

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003893.D
 Acq On : 07 Aug 2018 20:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:02:14 PM

Quant Time: Aug 08 03:19:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	343718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	513344	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	480546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	273365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	235354	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
35) Dibromofluoromethane	5.51	113	196081	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	8.72	98	762528	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
62) 4-Bromofluorobenzene	11.14	95	284550	58.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	171495	49.23	ug/l	99
3) Chloromethane	1.32	50	217770	45.95	ug/l	100
4) Vinyl Chloride	1.40	62	227376	48.11	ug/l	98
5) Bromomethane	1.64	94	128718	52.27	ug/l	99
6) Chloroethane	1.71	64	169994	56.22	ug/l	97
7) Trichlorofluoromethane	1.92	101	297561	47.69	ug/l	100
8) Diethyl Ether	2.19	74	136972	48.83	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	182821	46.87	ug/l	100
10) Methyl Iodide	2.51	142	229532	47.31	ug/l	99
11) Tert butyl alcohol	3.08	59	276129	252.20	ug/l	99
12) 1,1-Dichloroethene	2.37	96	176579	47.86	ug/l	99
13) Acrolein	2.29	56	120528	213.17	ug/l	100
14) Allyl chloride	2.73	41	340188	47.84	ug/l	99
15) Acrylonitrile	3.15	53	635919	243.41	ug/l	100
16) Acetone	2.45	43	646531	238.52	ug/l	100
17) Carbon Disulfide	2.56	76	482852	46.22	ug/l	100
18) Methyl Acetate	2.78	43	294139	49.84	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	647552	49.53	ug/l	100
20) Methylene Chloride	2.85	84	210574	49.27	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	195879	46.77	ug/l	99
22) Diisopropyl ether	3.87	45	634196	48.51	ug/l	99
23) Vinyl Acetate	3.82	43	2649034	243.55	ug/l	100
24) 1,1-Dichloroethane	3.70	63	378626	48.76	ug/l	99
25) 2-Butanone	4.71	43	1015477	249.17	ug/l	99
26) 2,2-Dichloropropane	4.58	77	205129	36.63	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	223084	49.09	ug/l	95
28) Bromochloromethane	5.02	49	167646	50.45	ug/l	100
29) Tetrahydrofuran	5.17	42	525570	250.90	ug/l	100
30) Chloroform	5.21	83	361121	49.40	ug/l	98
31) Cyclohexane	5.57	56	325495	49.57	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	304833	49.73	ug/l	99
36) 1,1-Dichloropropene	5.80	75	274245	47.70	ug/l	100
37) Ethyl Acetate	4.87	43	308395	48.76	ug/l	100
38) Carbon Tetrachloride	5.78	117	264883	48.40	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	327579	48.32	ug/l	98
40) Benzene	6.15	78	837110	48.49	ug/l	99
41) Methacrylonitrile	5.07	41	173014	49.67	ug/l	99
42) 1,2-Dichloroethane	6.20	62	285363	48.88	ug/l	100
43) Isopropyl Acetate	6.47	43	475584	49.97	ug/l	100
44) Trichloroethene	7.21	130	222404	47.10	ug/l	96
45) 1,2-Dichloropropane	7.52	63	214983	48.22	ug/l	99
46) Dibromomethane	7.66	93	138417	47.82	ug/l	100
47) Bromodichloromethane	7.90	83	265670	48.72	ug/l	99
48) Methyl methacrylate	7.78	41	247138	51.08	ug/l	99
49) 1,4-Dioxane	7.76	88	120129	1054.05	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2011333	254.96	ug/l	100
52) Toluene	8.79	92	536005	49.14	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	296519	48.11	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	320826	48.28	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	214968	48.22	ug/l	99
56) Ethyl methacrylate	9.18	69	334349	51.70	ug/l	100
57) 1,3-Dichloropropane	9.37	76	365314	48.97	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	836594	263.05	ug/l	99
59) 2-Hexanone	9.50	43	1548082	262.52	ug/l	100
60) Dibromochloromethane	9.59	129	214328	51.57	ug/l	100
61) 1,2-Dibromoethane	9.68	107	224346	50.27	ug/l	99
64) Tetrachloroethene	9.34	164	217791	46.07	ug/l	94
65) Chlorobenzene	10.14	112	599209	47.92	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	213585	49.69	ug/l	99
67) Ethyl Benzene	10.26	91	1020135	49.84	ug/l	98
68) m/p-Xylenes	10.36	106	796638	99.61	ug/l	97
69) o-Xylene	10.70	106	388705	51.48	ug/l	97
70) Styrene	10.71	104	655964	53.07	ug/l	98
71) Bromoform	10.86	173	169068	46.60	ug/l	98
73) Isopropylbenzene	11.02	105	1038590	51.36	ug/l	97
74) N-amyl acetate	6.47	43	475584	45.22	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	341625	49.29	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	301163m	49.88	ug/l	
77) Bromobenzene	11.26	156	271835	50.39	ug/l	99
78) n-propylbenzene	11.36	91	1182712	52.08	ug/l	100
79) 2-Chlorotoluene	11.42	91	691748	49.96	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	858470	52.06	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	94210	42.78	ug/l	97
82) 4-Chlorotoluene	11.51	91	806492	49.72	ug/l	100
83) tert-Butylbenzene	11.77	119	853929	52.64	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	879283	53.03	ug/l	98
85) sec-Butylbenzene	11.95	105	986314	51.52	ug/l	98
86) p-Isopropyltoluene	12.07	119	838381	48.80	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	447713	44.89	ug/l	95
88) 1,4-Dichlorobenzene	12.10	146	454014	47.47	ug/l	98
89) n-Butylbenzene	12.39	91	699540	46.73	ug/l	99
90) Hexachloroethane	12.60	117	124394	44.60	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	453140	45.84	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	64369	45.34	ug/l	96

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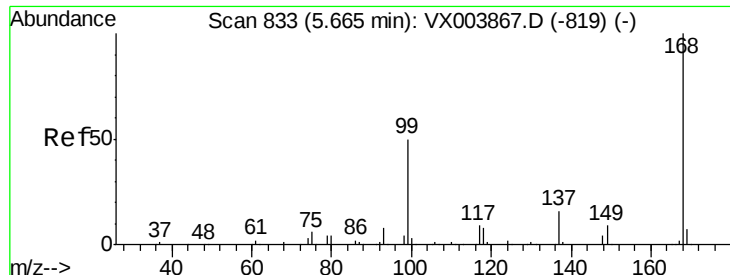
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	363884	51.18	ug/l	98
94) Hexachlorobutadiene	13.79	225	160566	51.18	ug/l	99
95) Naphthalene	13.83	128	1148123	56.39	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	373749	52.68	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 343718

Ion Ratio Lower Upper

168 100

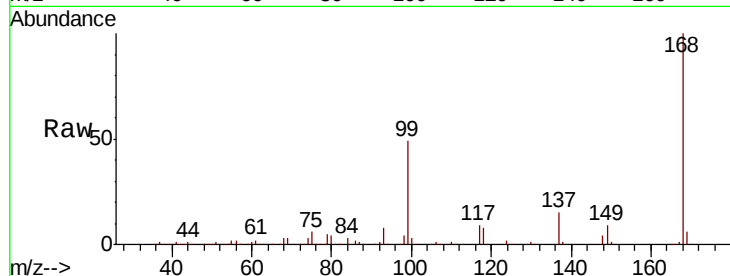
99 49.2 40.1 60.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

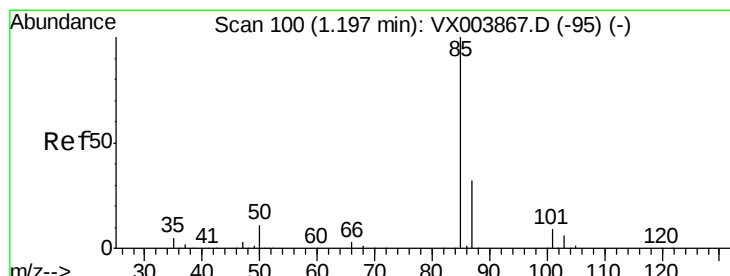
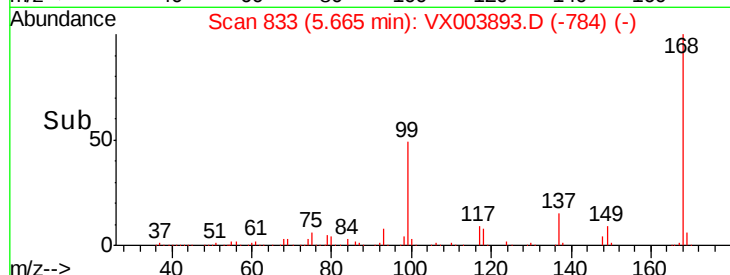
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.23 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003893.D

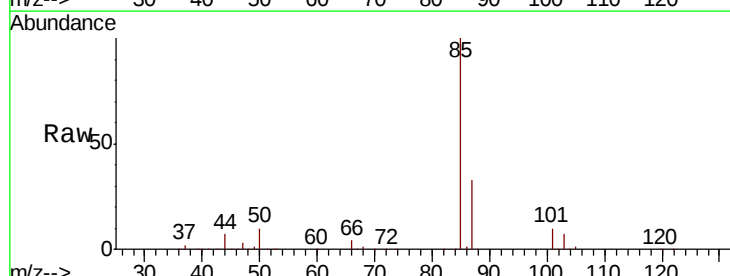
Acq: 07 Aug 2018 20:59

Tgt Ion: 85 Resp: 171495

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

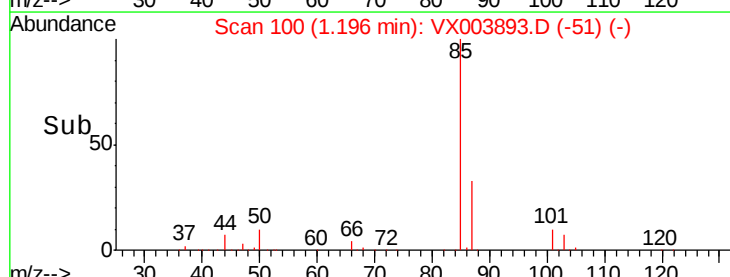
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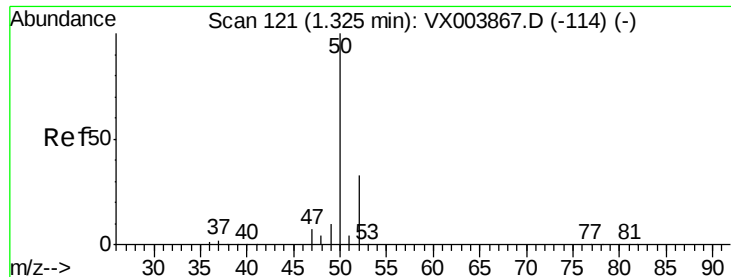
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50000

0

Time-->





#3

Chloromethane

Concen: 45.95 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 217770

Ion Ratio Lower Upper

50 100

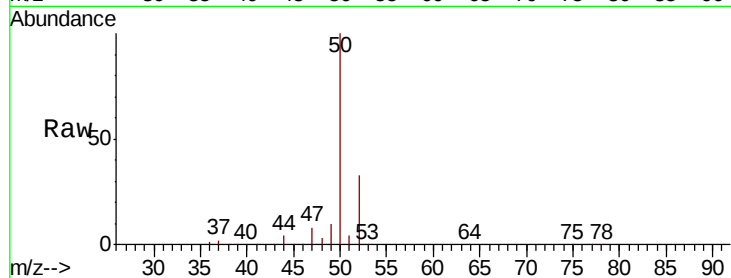
52 33.0 26.6 39.8

Manual Integrations

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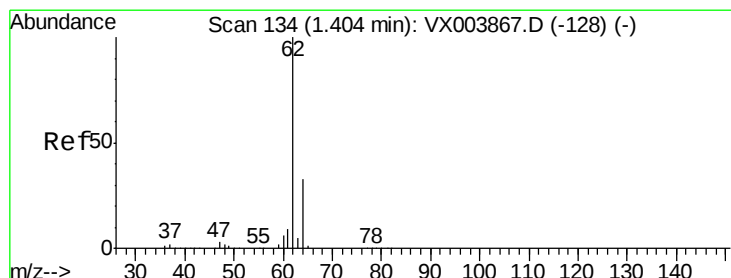
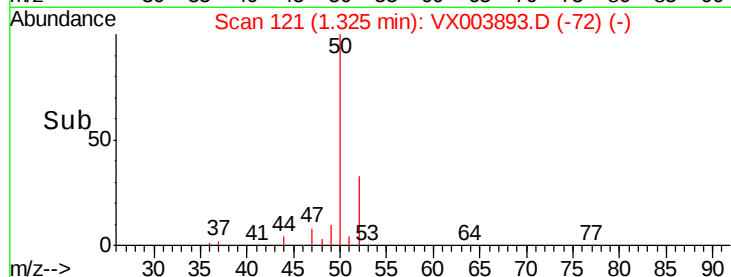
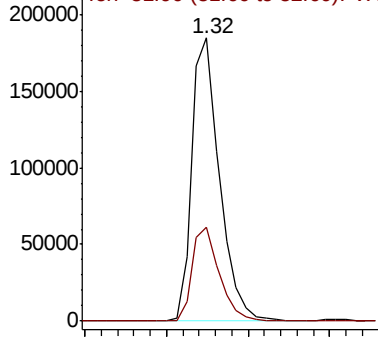
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.11 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003893.D

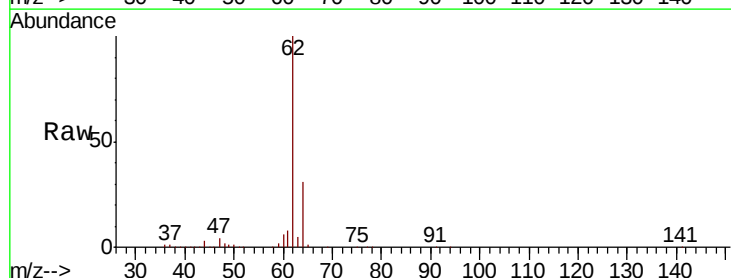
Acq: 07 Aug 2018 20:59

Tgt Ion: 62 Resp: 227376

Ion Ratio Lower Upper

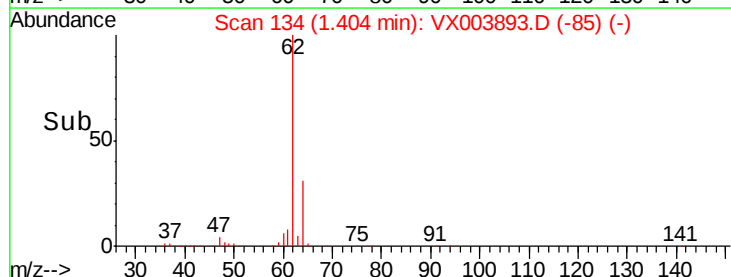
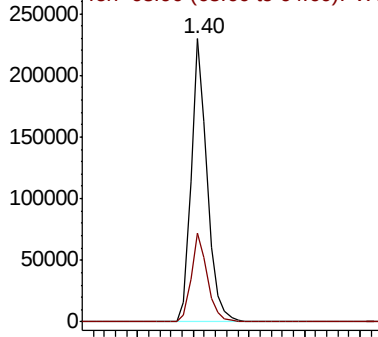
62 100

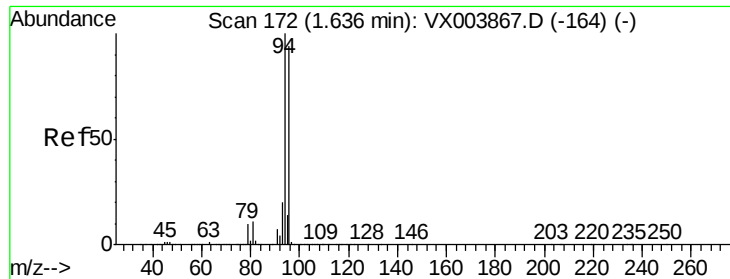
64 31.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 52.27 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 128718

Ion Ratio Lower Upper

94 100

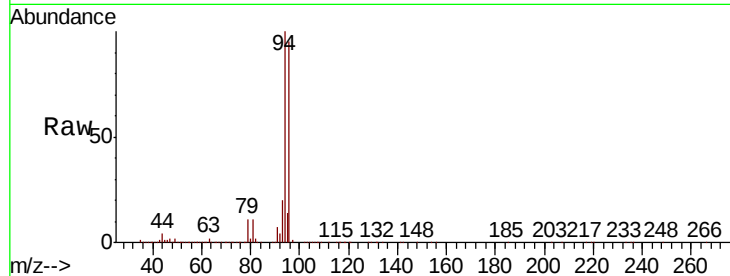
96 95.3 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

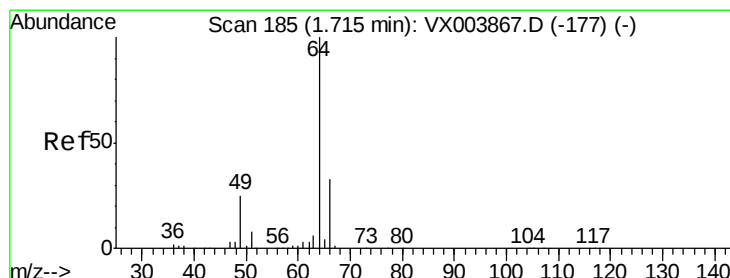
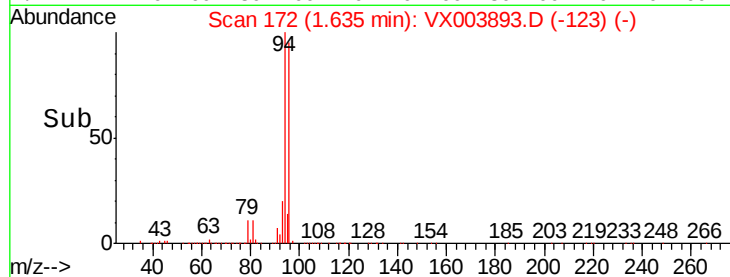
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 56.22 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX003893.D

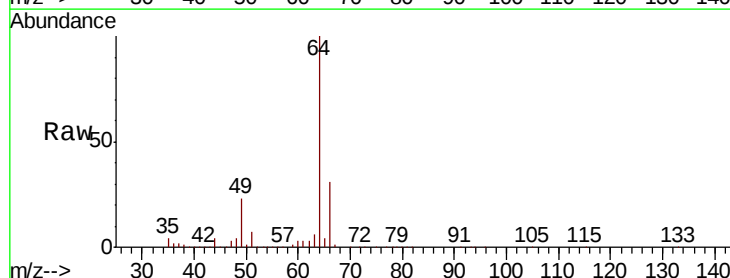
Acq: 07 Aug 2018 20:59

Tgt Ion: 64 Resp: 169994

Ion Ratio Lower Upper

64 100

66 31.1 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

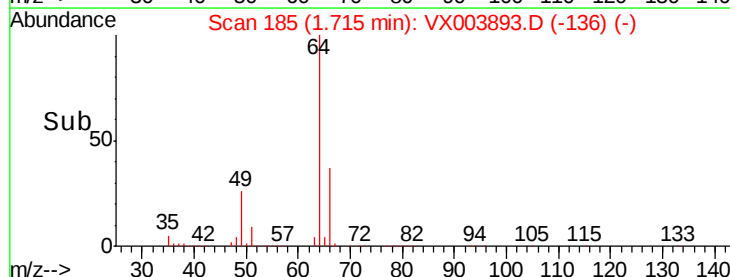
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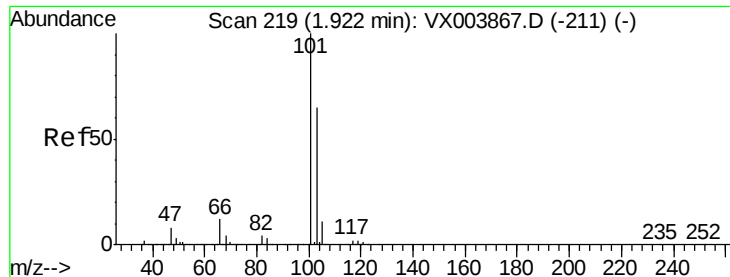
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50000

0

Time-->





#7

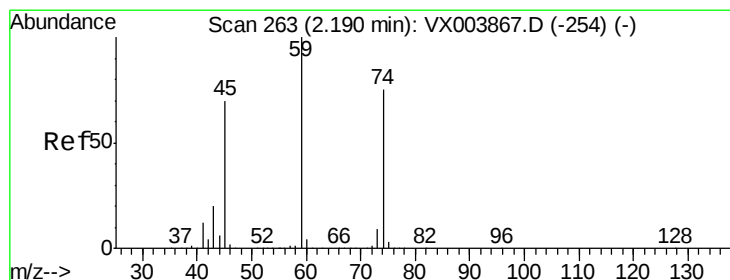
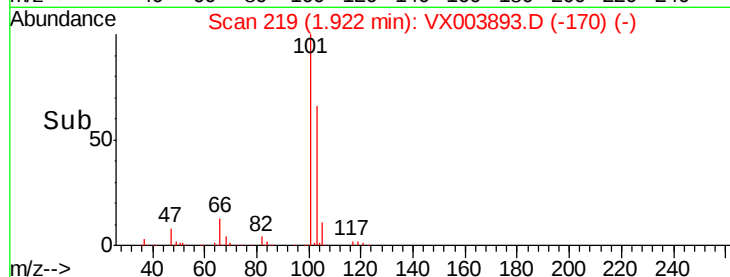
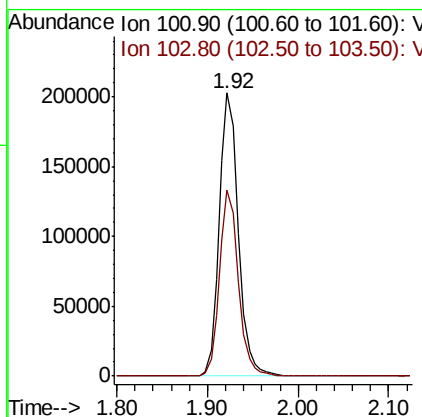
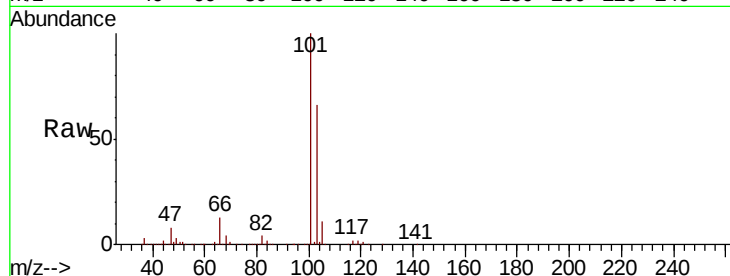
Trichlorofluoromethane
 Concen: 47.69 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.3	78.5

