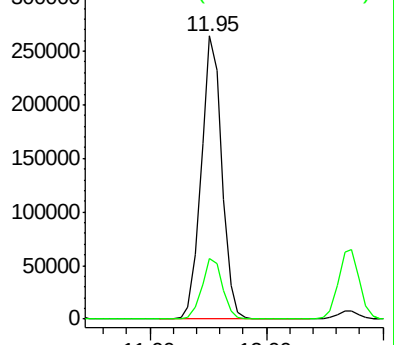
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.32 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

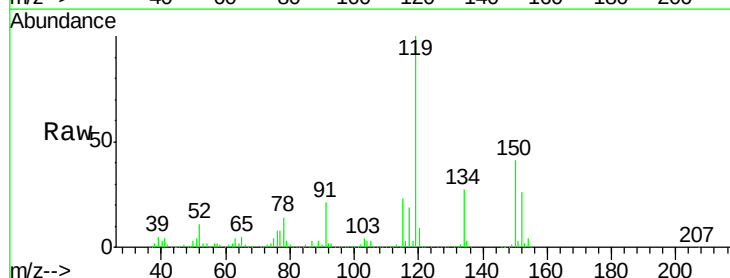
Tgt Ion:119 Resp: 300764

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

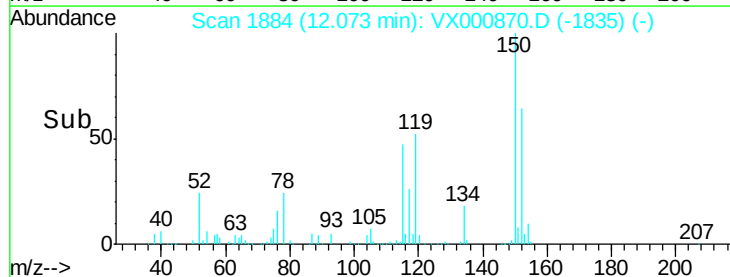
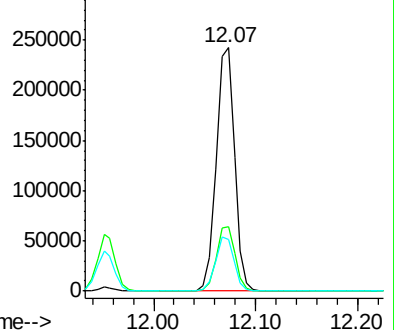
91 22.4 11.2 33.5

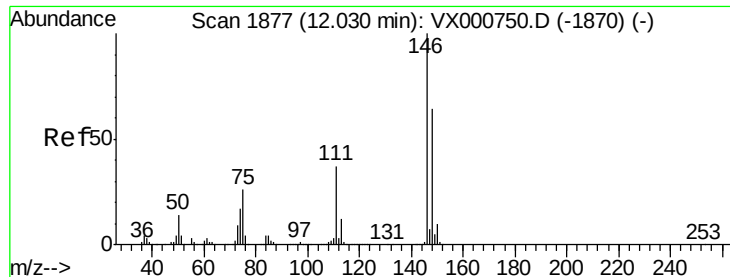


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





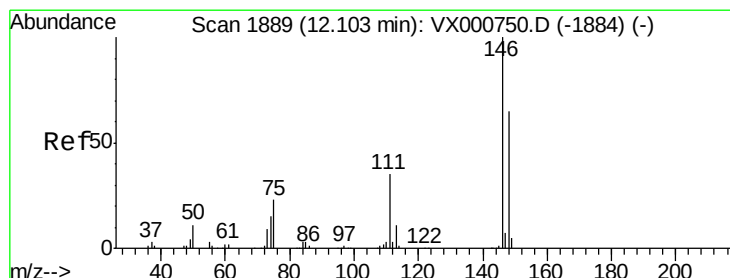
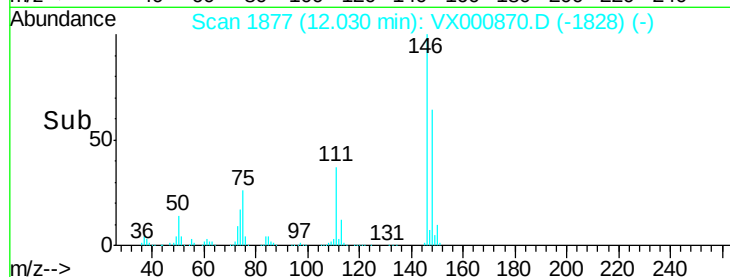
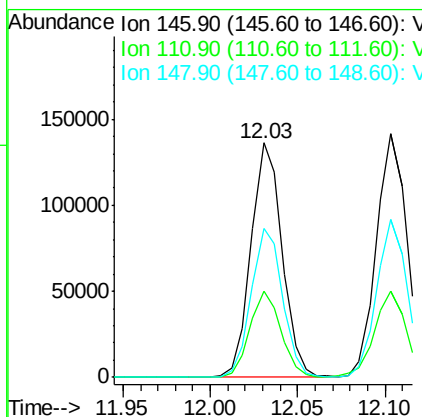
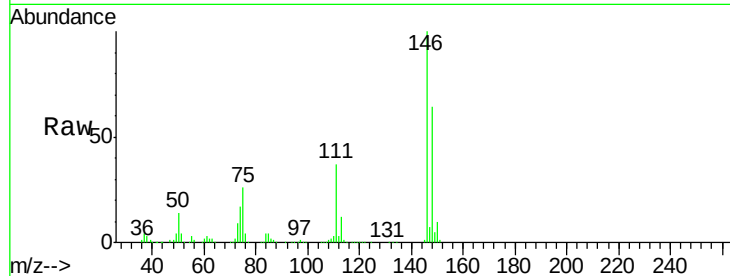
#87
 1,3-Dichlorobenzene
 Concen: 20.35 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168825		
111	36.7	18.3	54.8	
148	64.0	32.2	96.6	

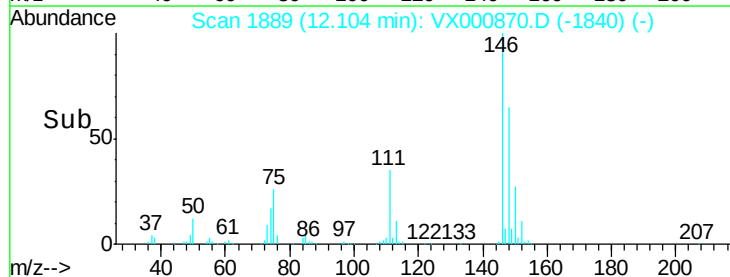
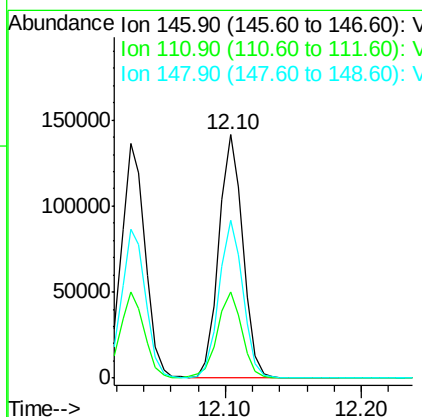
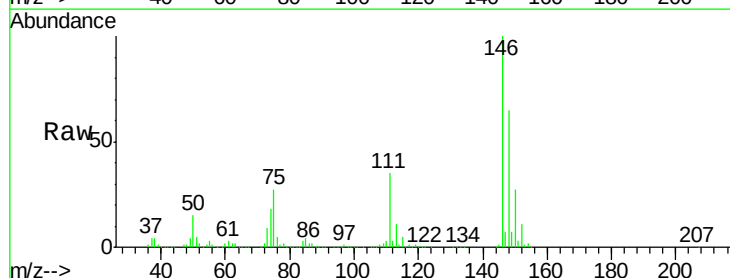
Manual Integrations
 APPROVED