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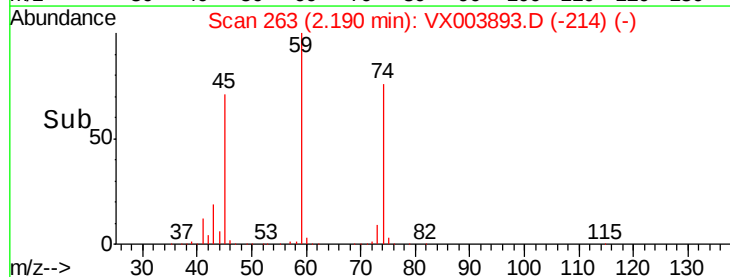
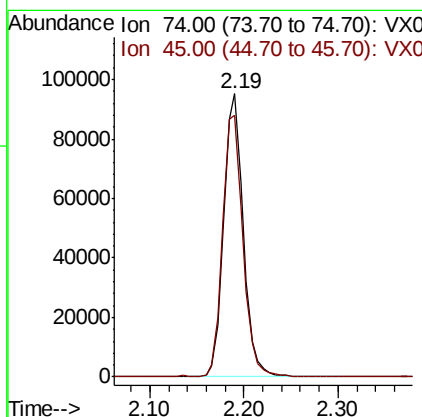
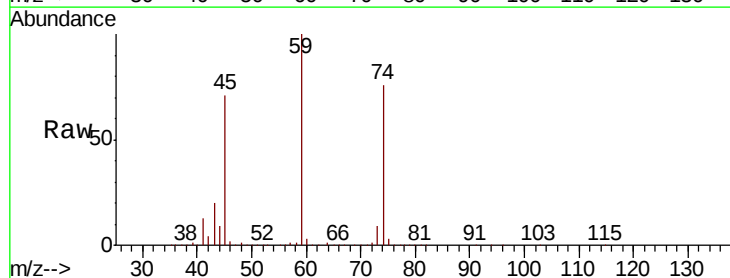
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 8/8/2018 12:02:14 PM

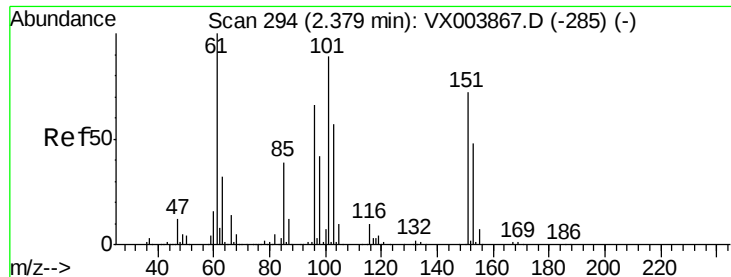


#8

Diethyl Ether
 Concen: 48.83 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.87 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

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MSVOA_X

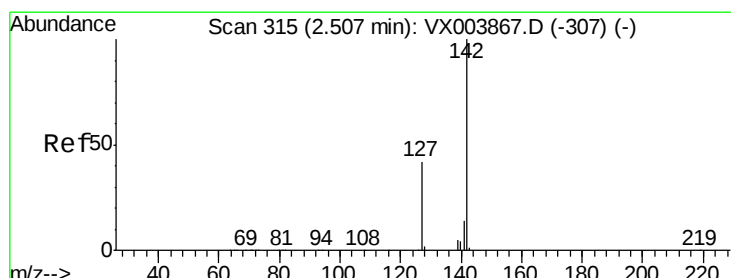
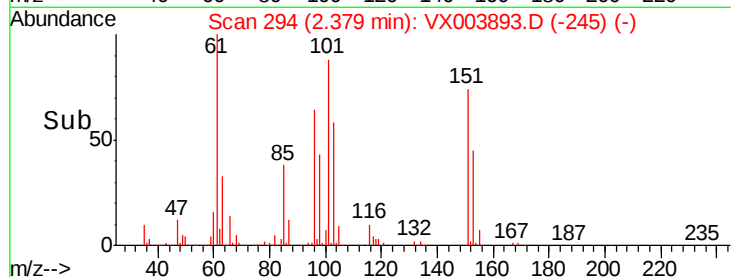
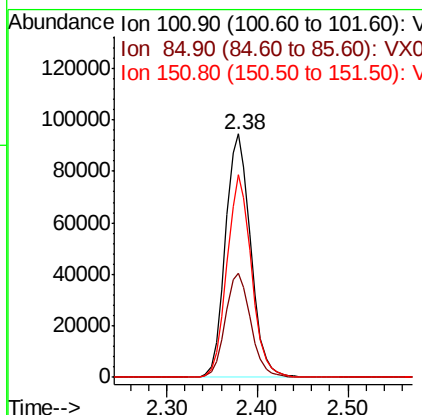
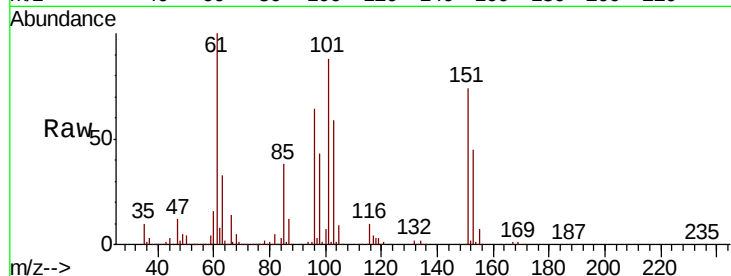
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	182821
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	80.7	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 47.31 ug/l

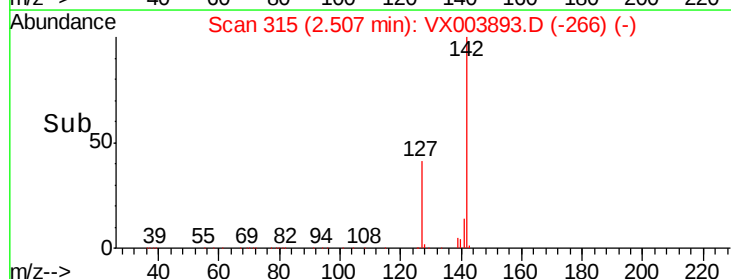
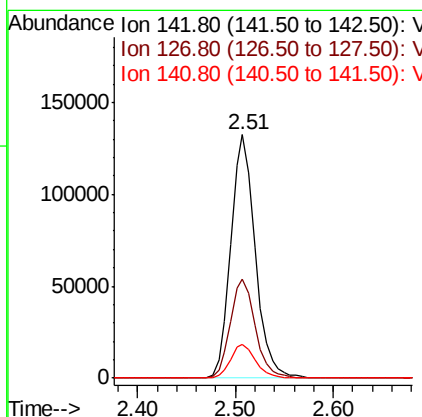
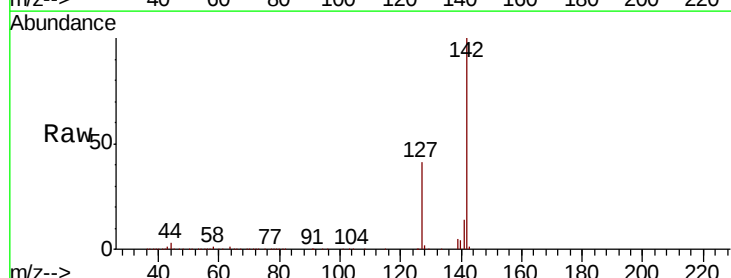
RT: 2.51 min Scan# 315

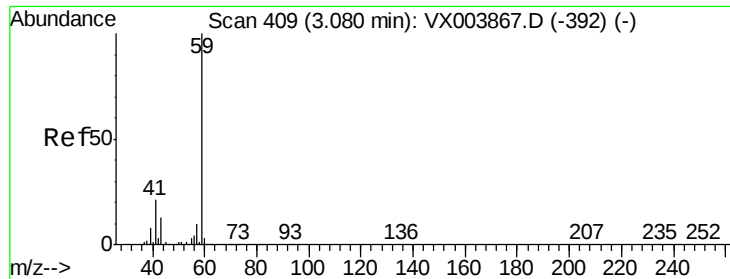
Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Tgt Ion:	142	Resp:	229532
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.1	49.7
141	14.3	11.1	16.7





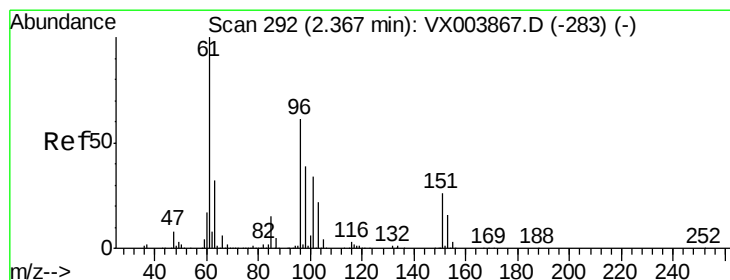
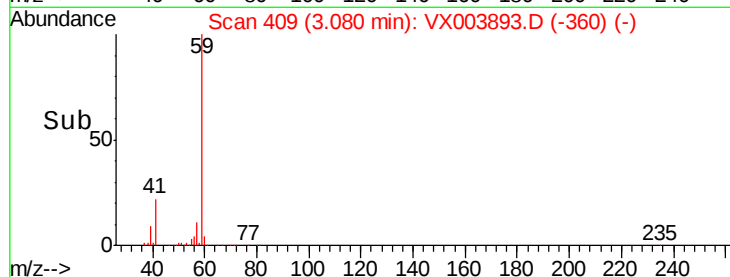
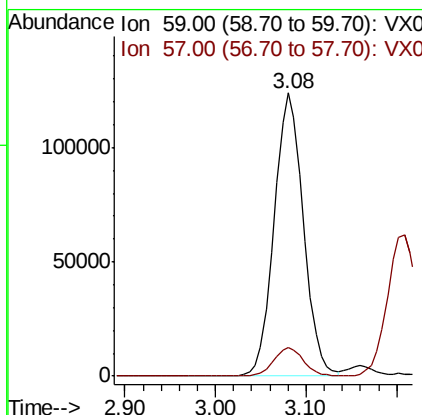
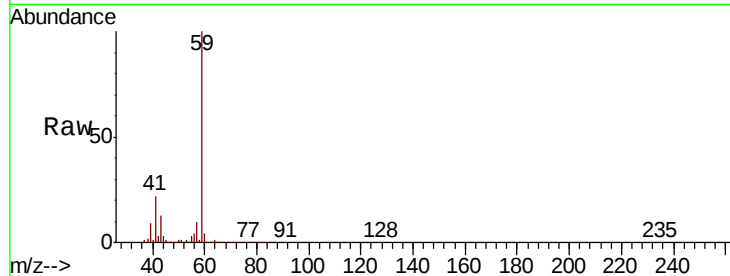
#11
Tert butyl alcohol
Concen: 252.20 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

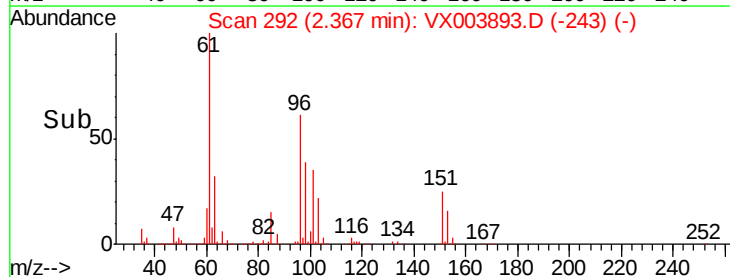
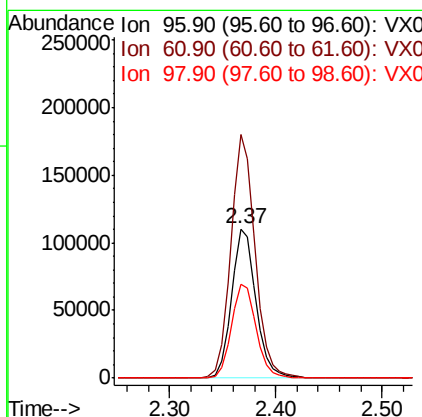
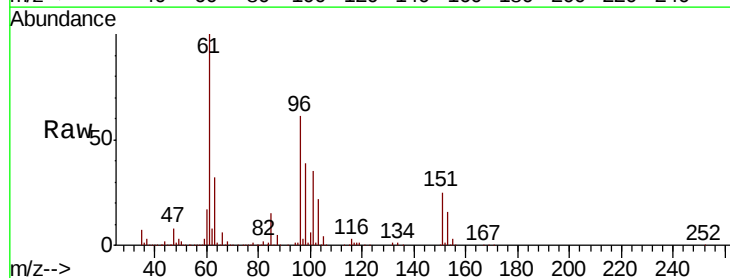
Manual Integrations
APPROVED

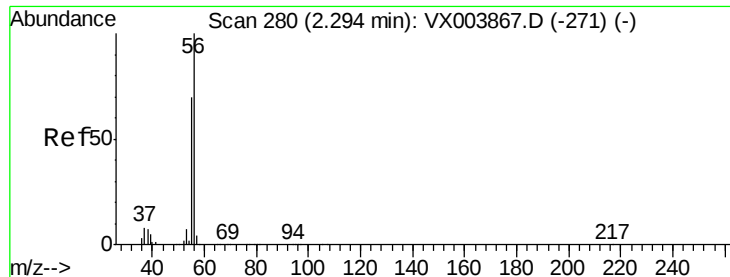
MMDadoda
8/8/2018 12:02:14 PM



#12
1,1-Dichloroethene
Concen: 47.86 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	131.3	196.9
98	63.3	51.8	77.6





#13

Acrolein

Concen: 213.17 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 120528

Ion Ratio Lower Upper

56 100

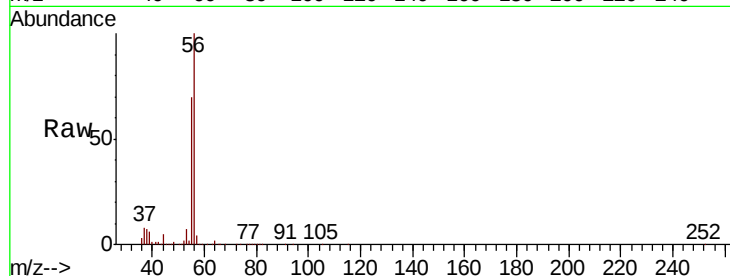
55 69.8 56.1 84.1

Manual Integrations

APPROVED

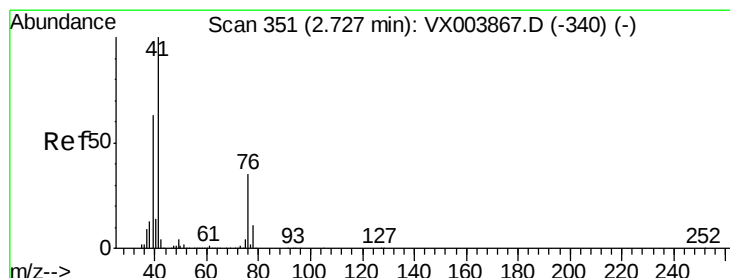
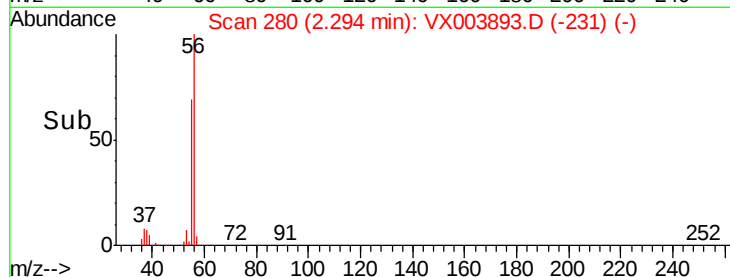
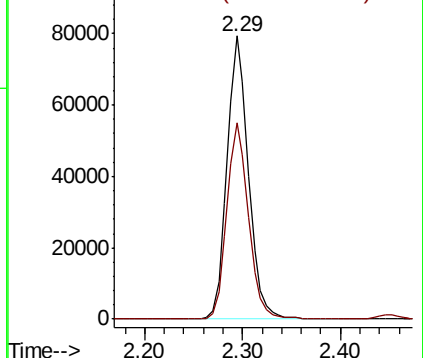
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.84 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

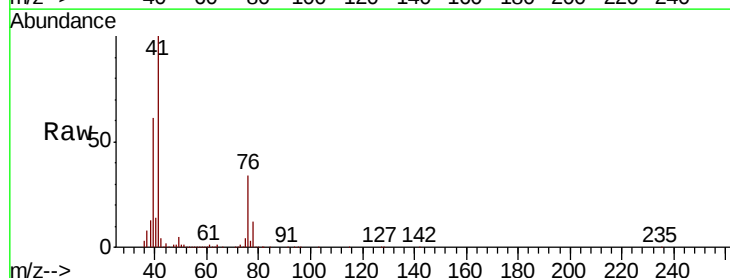
Tgt Ion: 41 Resp: 340188

Ion Ratio Lower Upper

41 100

39 59.6 47.4 71.0

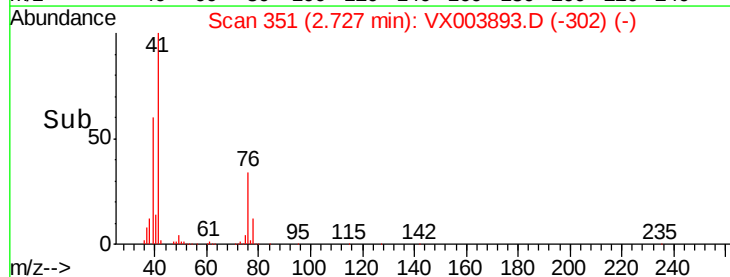
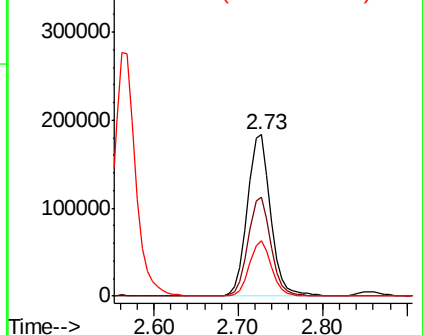
76 32.2 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 243.41 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

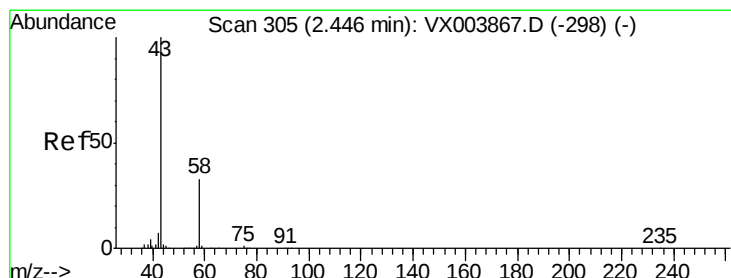
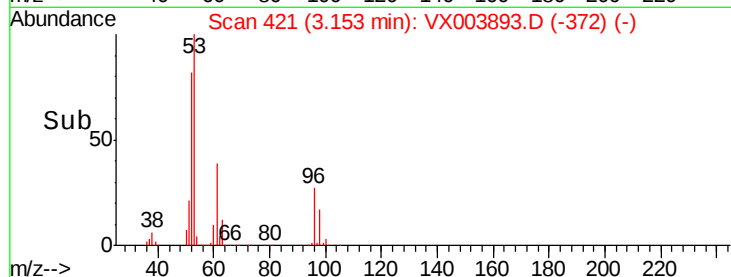
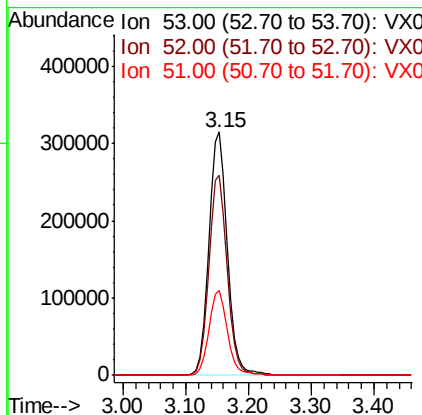
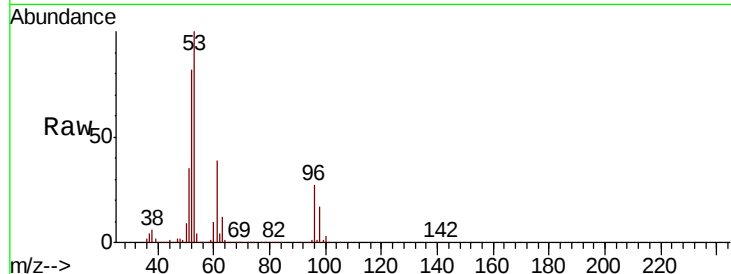
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	635919
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.3	97.9
51	35.0	27.9	41.9

Manual Integrations
APPROVED

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#16

Acetone

Concen: 238.52 ug/l

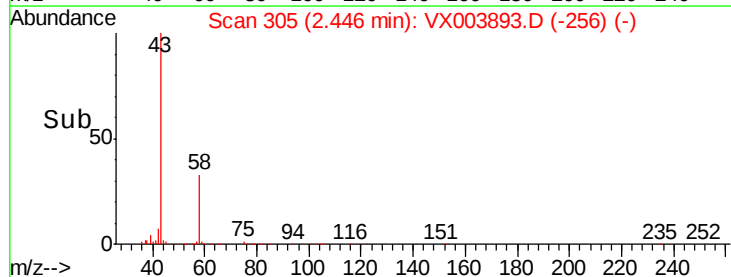
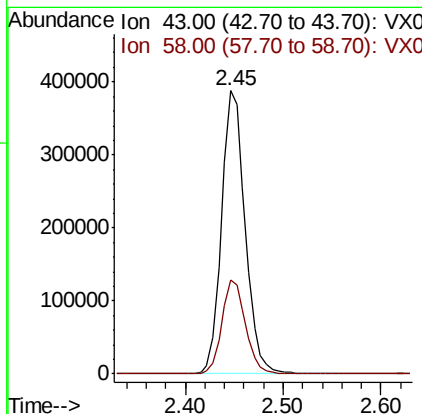
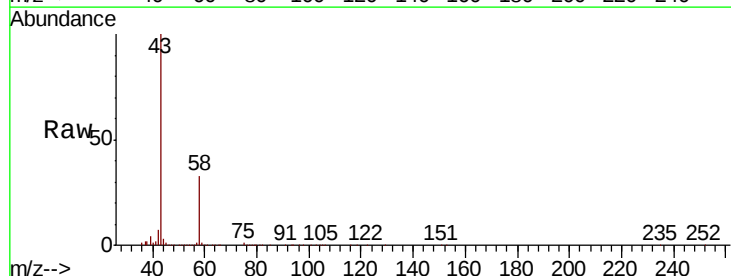
RT: 2.45 min Scan# 305

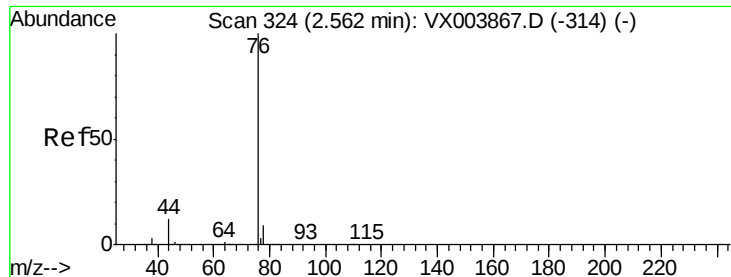
Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Tgt Ion:	43	Resp:	646531
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.4	39.6





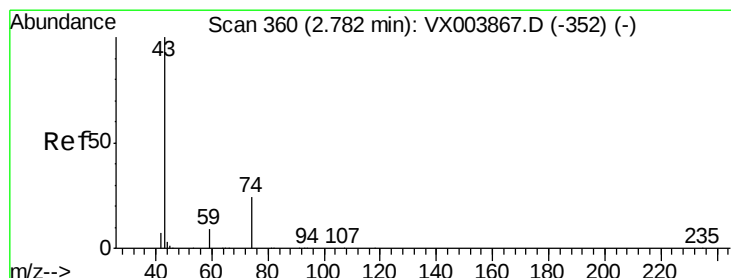
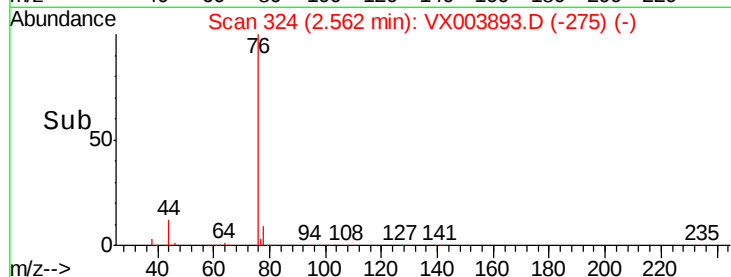
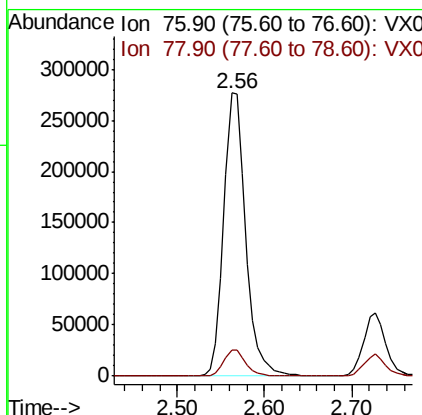
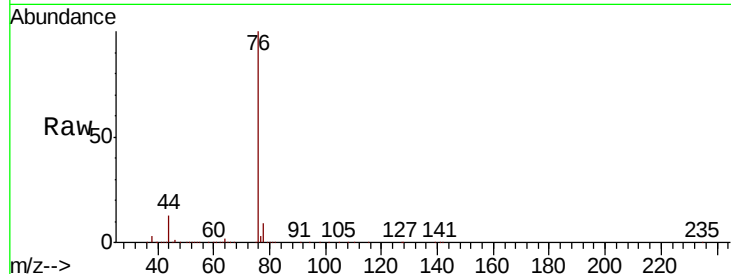
#17
Carbon Disulfide
Concen: 46.22 ug/l
RT: 2.56 min Scan# 324
Delta R.T. 0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

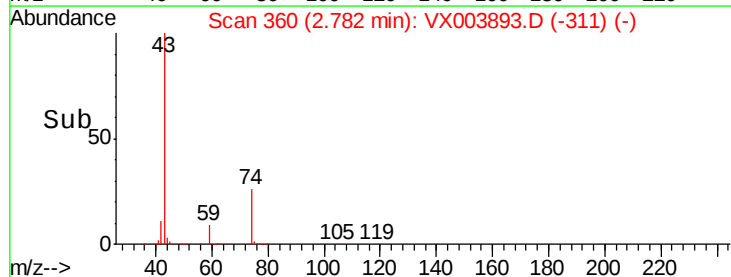
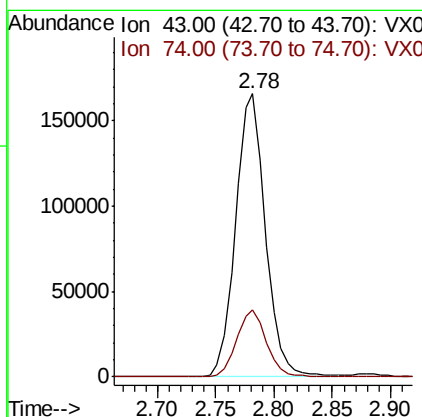
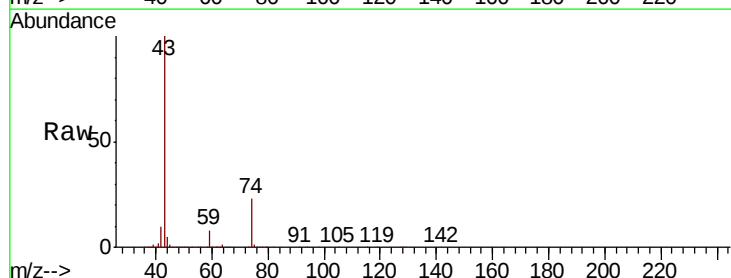
Manual Integrations
APPROVED

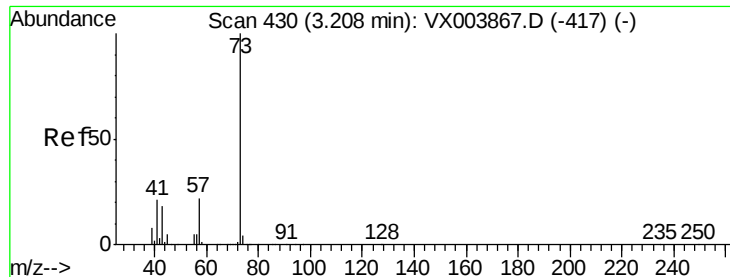
MMDadoda
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#18
Methyl Acetate
Concen: 49.84 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3





#19

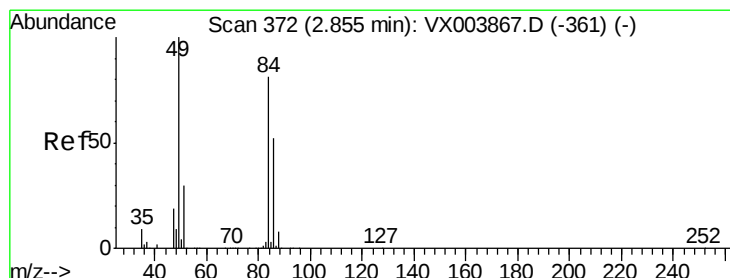
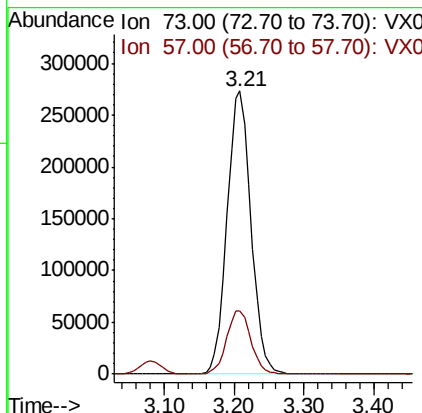
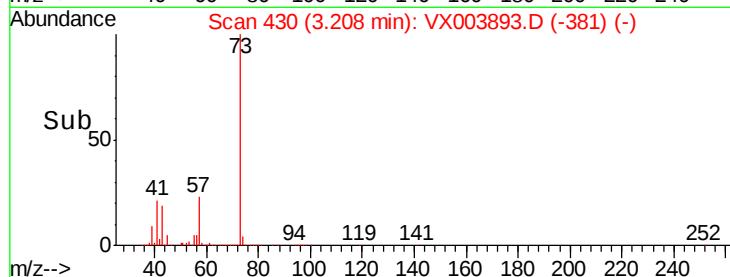
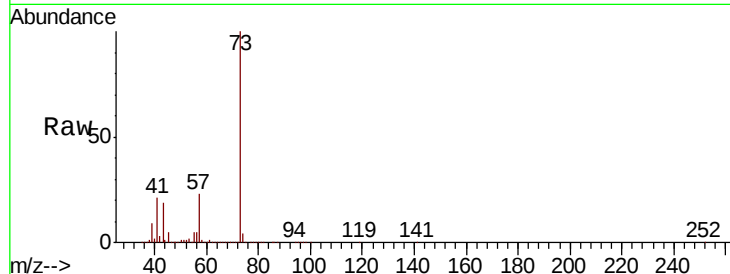
Methyl tert-butyl Ether
 Concen: 49.53 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.0	27.0

Manual Integrations
 APPROVED

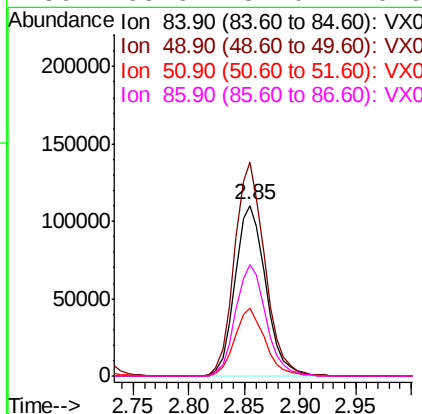
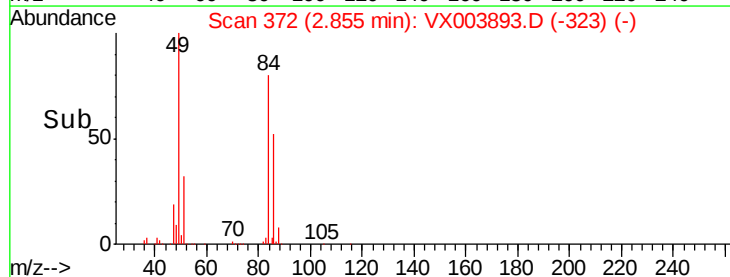
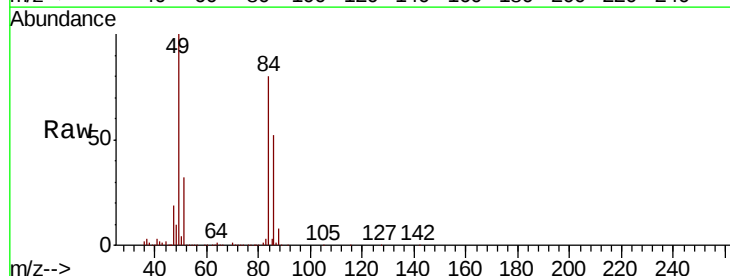
MMDadoda
 8/8/2018 12:02:14 PM

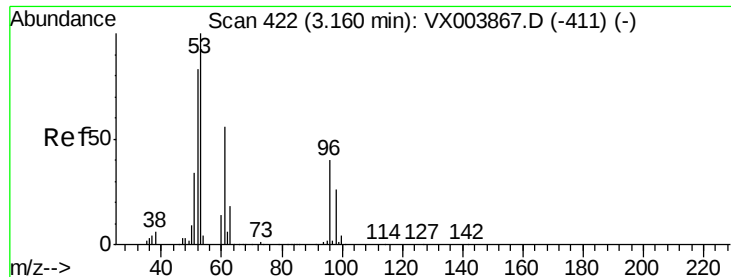


#20

Methylene Chloride
 Concen: 49.27 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.0	98.9	148.3
51	40.0	29.9	44.9
86	65.6	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 46.77 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 195879

Ion Ratio Lower Upper

96 100

61 138.5 111.8 167.6

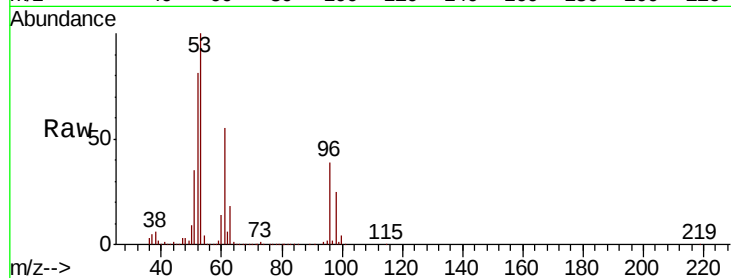
98 63.1 51.8 77.6

Manual Integrations

APPROVED

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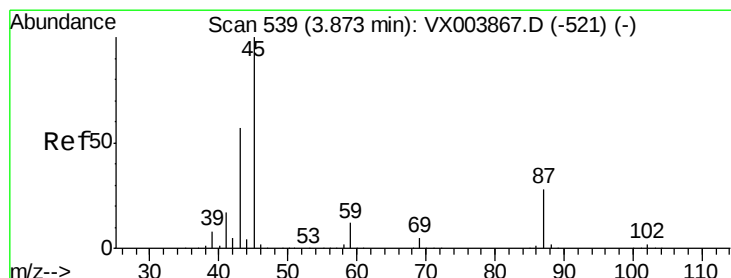
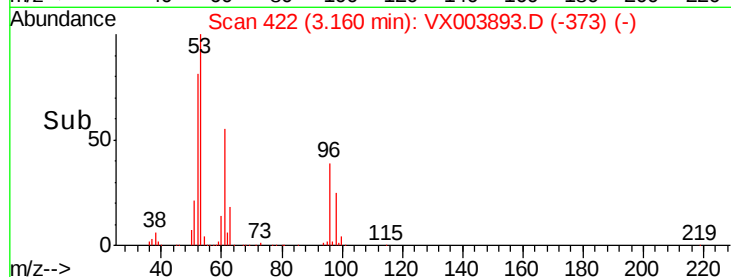
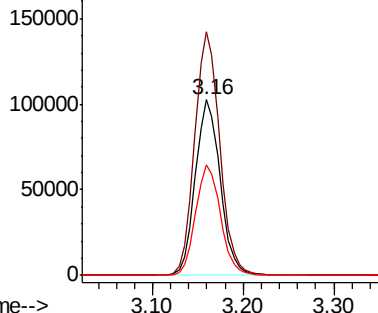
8/8/2018 12:02:14 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.51 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Tgt Ion: 45 Resp: 634196

Ion Ratio Lower Upper

45 100

43 57.0 45.3 67.9

87 27.8 22.7 34.1

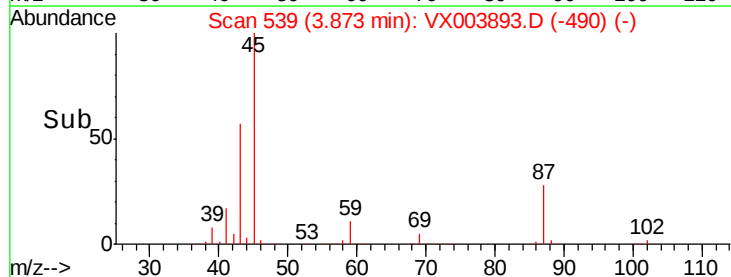
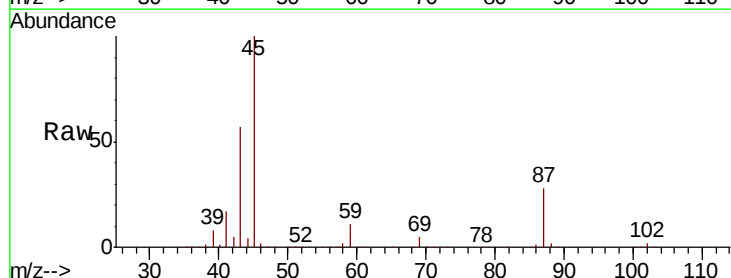
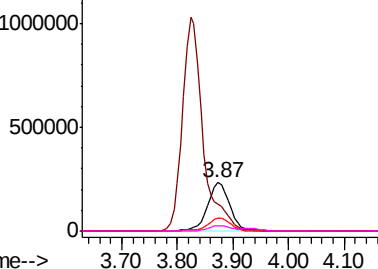
59 11.3 9.6 14.4

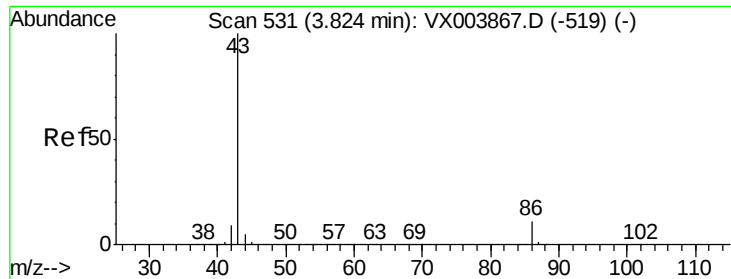
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 243.55 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2649034

Ion Ratio Lower Upper

43 100

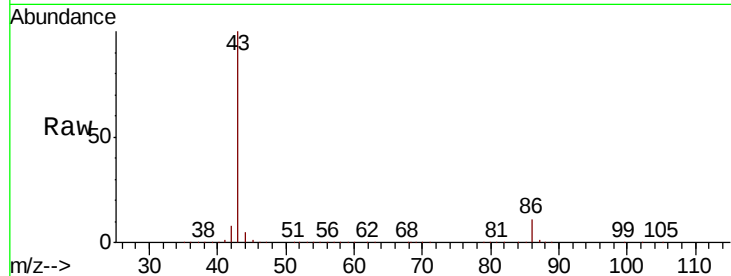
86 11.2 8.9 13.3

Manual Integrations

APPROVED

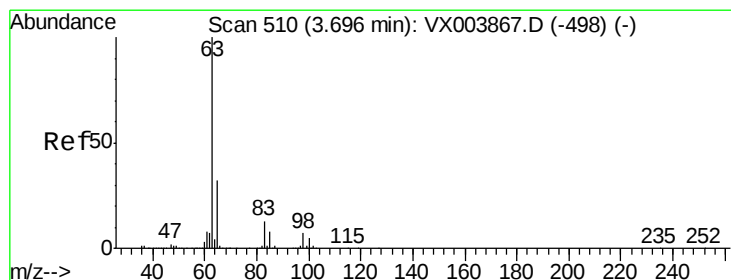
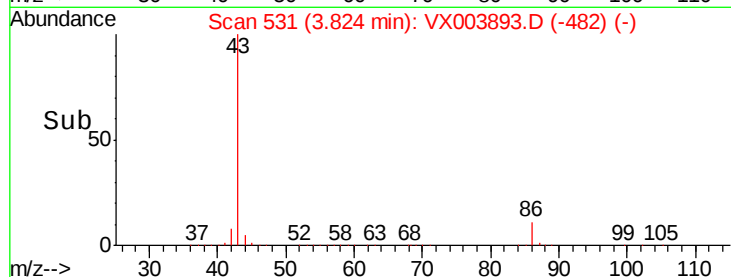
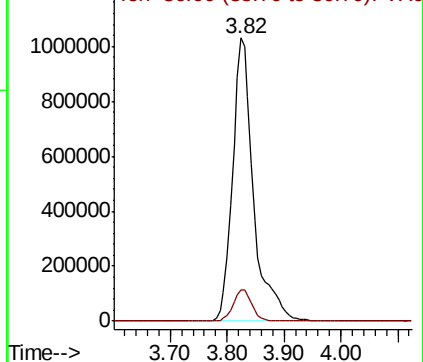
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.76 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

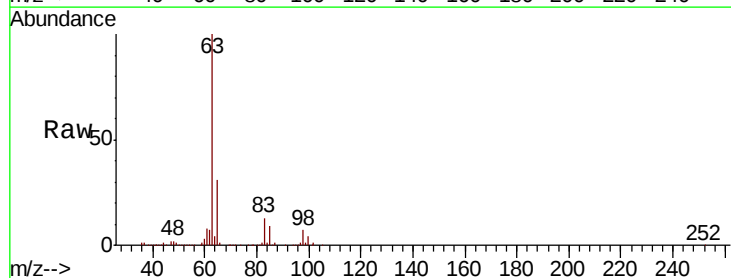
Tgt Ion: 63 Resp: 378626

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

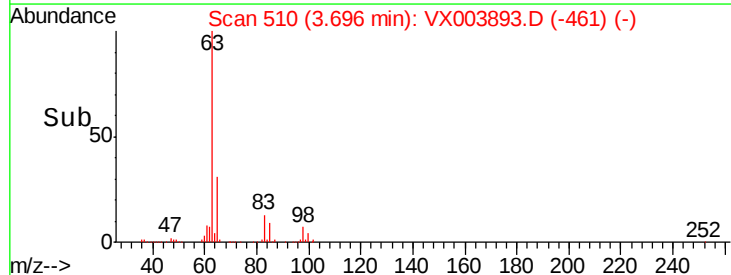
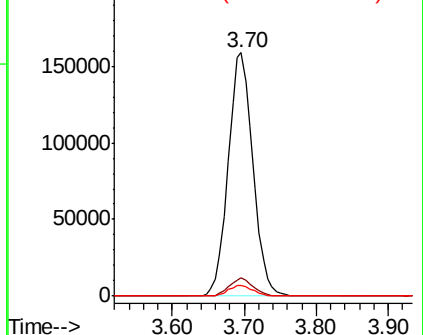
100 4.4 2.3 6.8

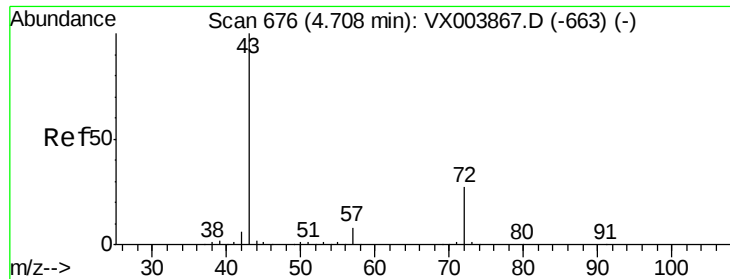


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 249.17 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1015477