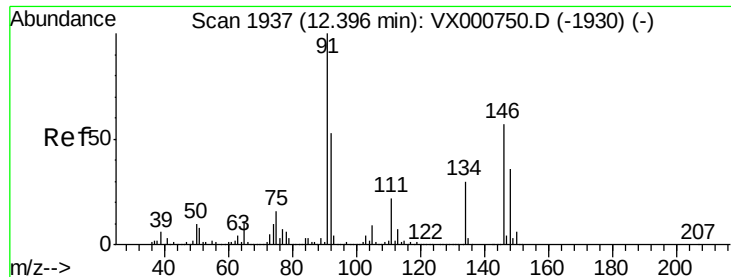
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#88
 1,4-Dichlorobenzene
 Concen: 20.32 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	172783		
111	36.5	17.9	53.8	
148	64.6	32.6	97.7	





#89

n-Butylbenzene

Concen: 20.39 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

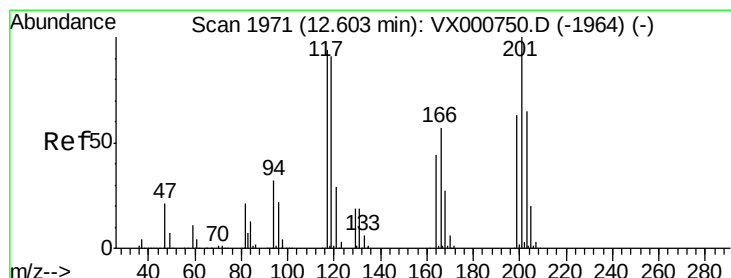
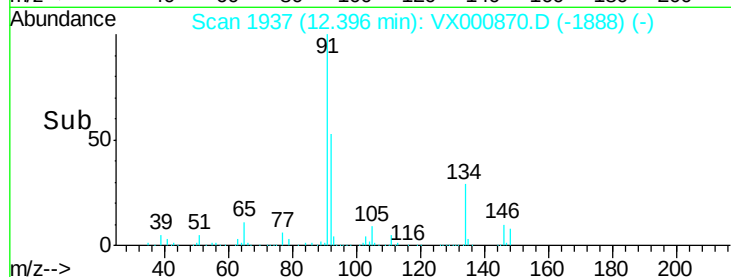
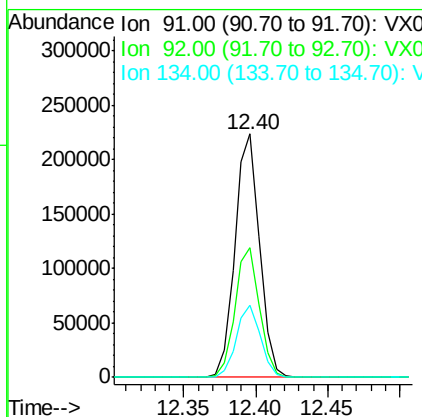
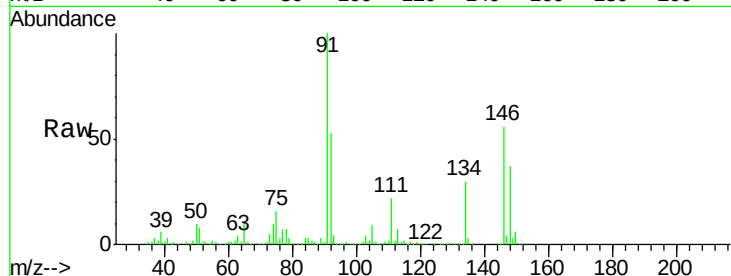
ClientSampleId :

VX0414WBSD01

Tot Ion:	91	Resp:	266431
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.5
134	29.1	14.5	43.5

Manual Integrations
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#90

Hexachloroethane

Concen: 17.03 ug/l

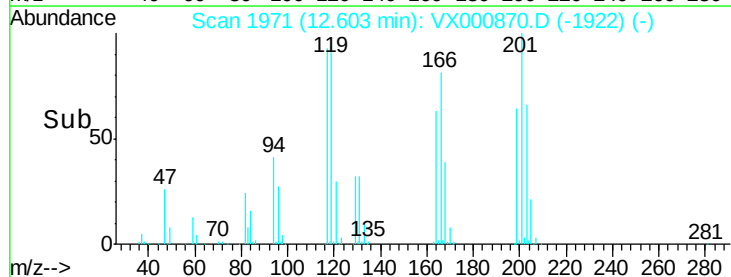
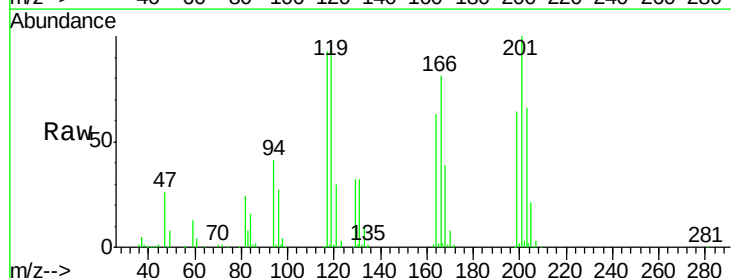
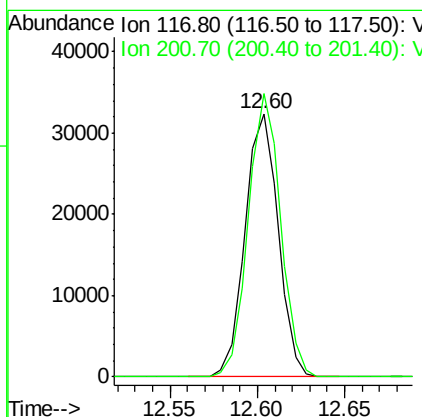
RT: 12.60 min Scan# 1971

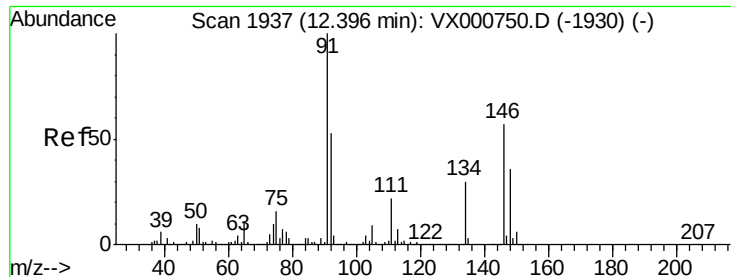
Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Tgt Ion:	117	Resp:	42667
Ion	Ratio	Lower	Upper
117	100		
201	105.0	52.9	158.7





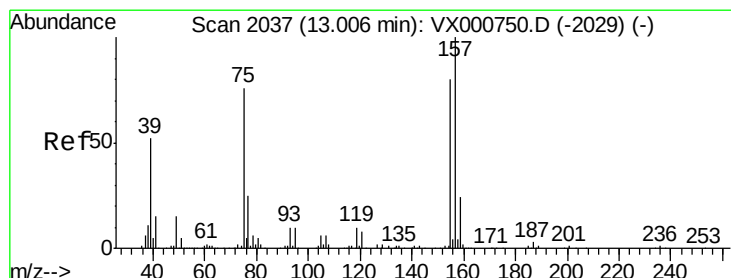
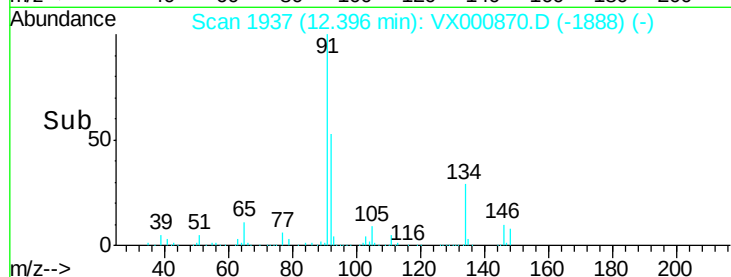
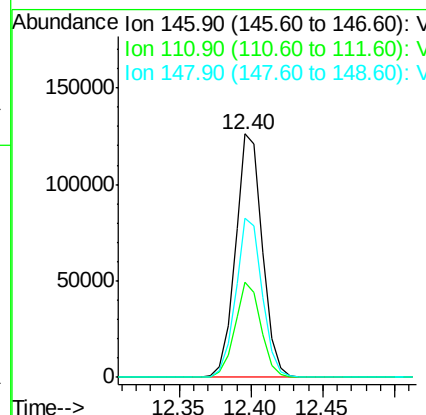
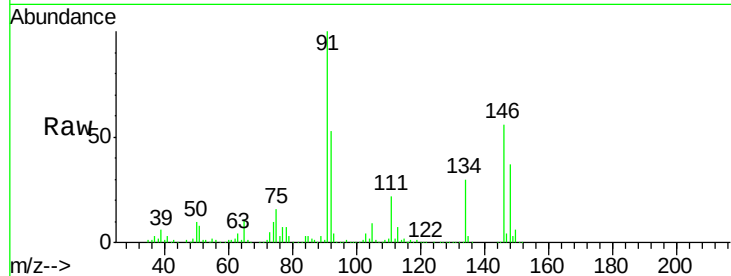
#91
 1,2-Dichlorobenzene
 Concen: 20.49 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	64.6	32.0	96.2