Ion Ratio Lower Upper

43 100

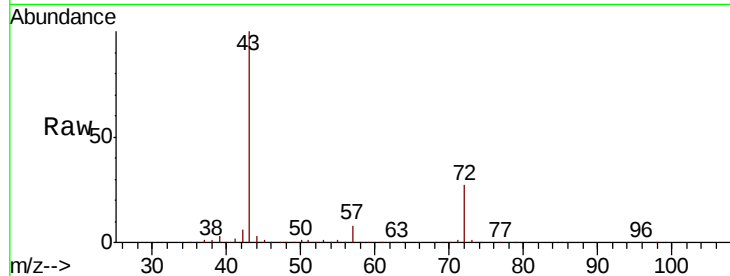
72 27.3 21.4 32.0

Manual Integrations

APPROVED

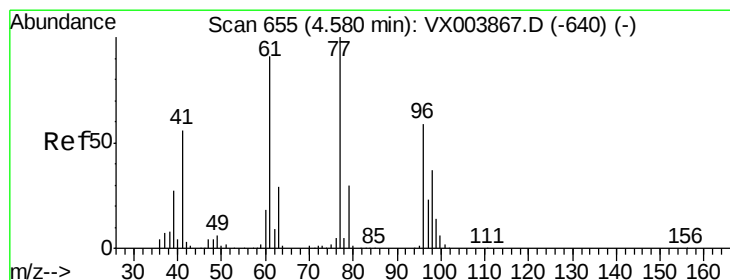
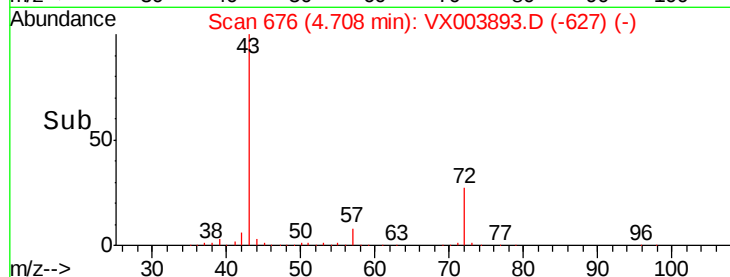
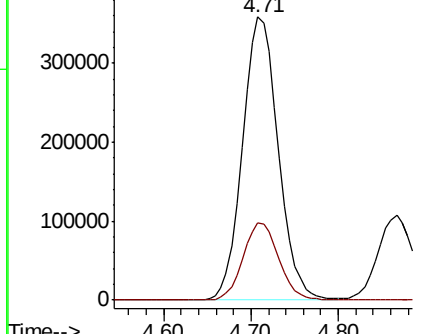
MMDadoda

8/8/2018 12:02:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 36.63 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX003893.D

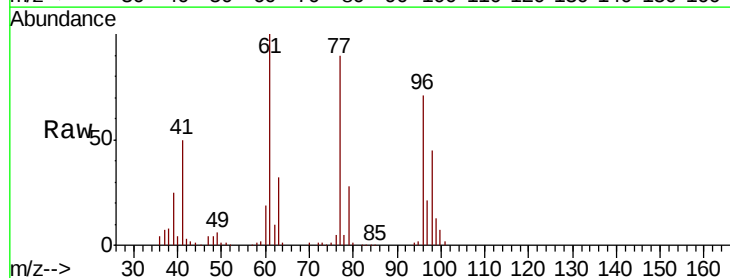
Acq: 07 Aug 2018 20:59

Tgt Ion: 77 Resp: 205129

Ion Ratio Lower Upper

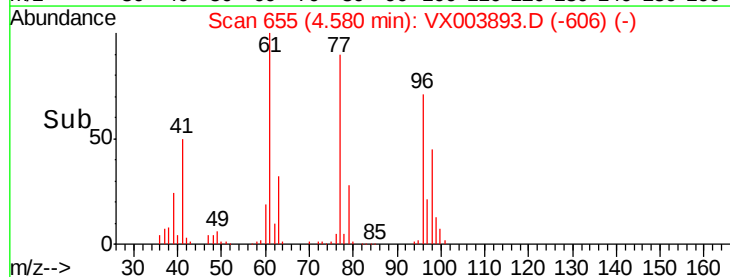
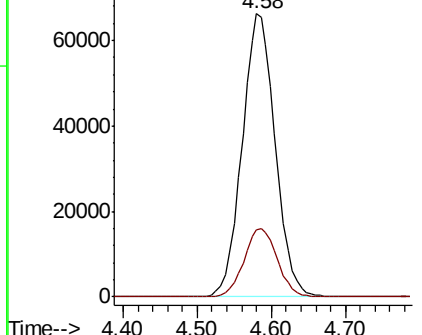
77 100

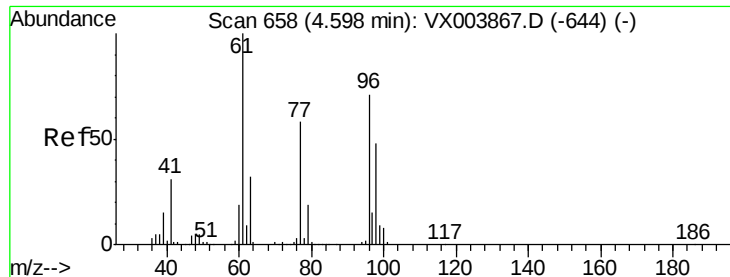
97 24.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

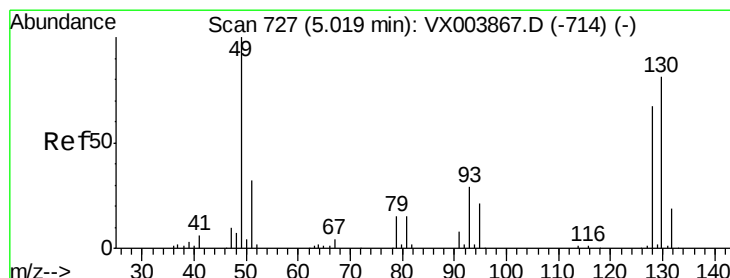
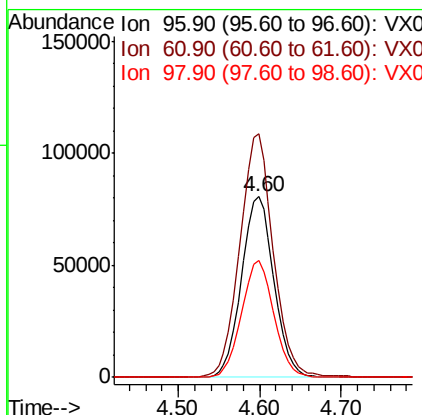
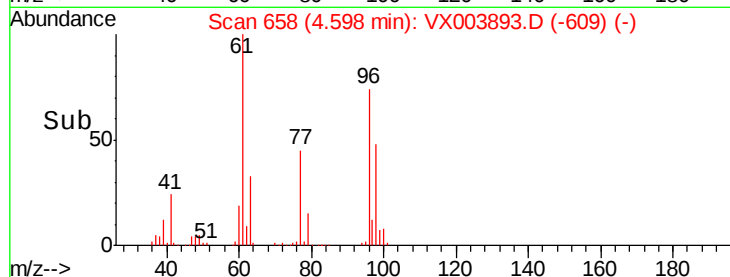
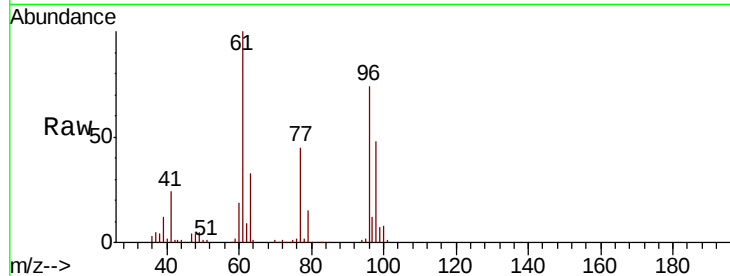
cis-1,2-Dichloroethene
 Concen: 49.09 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	223084		
61	139.2	0.0	293.0	
98	64.4	0.0	131.8	

Manual Integrations
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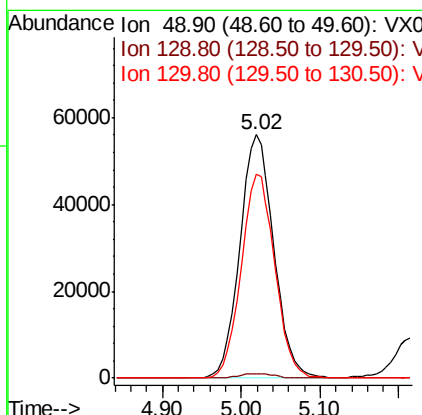
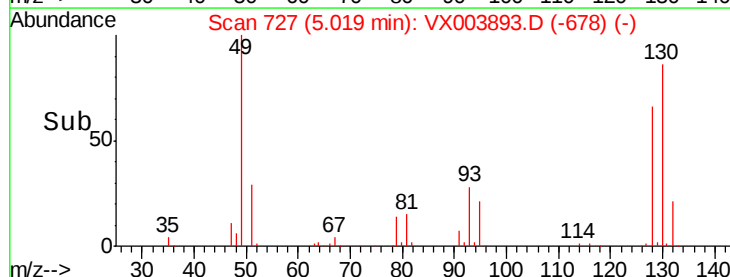
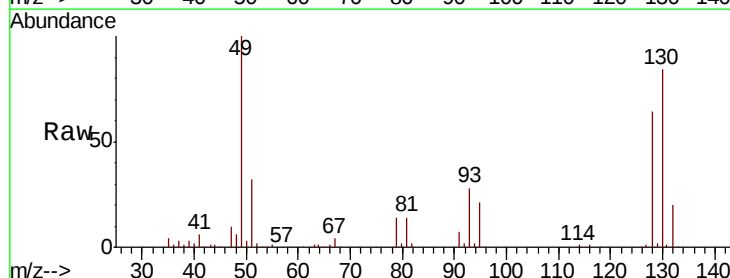
MMDadoda
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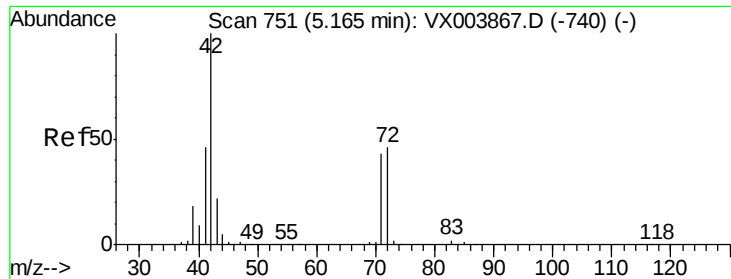


#28

Bromochloromethane
 Concen: 50.45 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167646		
129	2.0	0.0	4.2	
130	83.1	66.5	99.7	





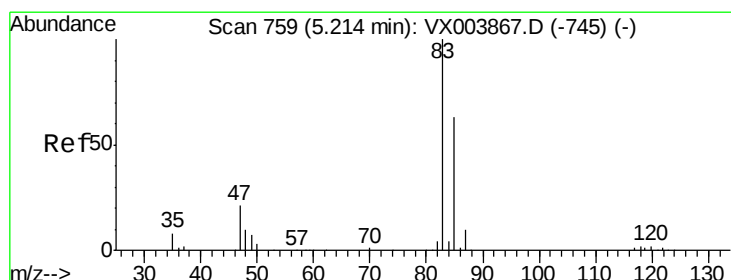
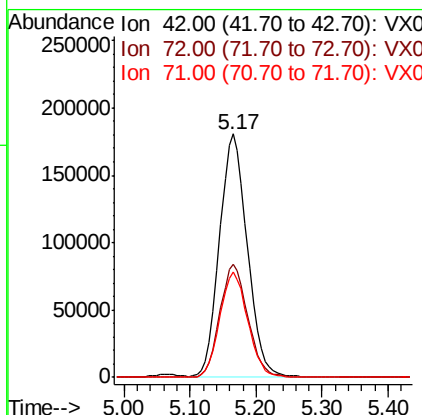
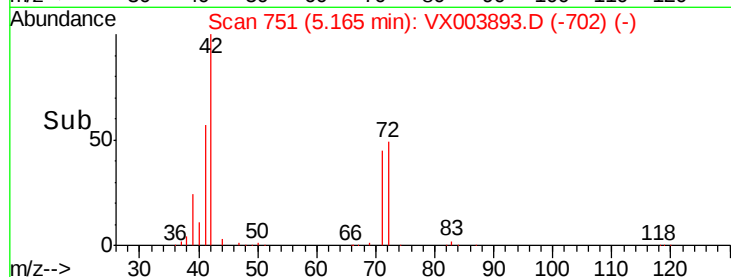
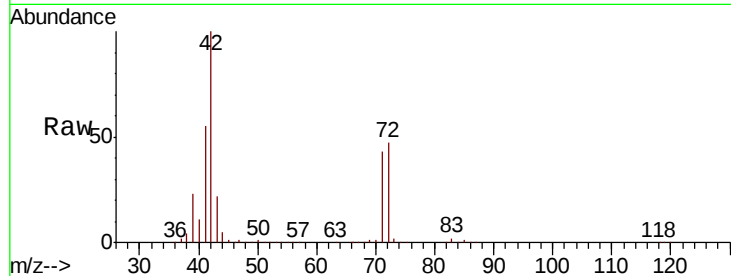
#29
Tetrahydrofuran
Concen: 250.90 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.7	56.5
71	43.5	35.0	52.6

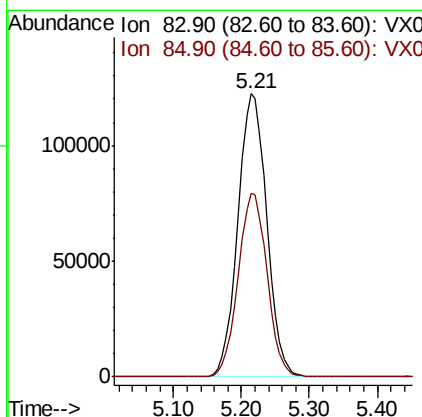
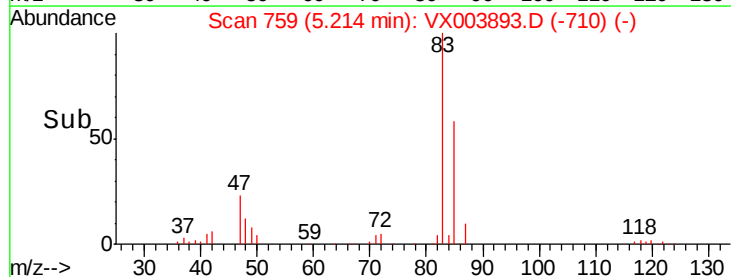
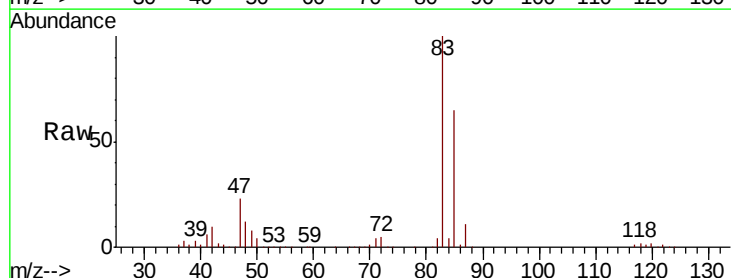
Manual Integrations
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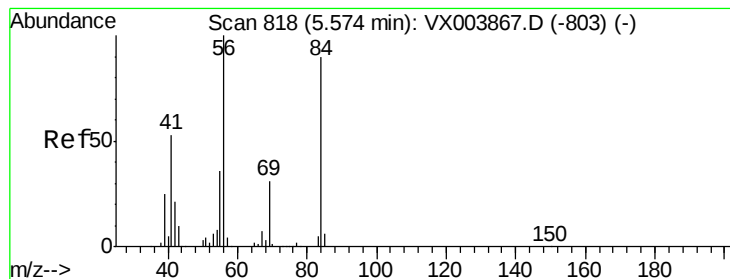
MMDadoda
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#30
Chloroform
Concen: 49.40 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.7	76.1





#31

Cyclohexane

Concen: 49.57 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

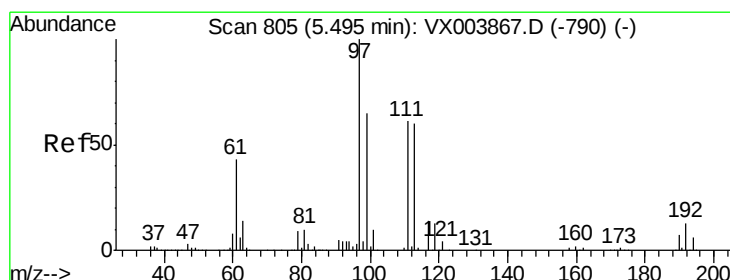
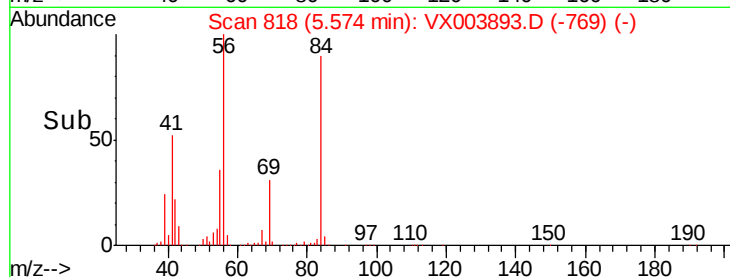
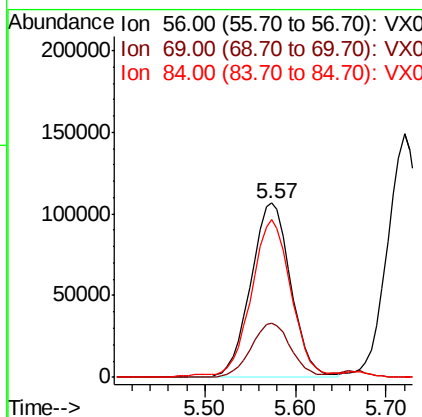
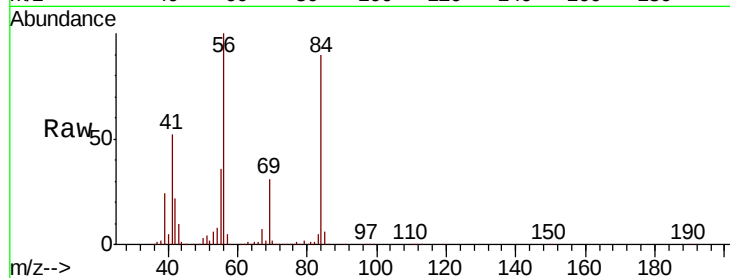
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	325495
Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.9	37.3
84	89.1	71.7	107.5

Manual Integrations
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8/8/2018 12:02:14 PM



#32

1,1,1-Trichloroethane

Concen: 49.73 ug/l

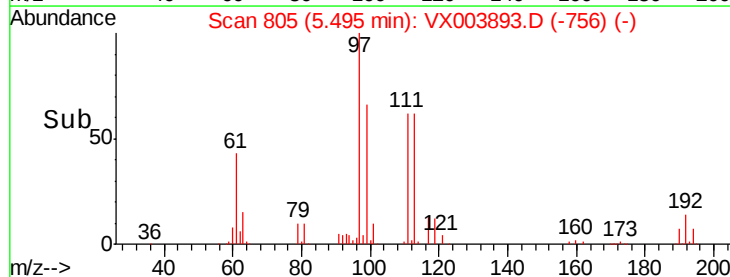
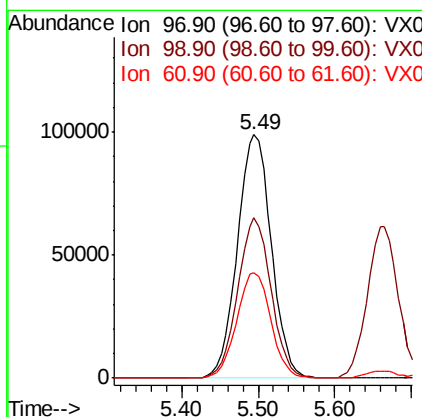
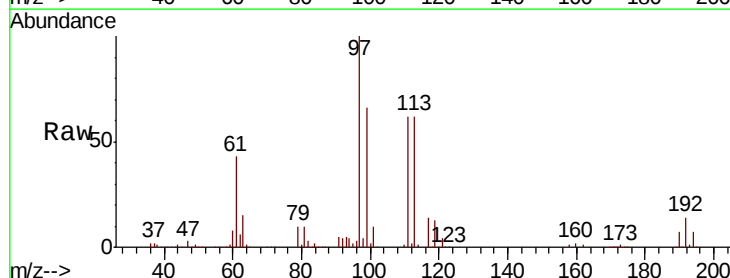
RT: 5.49 min Scan# 805

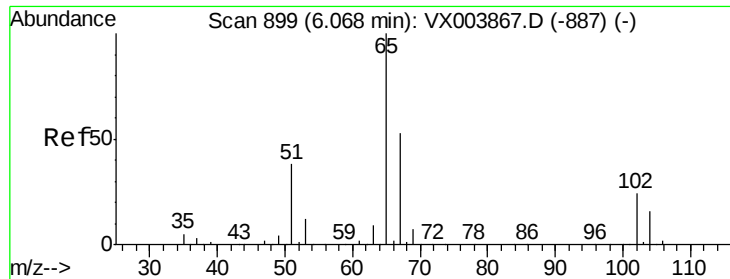
Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Tgt Ion:	97	Resp:	304833
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	43.6	34.4	51.6





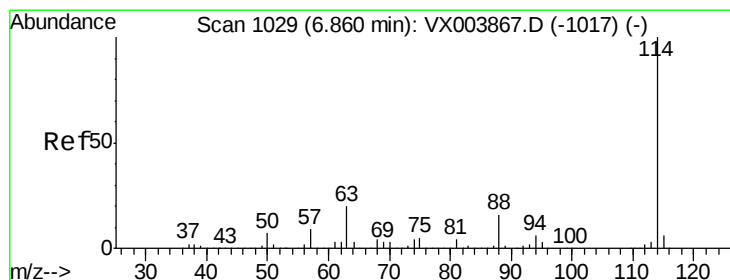
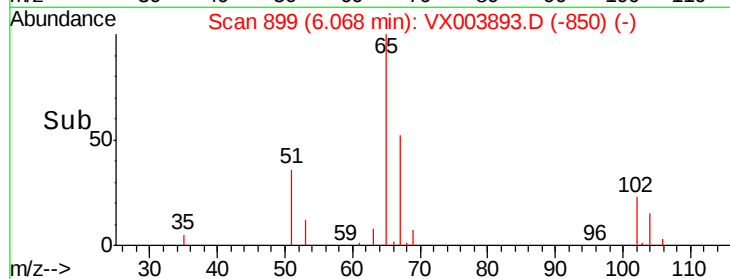
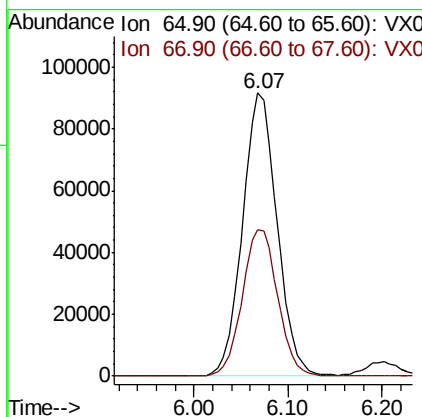
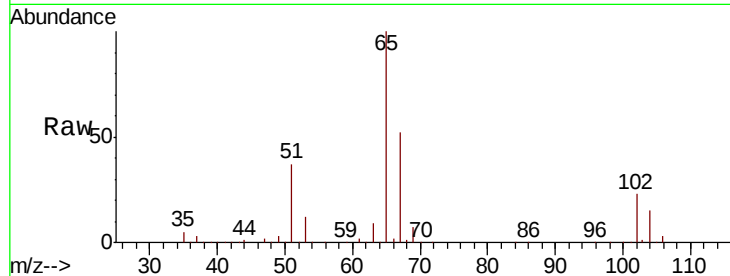
#33
 1,2-Dichloroethane-d4
 Concen: 51.65 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	235354		
67	53.4	0.0	105.8	

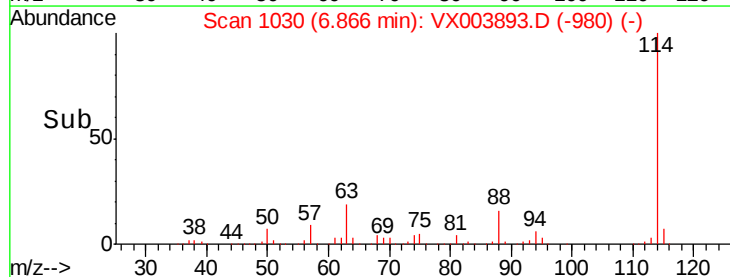
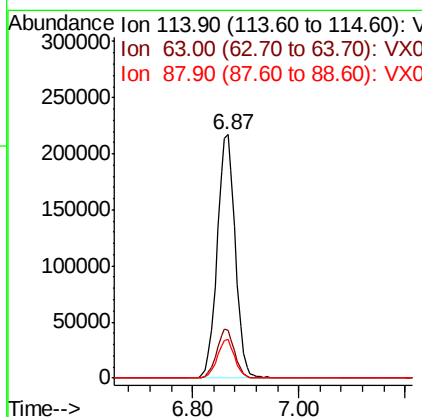
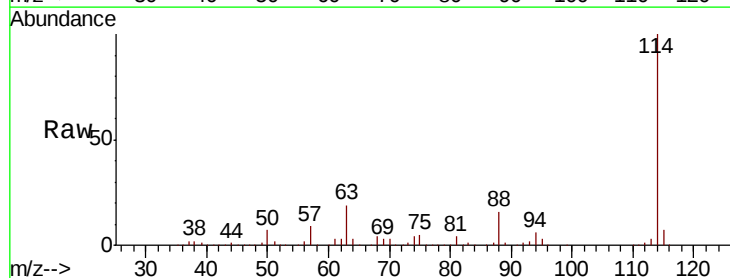
Manual Integrations
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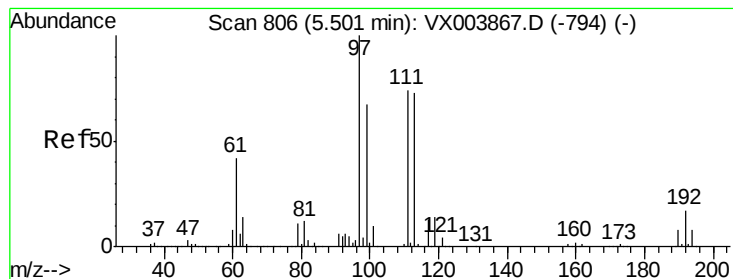
MMDadoda
 8/8/2018 12:02:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	513344		
63	19.5	0.0	39.0	
88	15.8	0.0	32.0	





#35

Dibromofluoromethane

Concen: 50.42 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

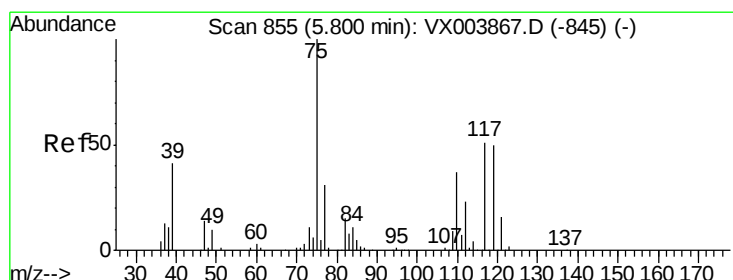
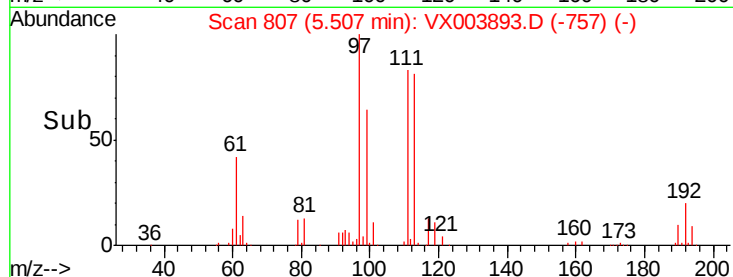
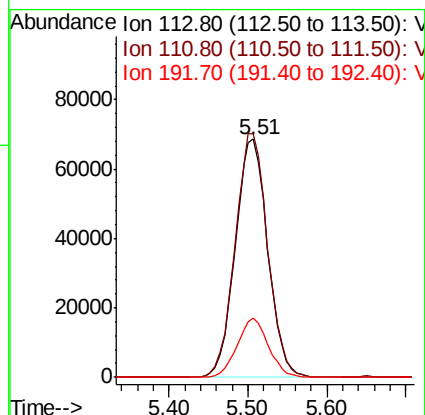
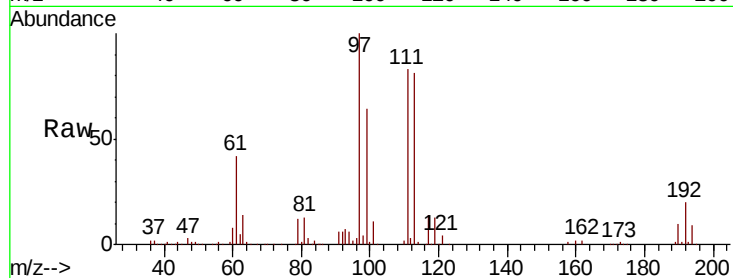
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	196081
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.0	123.0
192	23.8	19.0	28.4

Manual Integrations
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8/8/2018 12:02:14 PM



#36

1,1-Dichloropropene

Concen: 47.70 ug/l

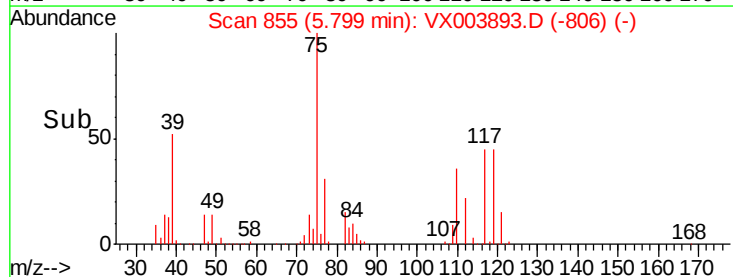
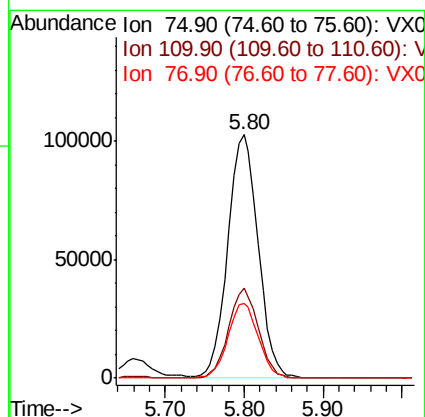
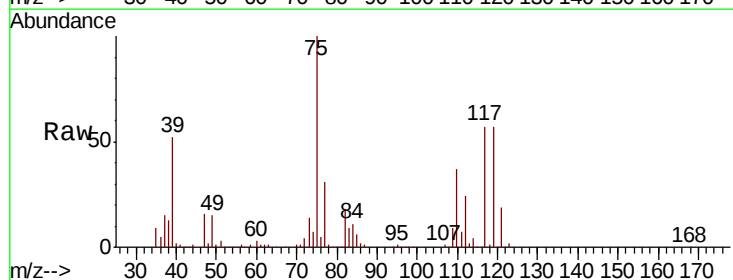
RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Tgt Ion:	75	Resp:	274245
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.2	54.6
77	31.1	25.0	37.4





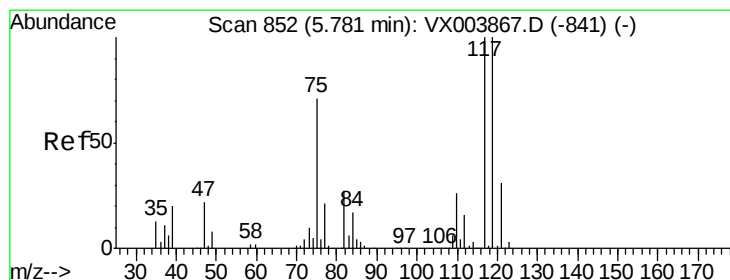
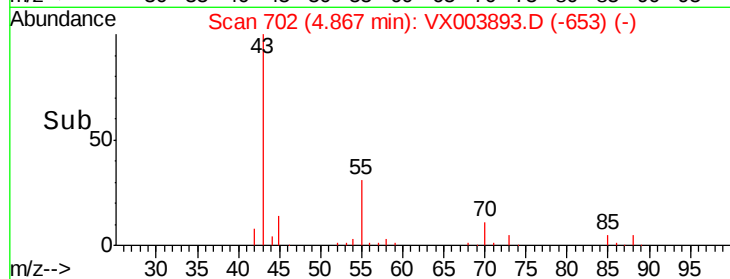
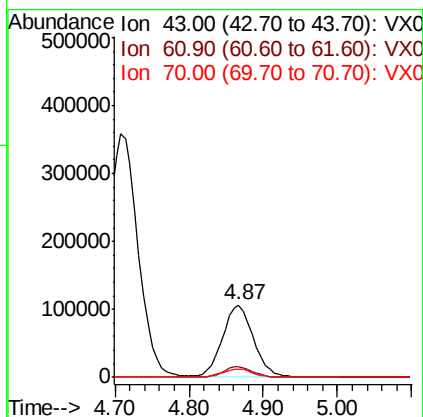
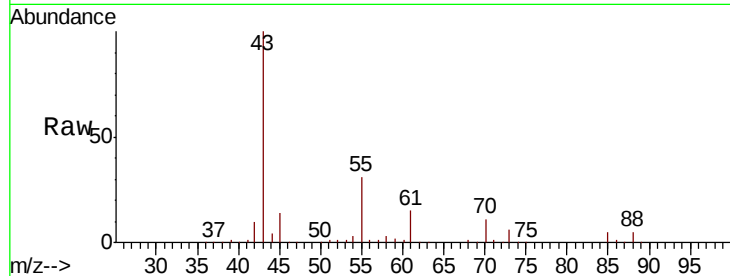
#37
Ethyl Acetate
Concen: 48.76 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	308395
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.4	9.0	13.4

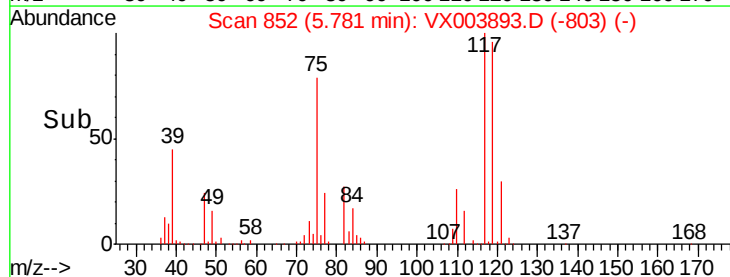
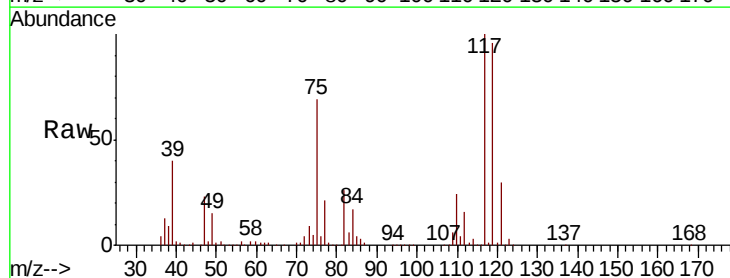
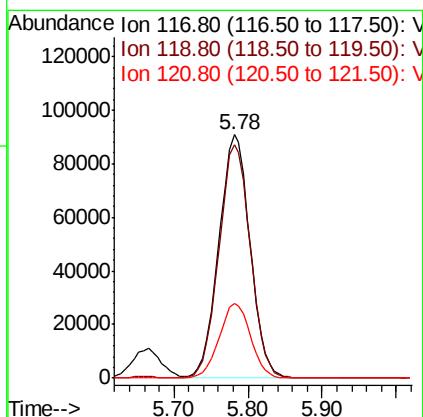
Manual Integrations
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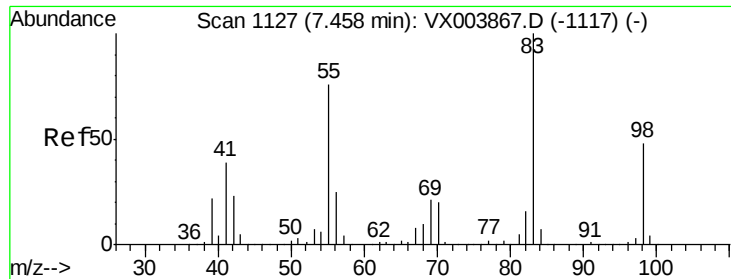
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#38
Carbon Tetrachloride
Concen: 48.40 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion:	117	Resp:	264883
Ion	Ratio	Lower	Upper
117	100		
119	96.0	79.5	119.3
121	30.5	25.0	37.4





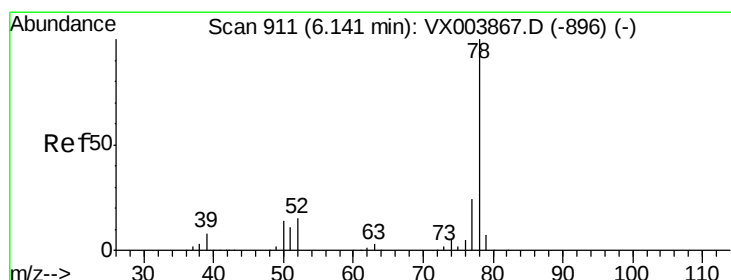
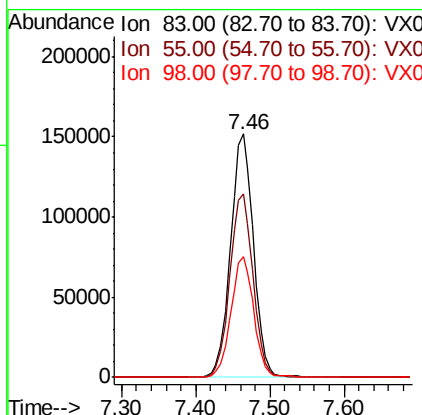
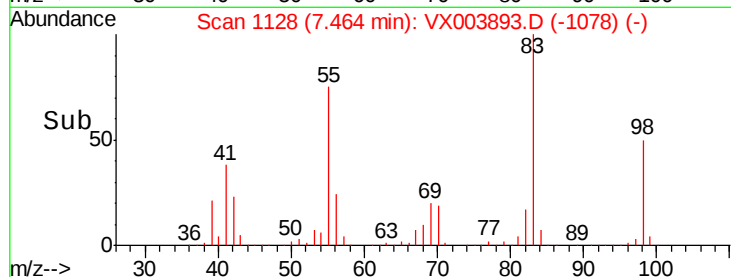
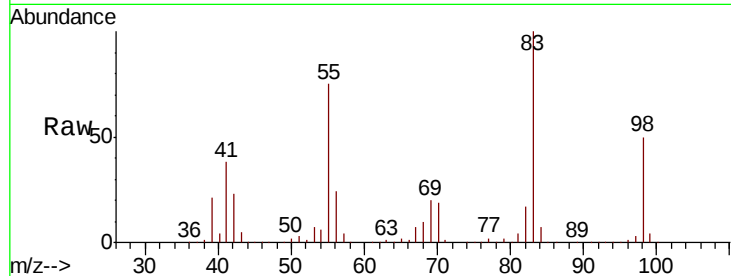
#39
Methvlcvclohexane
Concen: 48.32 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.0	91.6
98	49.7	38.6	57.8

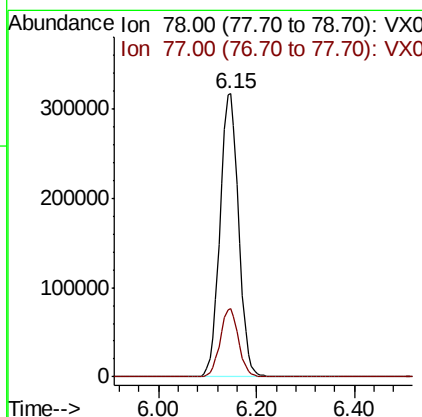
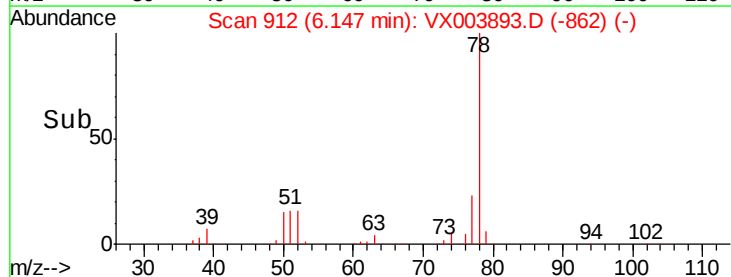
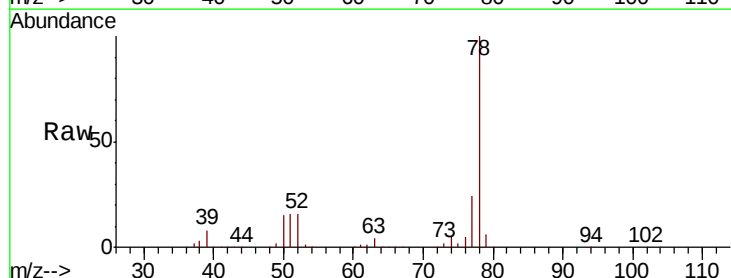
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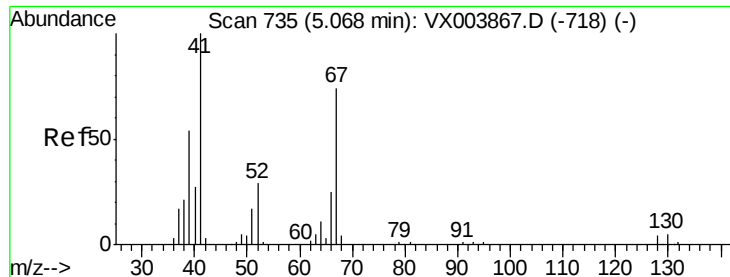
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#40
Benzene
Concen: 48.49 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





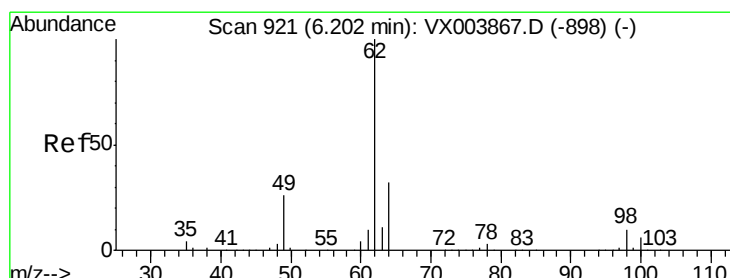
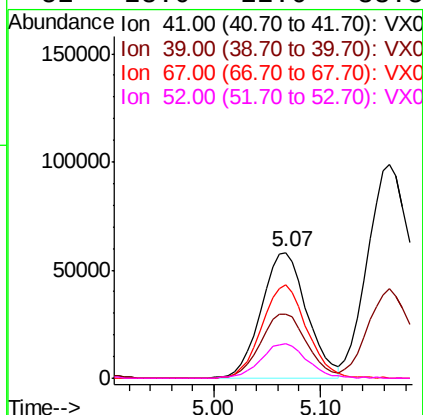
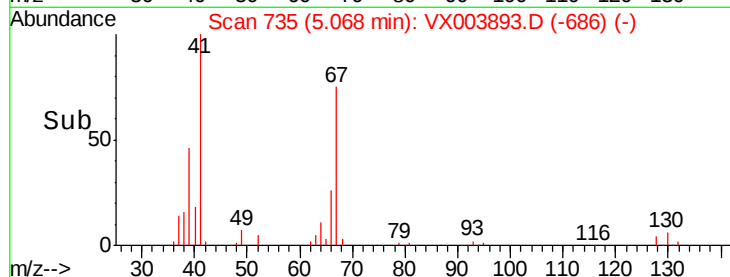
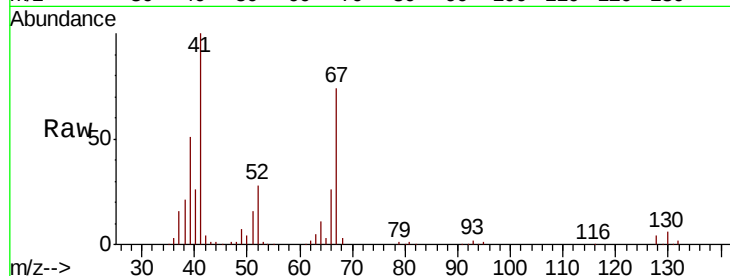
#41
Methacrylonitrile
Concen: 49.67 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.7	64.1	
67	73.2	58.9	88.3	
52	28.0	22.6	33.8	