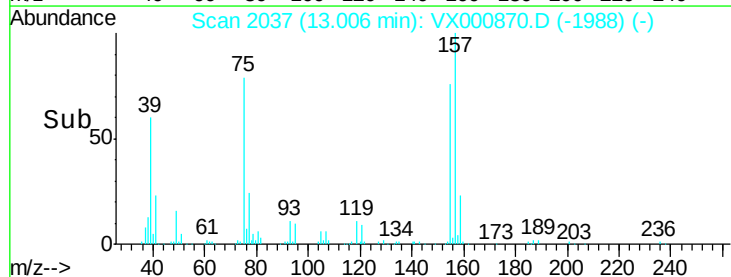
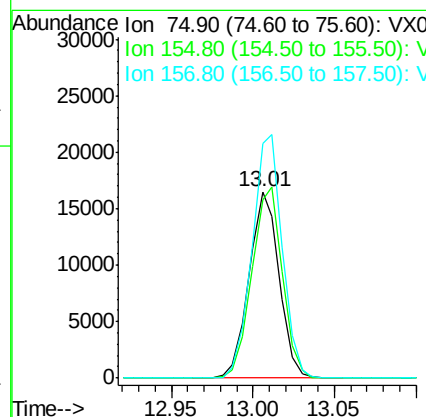
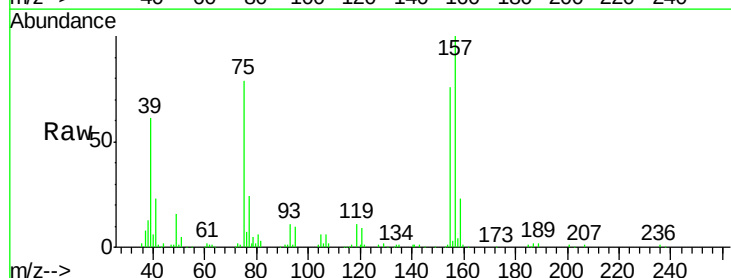
Manual Integrations
 APPROVED

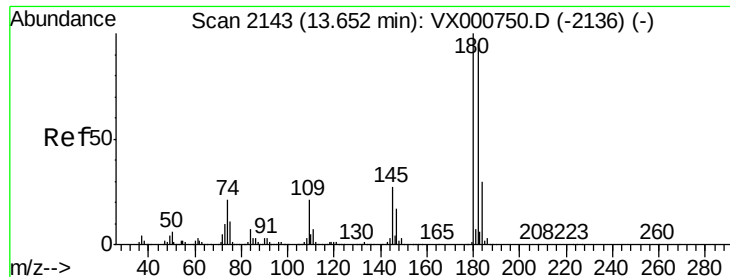
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.06 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.7	51.9	155.8
157	130.9	66.6	199.8





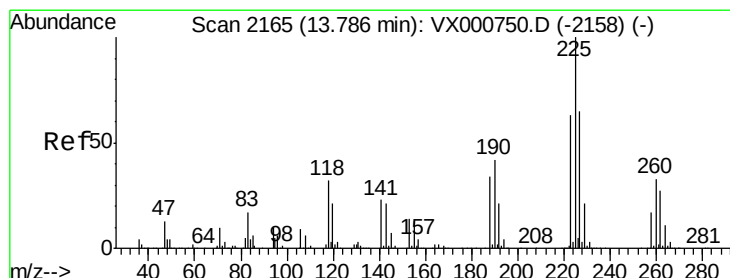
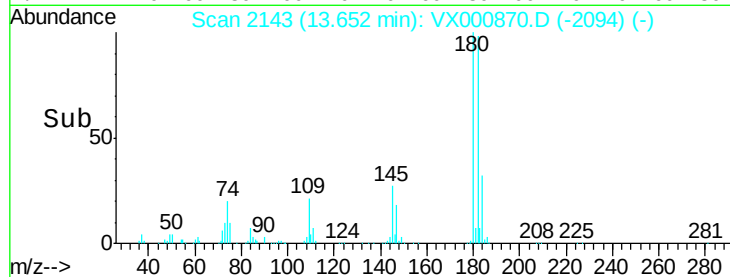
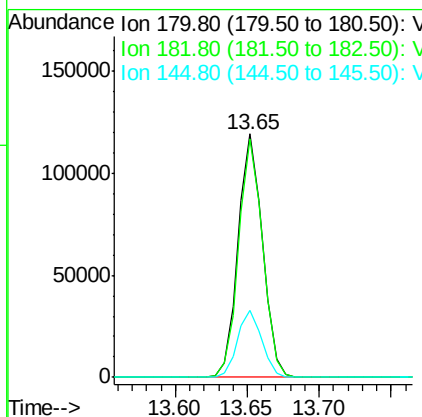
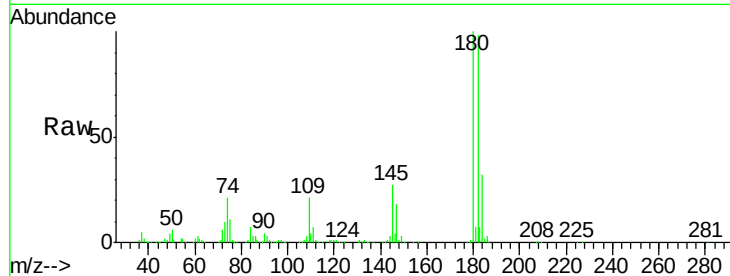
#93
 1,2,4-Trichlorobenzene
 Concen: 20.58 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140607		
182	96.6	47.5	142.5	
145	27.6	13.8	41.4	

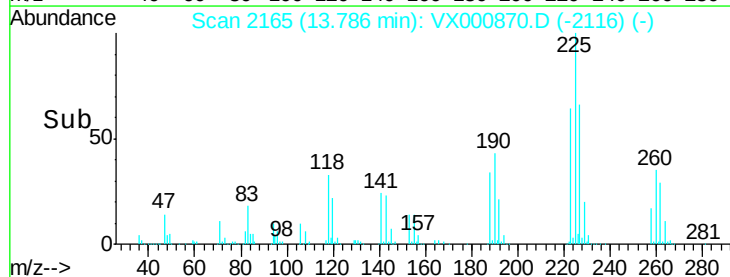
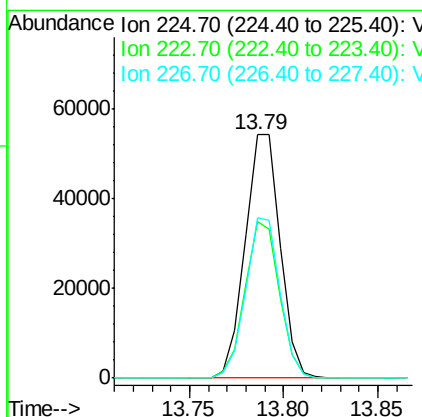
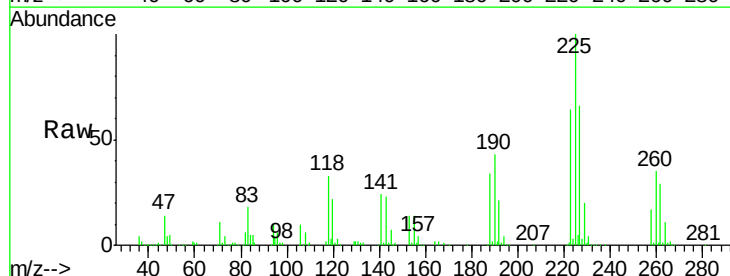
Manual Integrations
 APPROVED