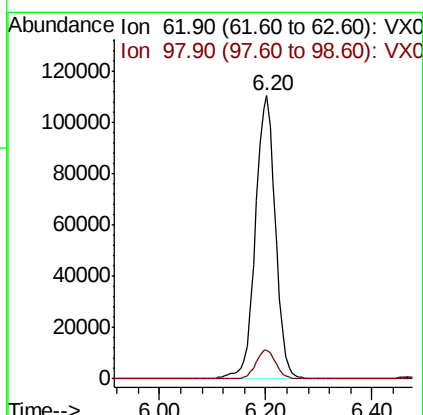
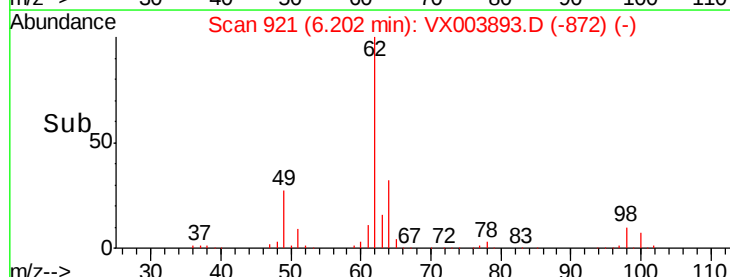
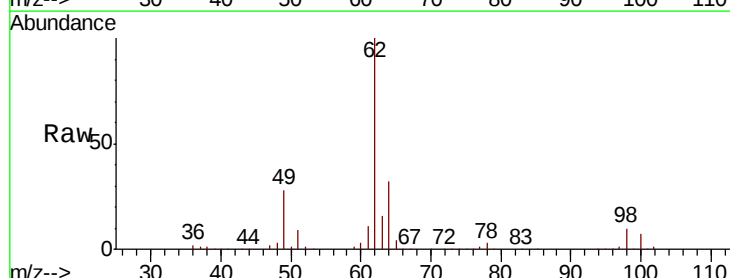
Manual Integrations
APPROVED

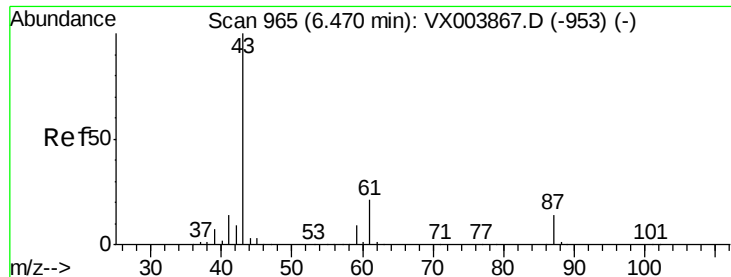
MMDadoda
8/8/2018 12:02:14 PM



#42
1,2-Dichloroethane
Concen: 48.88 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.4	





#43

Isopropyl Acetate

Concen: 49.97 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

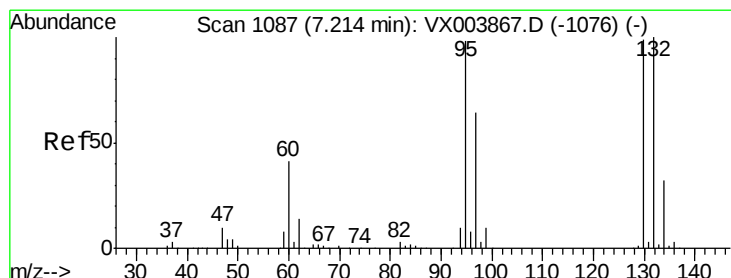
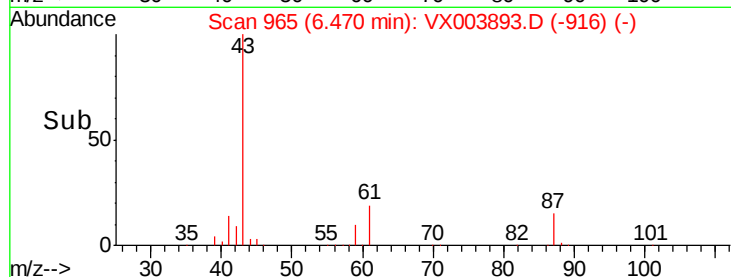
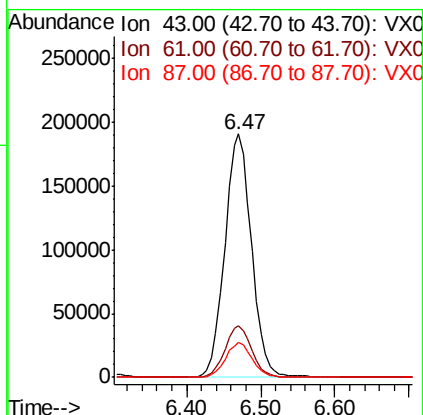
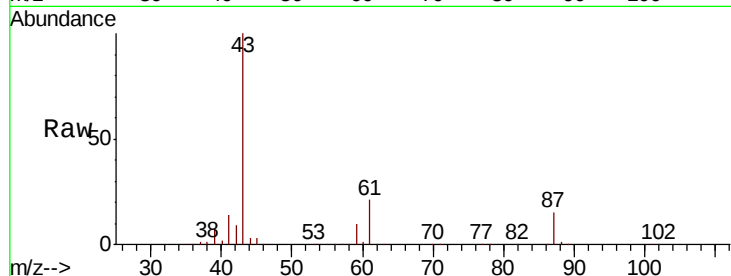
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	475584
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.9	25.3
87	14.2	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 47.10 ug/l

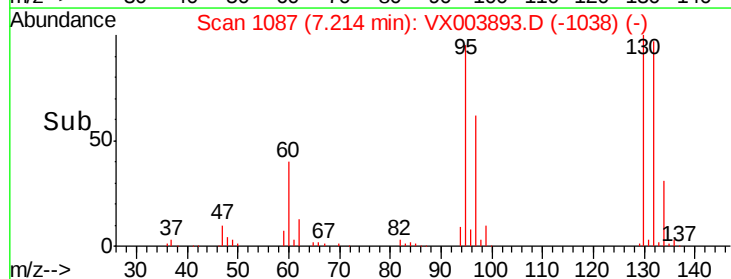
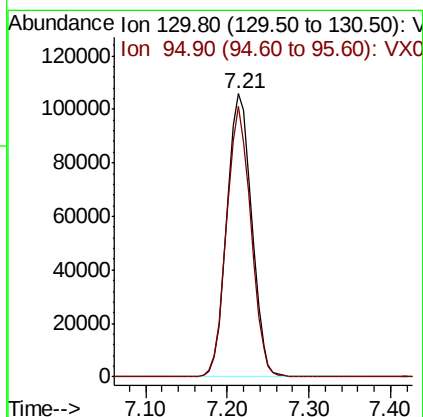
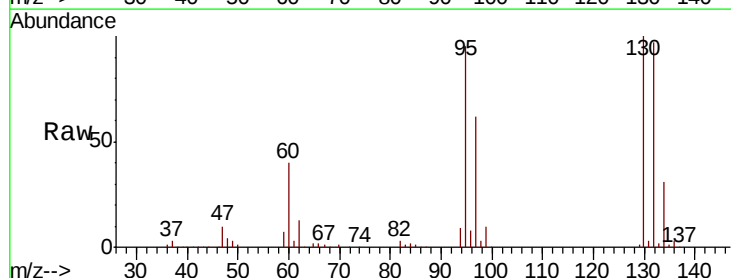
RT: 7.21 min Scan# 1087

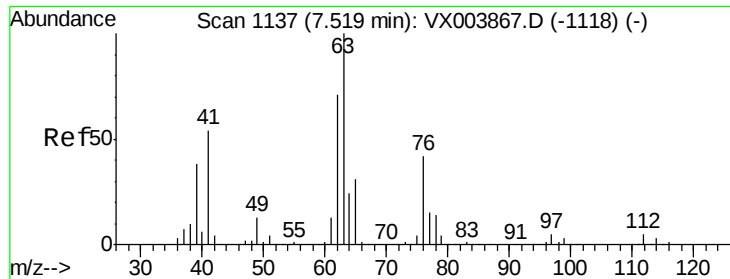
Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Tgt Ion:	130	Resp:	222404
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	199.4





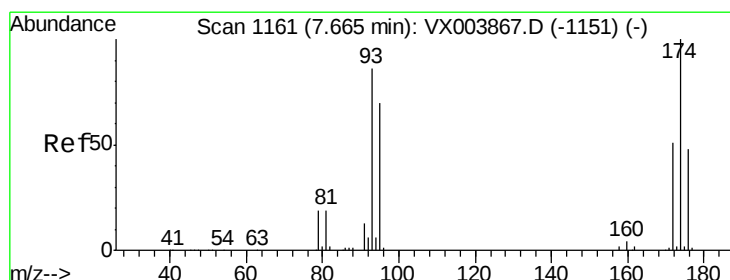
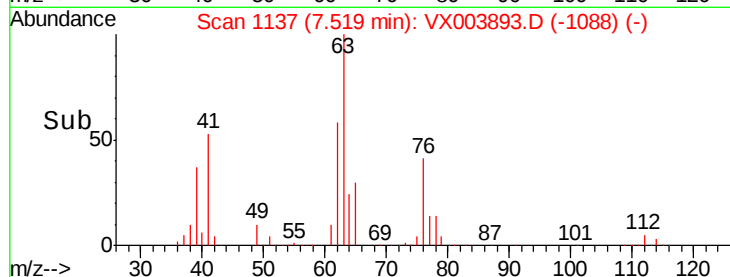
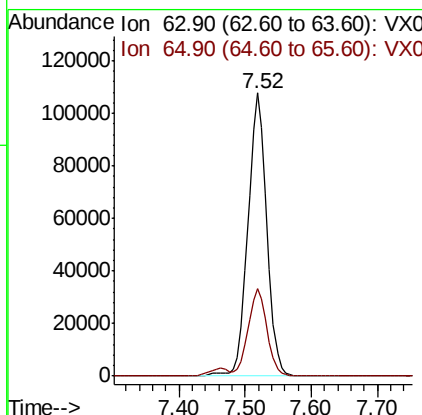
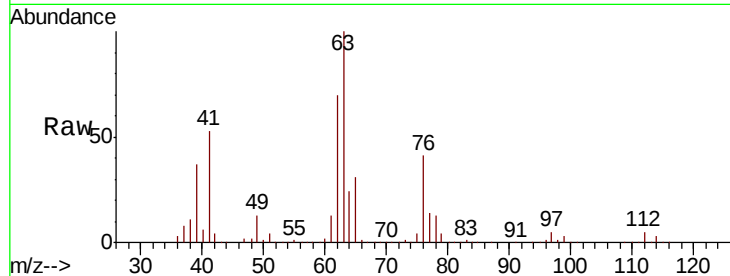
#45
 1,2-Dichloropropane
 Concen: 48.22 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.6	36.8

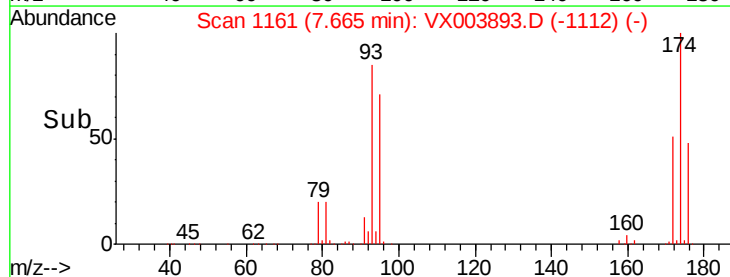
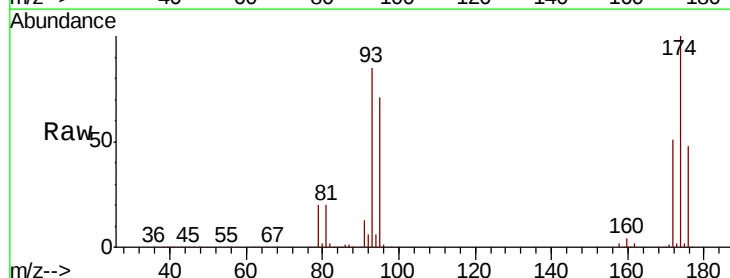
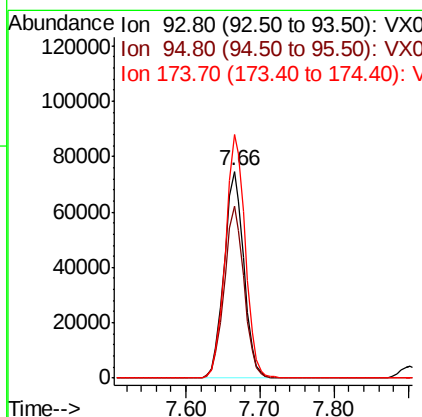
Manual Integrations
 APPROVED

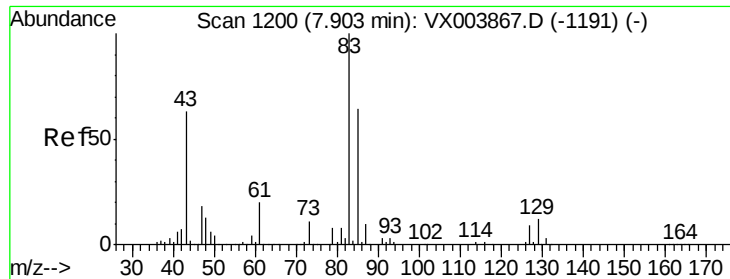
MMDadoda
 8/8/2018 12:02:14 PM



#46
 Dibromomethane
 Concen: 47.82 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.4	99.6
174	118.1	94.3	141.5





#47

Bromodichloromethane

Concen: 48.72 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

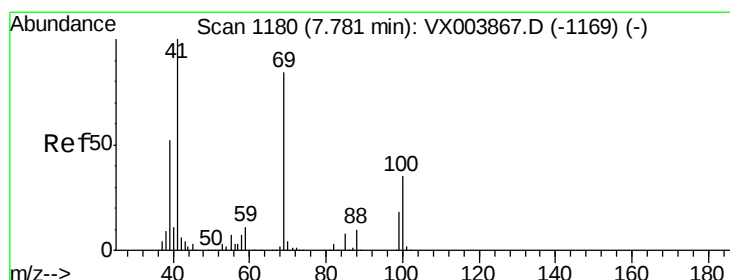
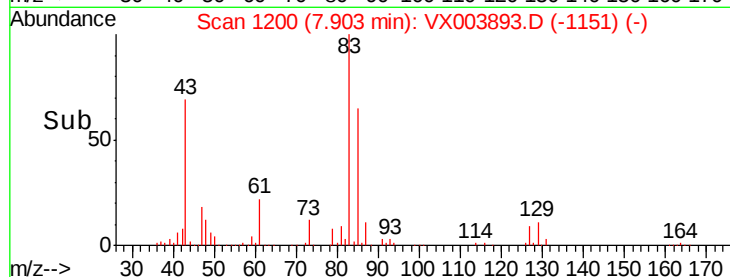
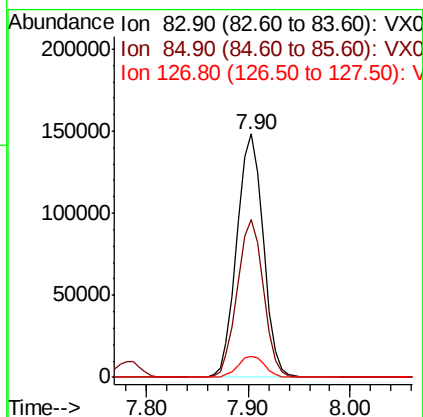
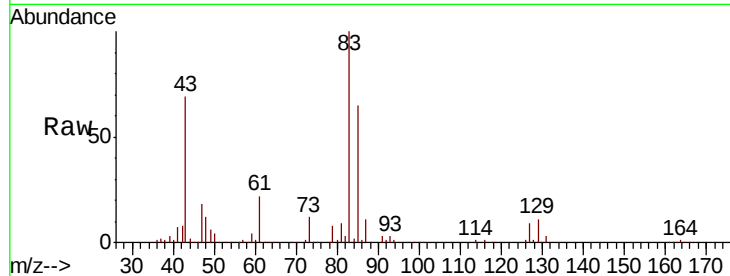
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	265670
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.2	76.8
127	8.7	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.08 ug/l

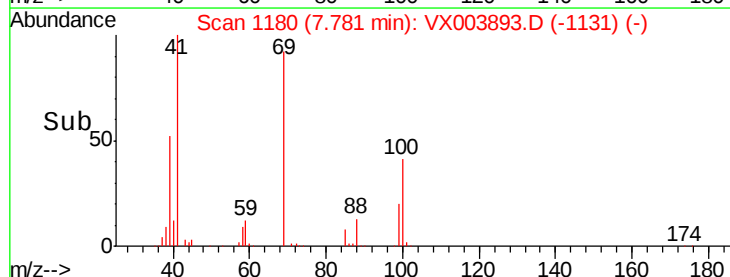
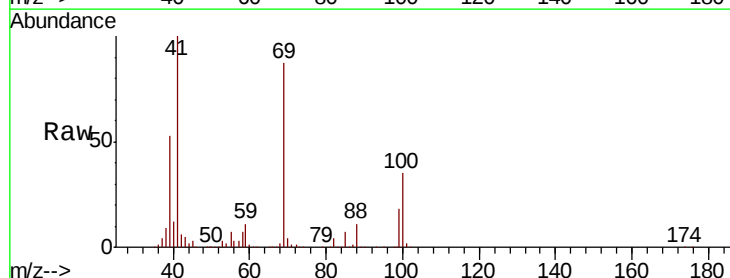
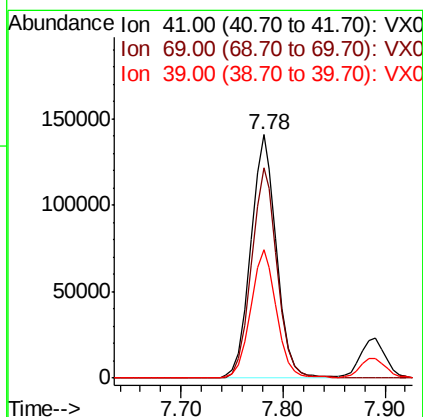
RT: 7.78 min Scan# 1180

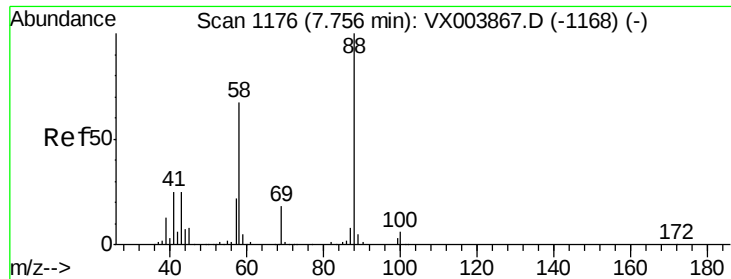
Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Tgt Ion:	41	Resp:	247138
Ion	Ratio	Lower	Upper
41	100		
69	86.8	68.8	103.2
39	52.8	42.3	63.5





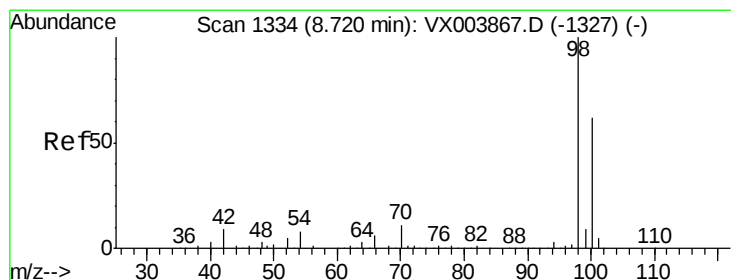
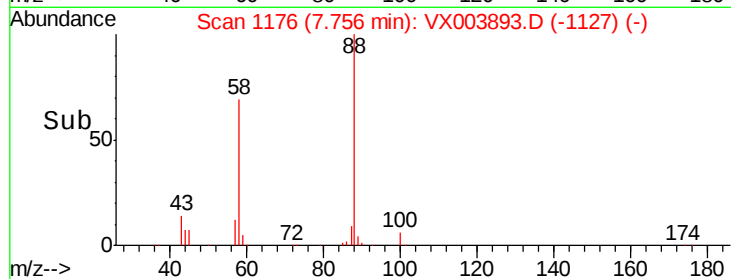
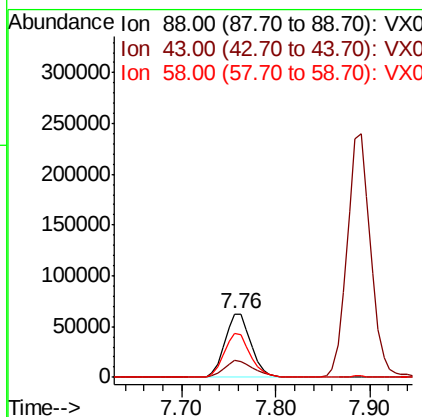
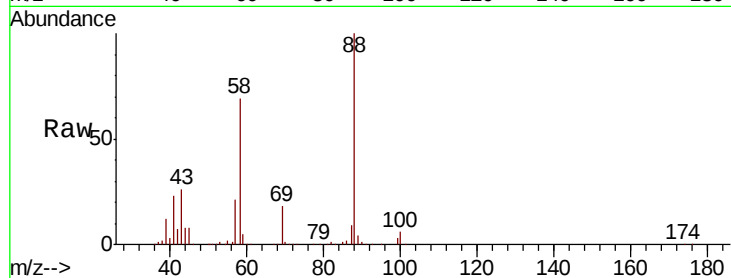
#49
 1,4-Dioxane
 Concen: 1054.05 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.8	35.8
58	69.7	55.4	83.0

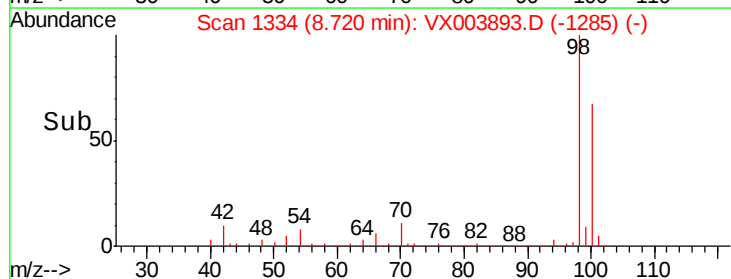
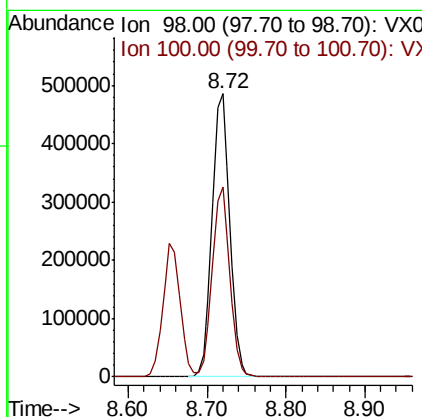
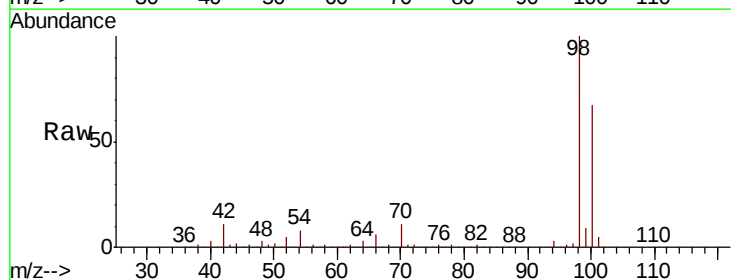
Manual Integrations
 APPROVED

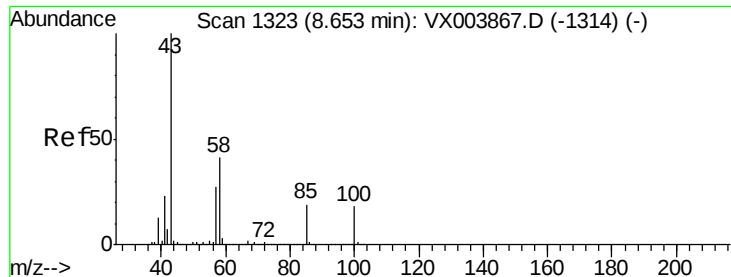
MMDadoda
 8/8/2018 12:02:14 PM



#50
 Toluene-d8
 Concen: 50.42 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 254.96 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2011333

Ion Ratio Lower Upper

43 100

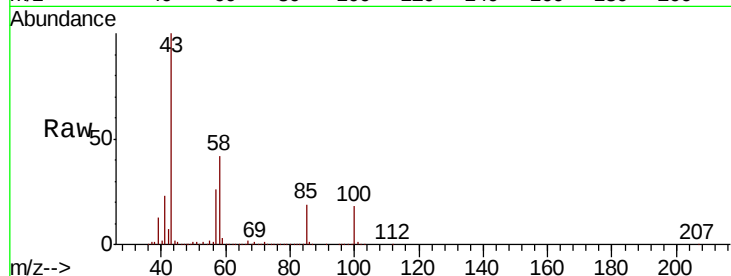
58 41.6 33.0 49.6

Manual Integrations

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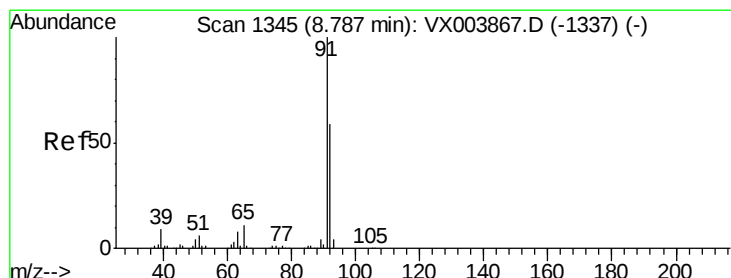
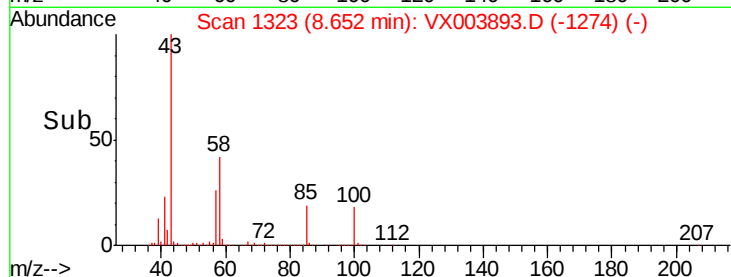
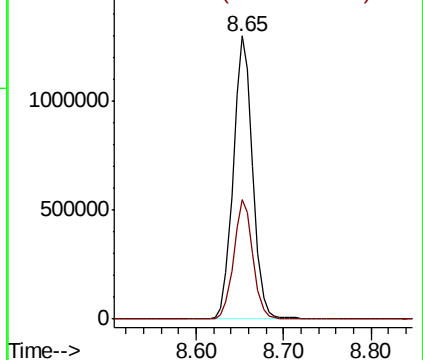
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.14 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003893.D

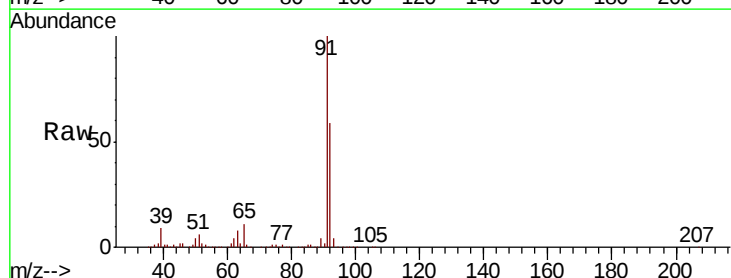
Acq: 07 Aug 2018 20:59

Tgt Ion: 92 Resp: 536005

Ion Ratio Lower Upper

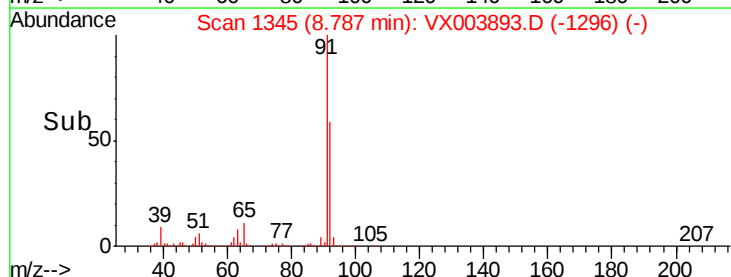
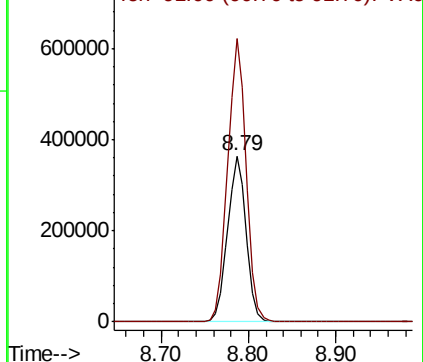
92 100

91 170.5 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





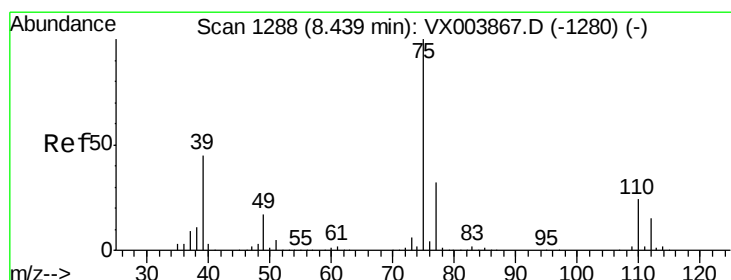
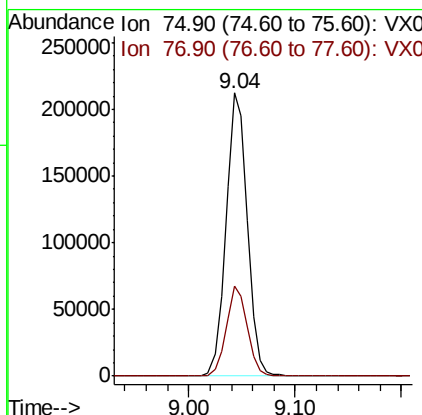
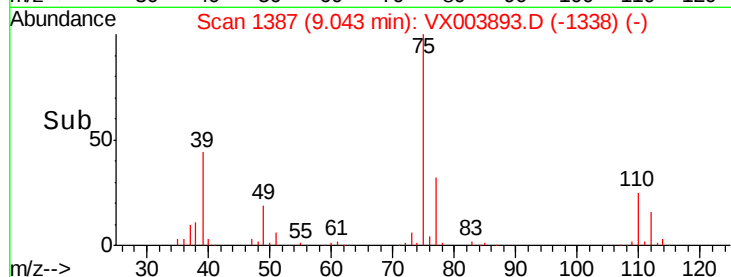
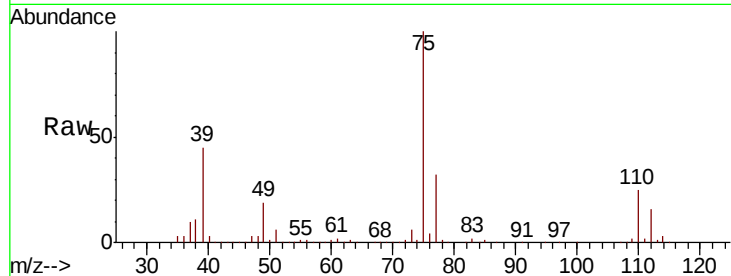
#53
t-1,3-Dichloropropene
Concen: 48.11 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 296519
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7

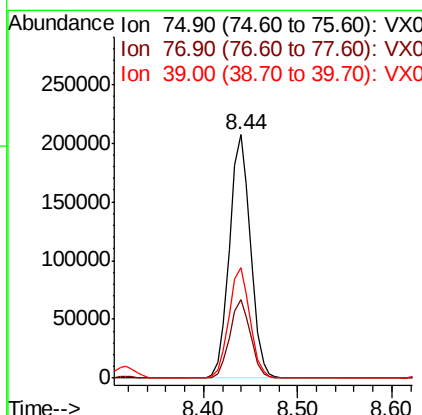
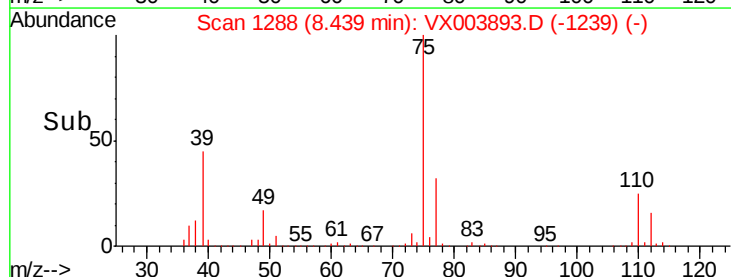
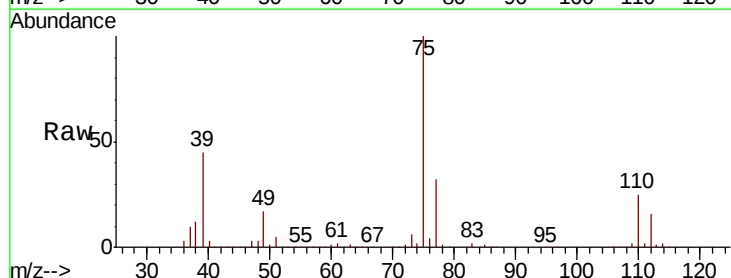
Manual Integrations
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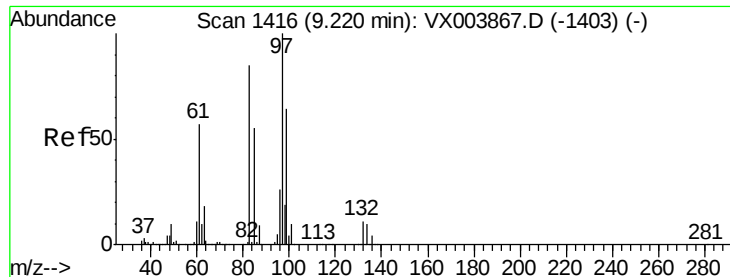
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#54
cis-1,3-Dichloropropene
Concen: 48.28 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion: 75 Resp: 320826
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
39 45.1 36.2 54.2





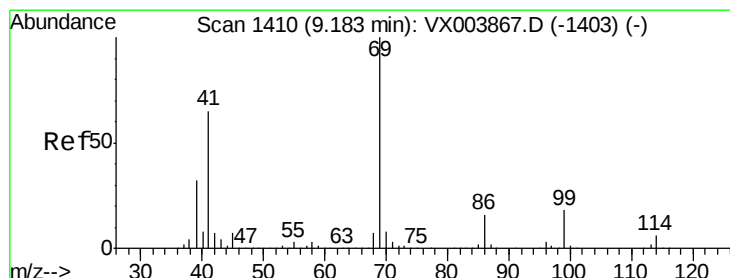
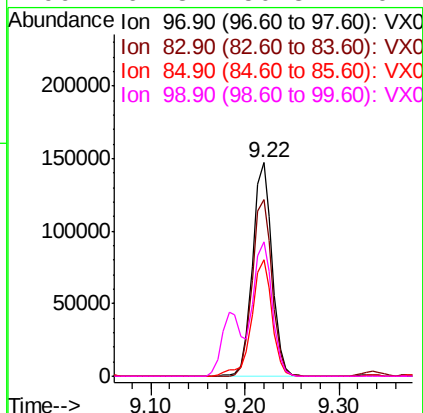
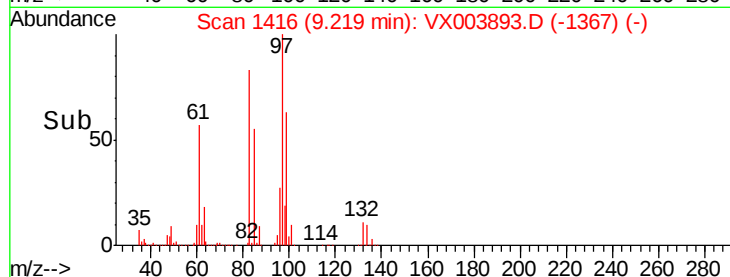
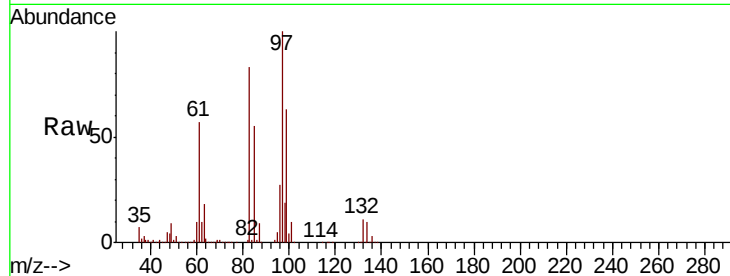
#55
 1,1,2-Trichloroethane
 Concen: 48.22 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		214968		
83	82.9	67.8	101.6		
85	54.7	44.2	66.2		
99	62.8	50.8	76.2		

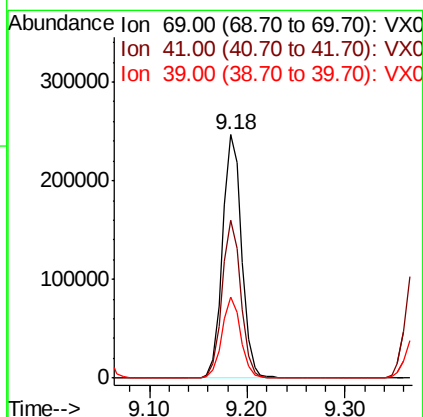
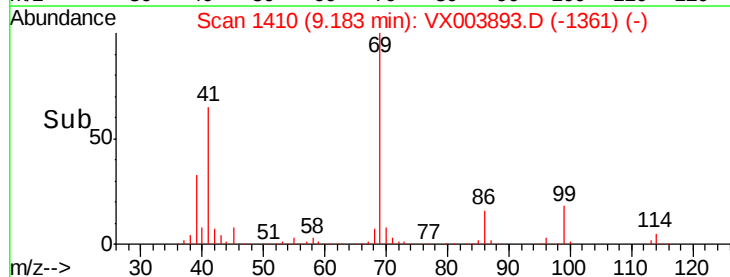
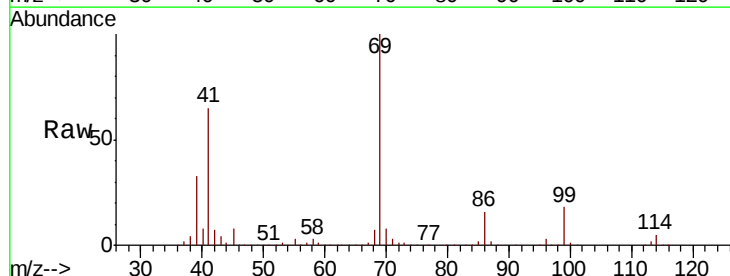
Manual Integrations
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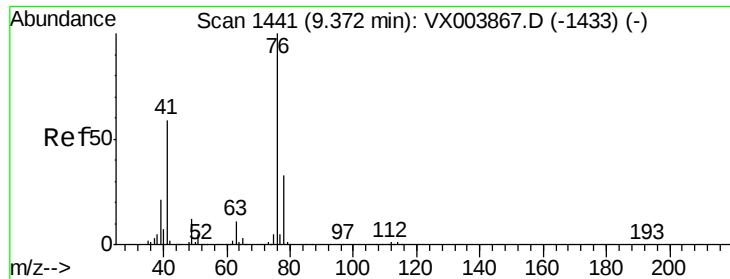
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#56
 Ethyl methacrylate
 Concen: 51.70 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		334349		
41	63.7	50.6	76.0		
39	32.3	25.8	38.6		





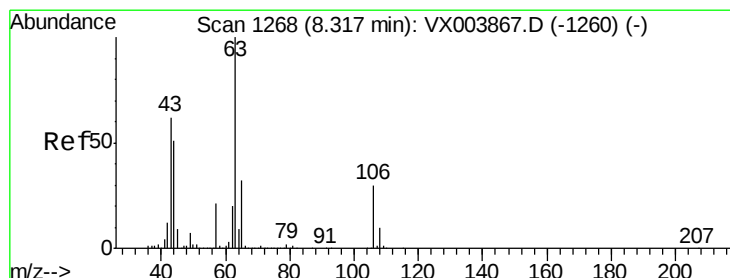
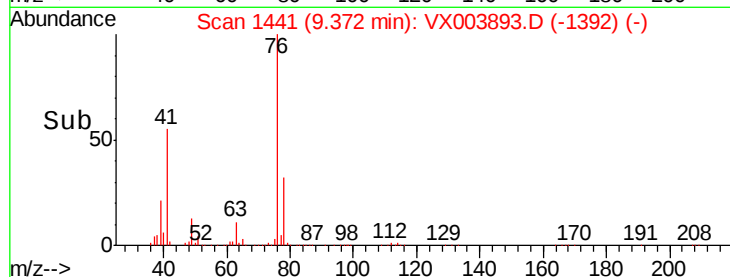
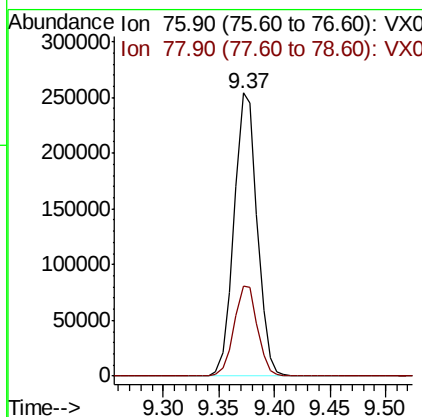
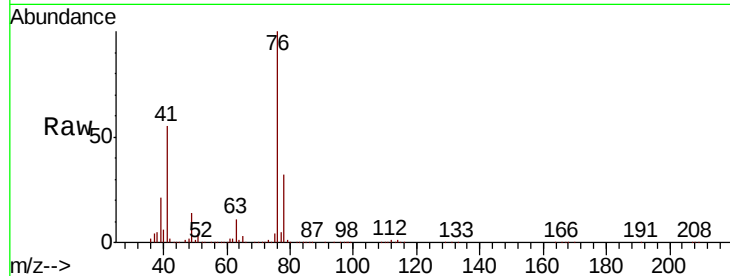
#57
 1,3-Dichloropropane
 Concen: 48.97 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

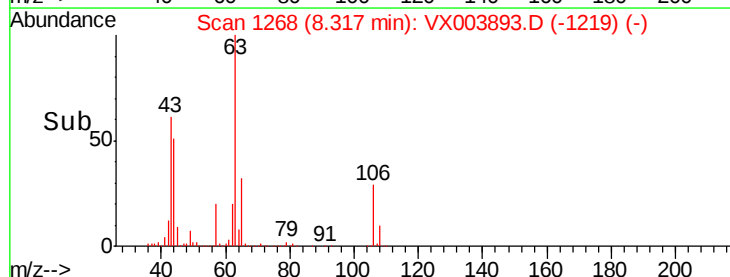
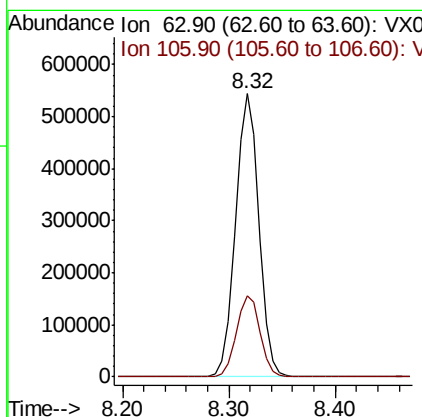
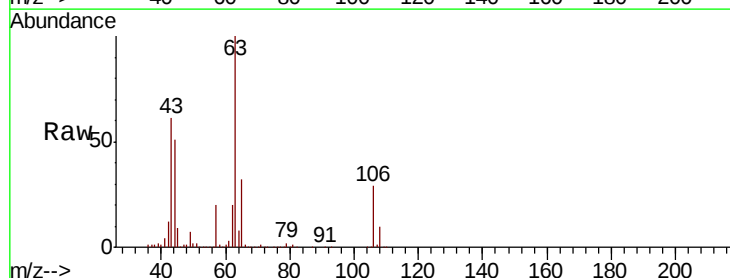
Manual Integrations
 APPROVED

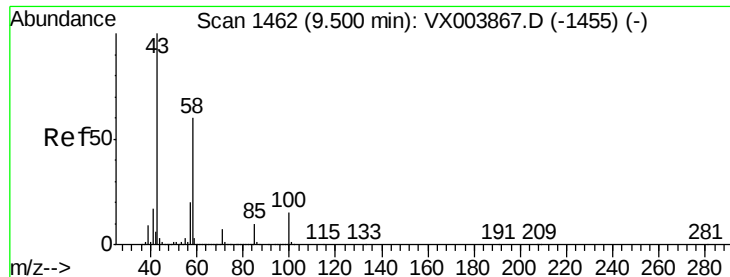
MMDadoda
 8/8/2018 12:02:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.05 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.8	35.8