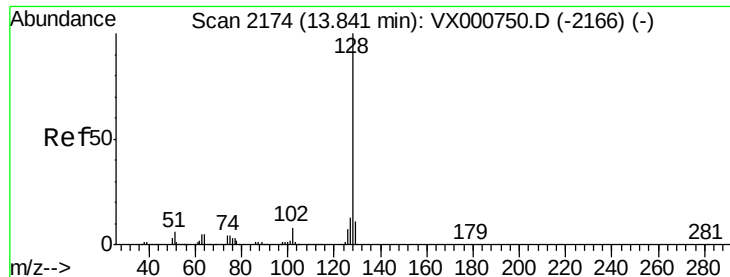
MMDadoda
 4/16/2018 12:51:34 PM



#94
 Hexachlorobutadiene
 Concen: 20.83 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX000870.D
 Acq: 14 Apr 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69982		
223	63.1	31.2	93.6	
227	64.5	32.3	96.9	





#95

Naphthalene

Concen: 21.38 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Instrument :

MSVOA_X

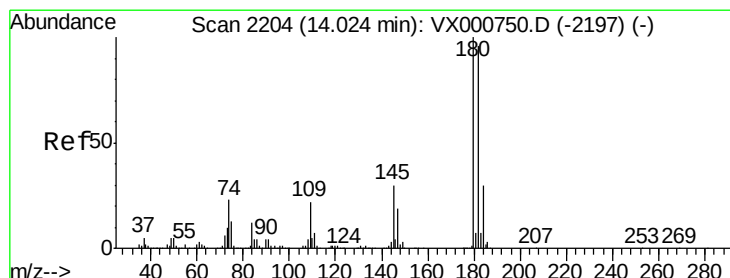
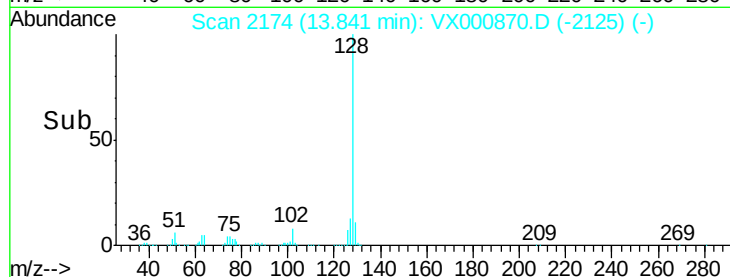
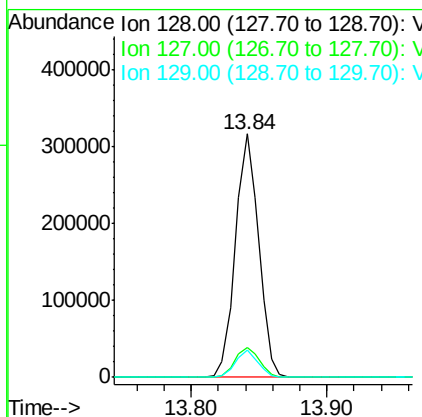
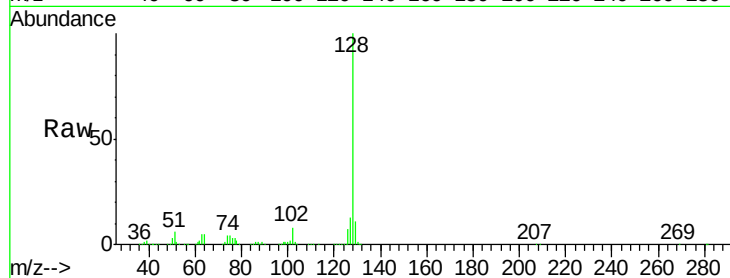
ClientSampleId :

VX0414WBSD01

Tot Ion:	128	Resp:	375099
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:51:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.83 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000870.D

Acq: 14 Apr 2018 13:09

Tgt Ion:	180	Resp:	138270
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.4	145.2
145	29.0	14.6	43.8