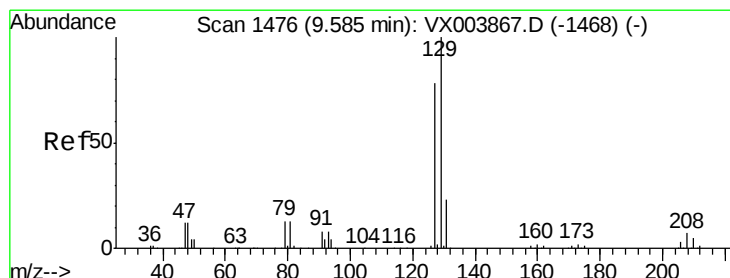
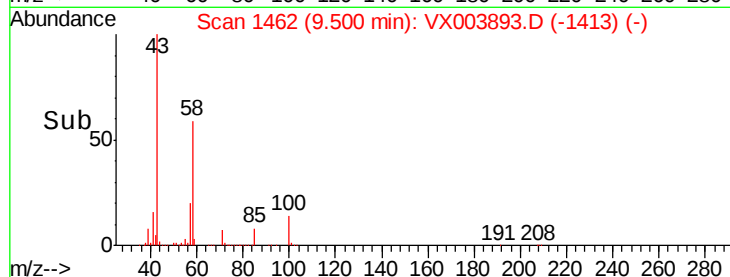
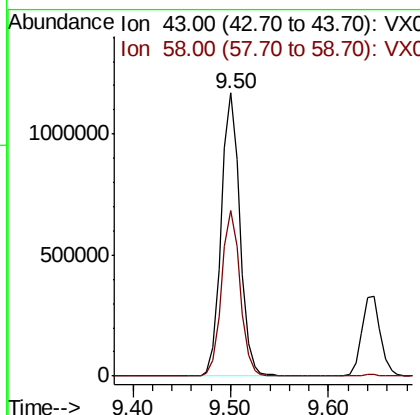
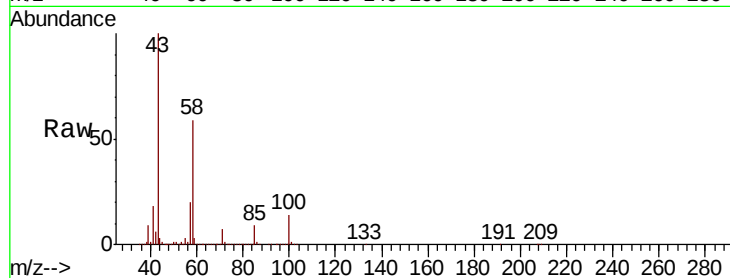
#59
2-Hexanone
Concen: 262.52 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1548082
Ion Ratio Lower Upper
43 100
58 58.4 29.0 87.0

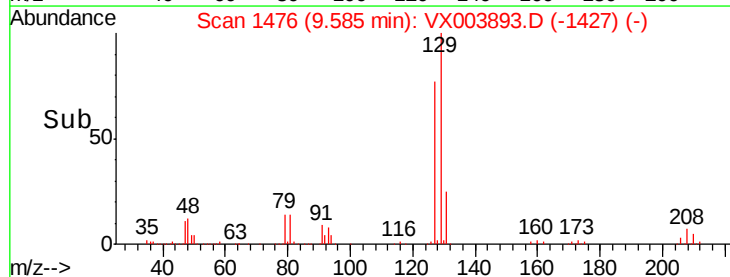
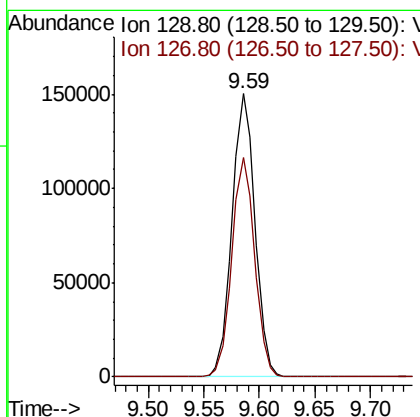
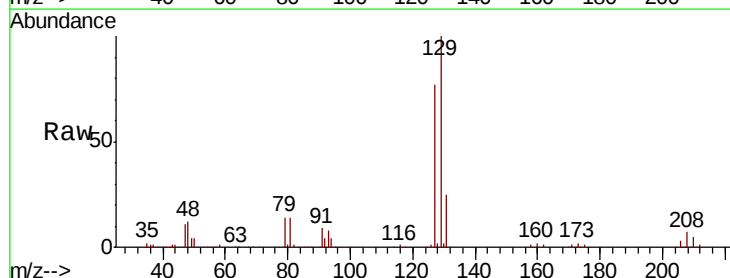
Manual Integrations
APPROVED

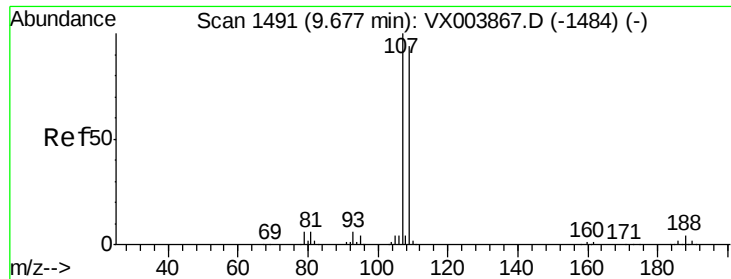
MMDadoda
8/8/2018 12:02:14 PM



#60
Dibromochloromethane
Concen: 51.57 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion: 129 Resp: 214328
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.3





#61

1,2-Dibromoethane

Concen: 50.27 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 224346

Ion Ratio Lower Upper

107 100

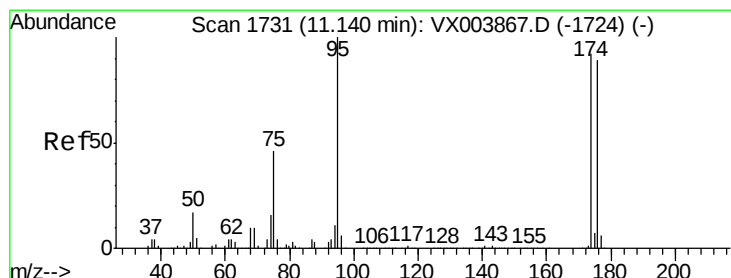
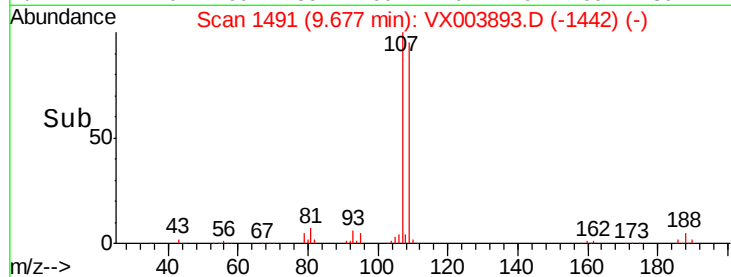
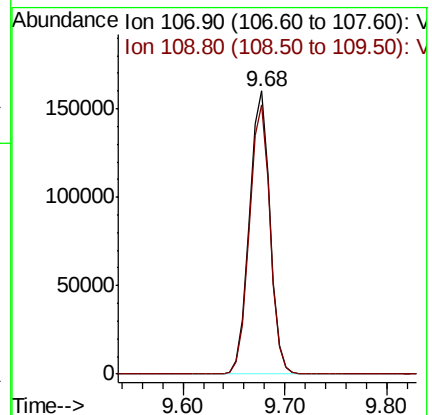
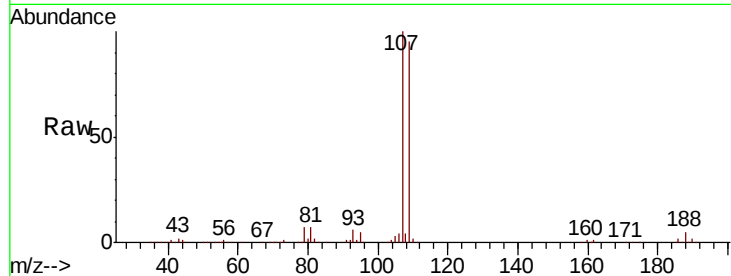
109 95.6 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/8/2018 12:02:14 PM



#62

4-Bromofluorobenzene

Concen: 58.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

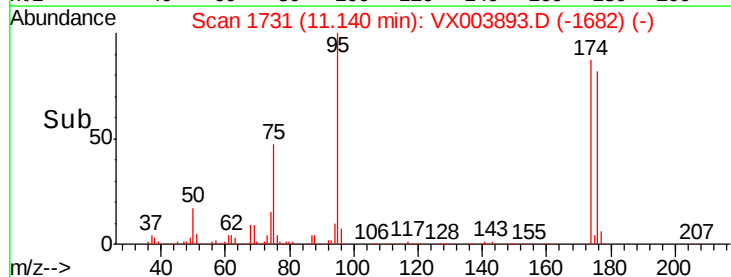
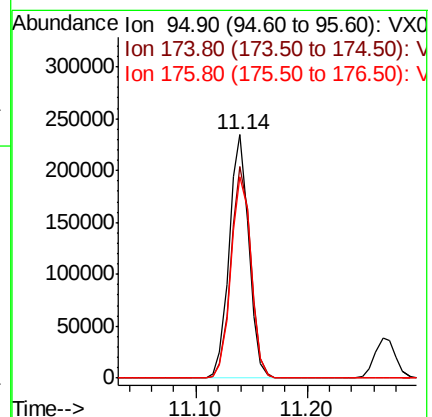
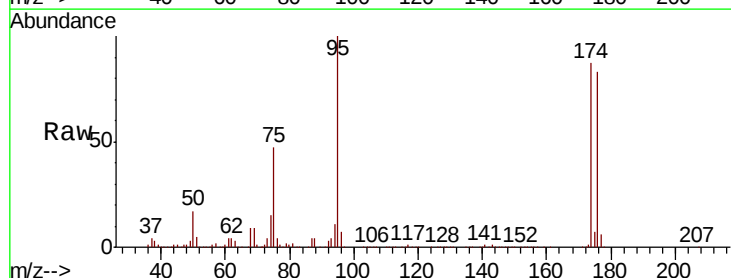
Tgt Ion: 95 Resp: 284550

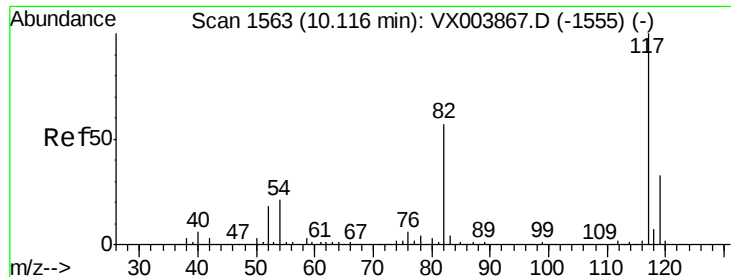
Ion Ratio Lower Upper

95 100

174 88.8 0.0 182.8

176 85.8 0.0 179.0





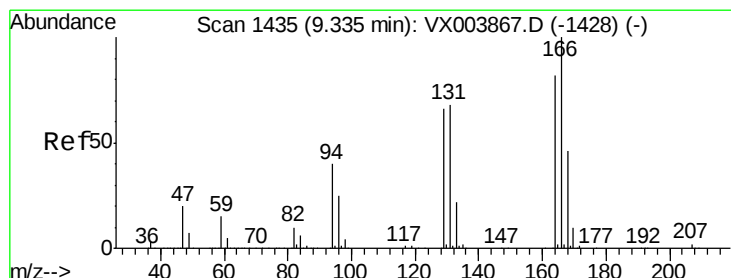
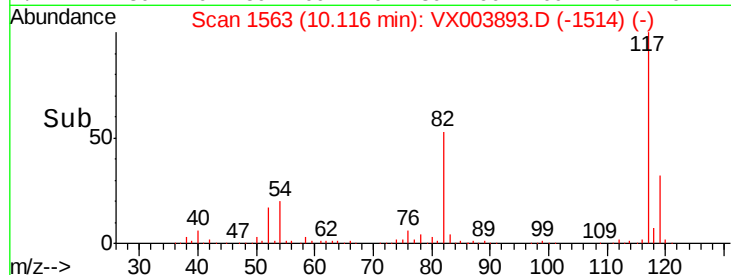
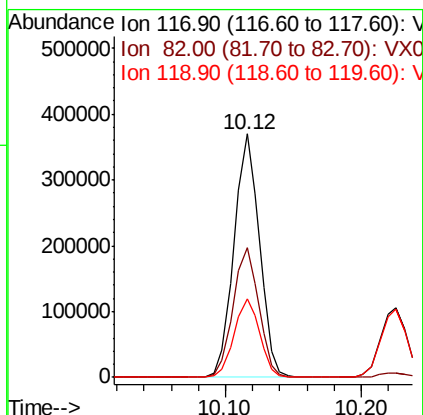
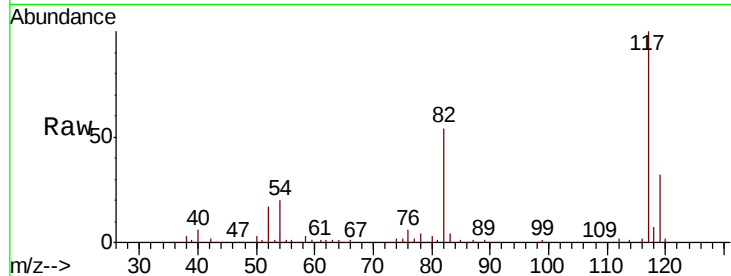
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.4	68.0
119	32.2	26.6	40.0

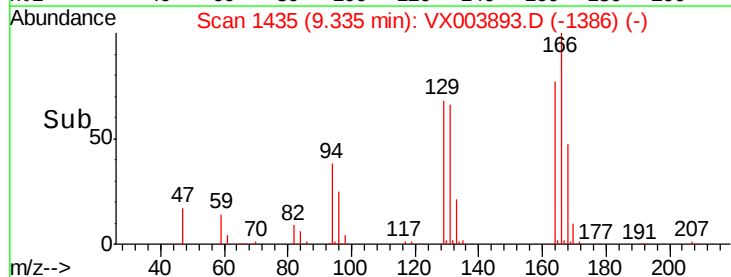
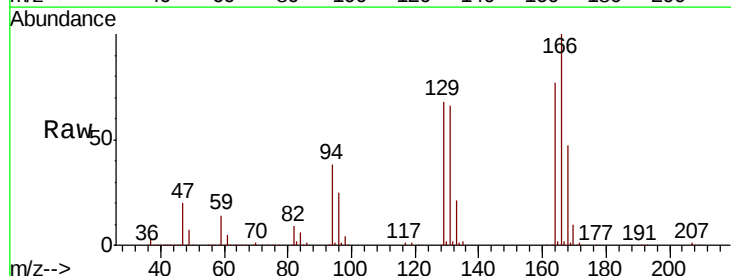
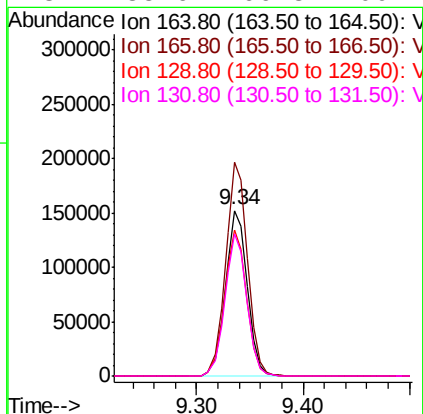
Manual Integrations
APPROVED

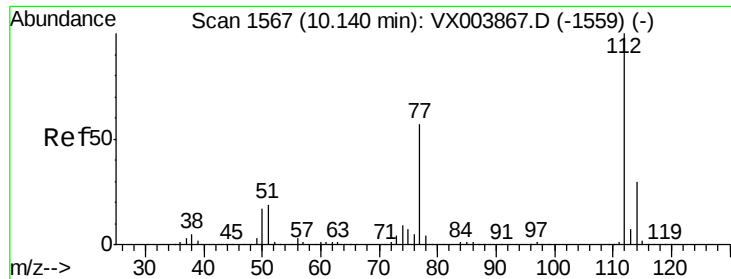
MMDadoda
8/8/2018 12:02:14 PM



#64
Tetrachloroethene
Concen: 46.07 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	98.0	147.0
129	88.4	64.3	96.5
131	85.6	66.8	100.2





#65

Chlorobenzene

Concen: 47.92 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 599209

Ion Ratio Lower Upper

112 100

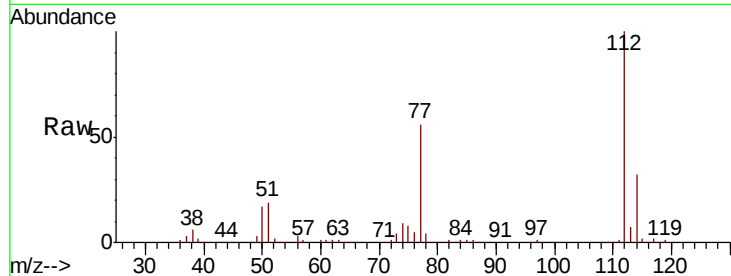
114 31.6 23.6 35.4

Manual Integrations

APPROVED

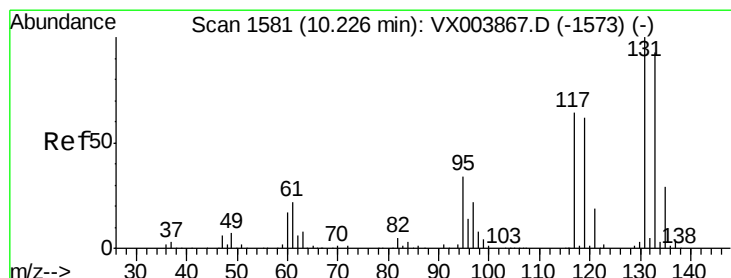
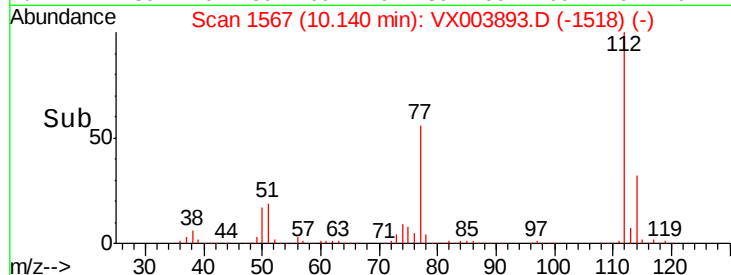
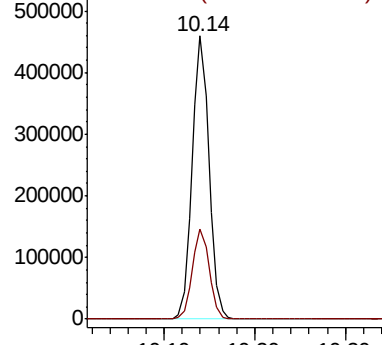
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.69 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

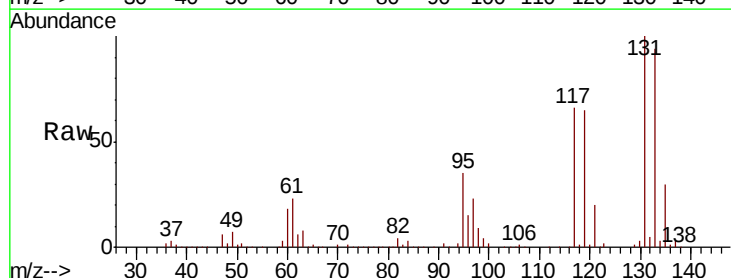
Tgt Ion:131 Resp: 213585

Ion Ratio Lower Upper

131 100

133 94.6 47.3 141.8

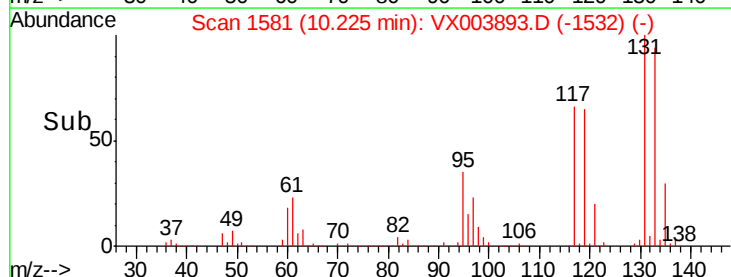
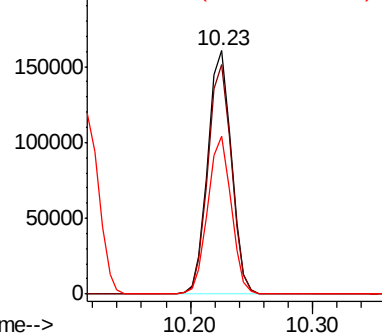
119 64.5 31.6 94.8

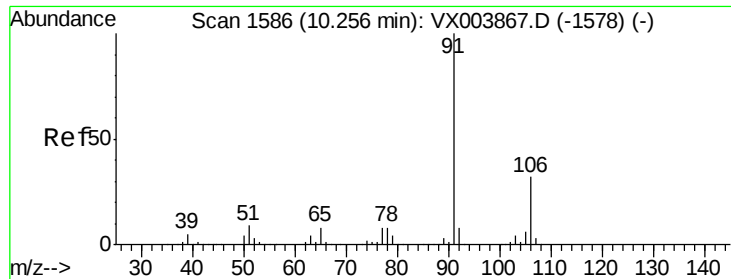


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





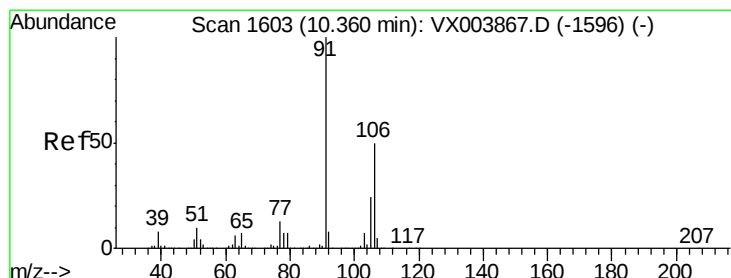
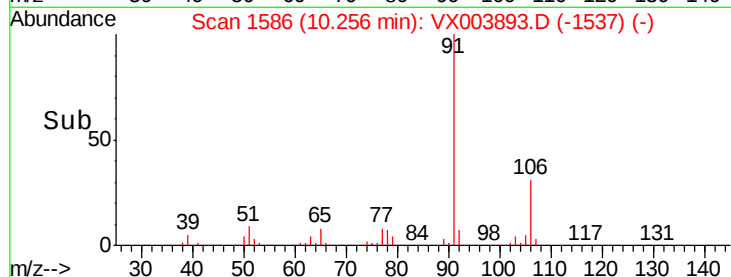
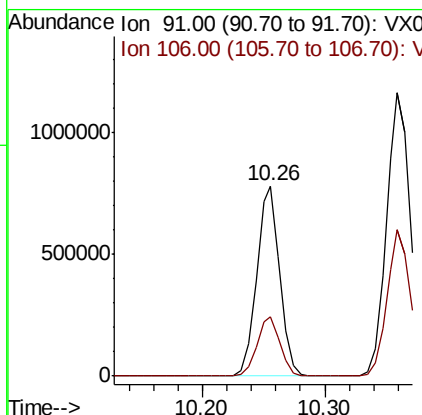
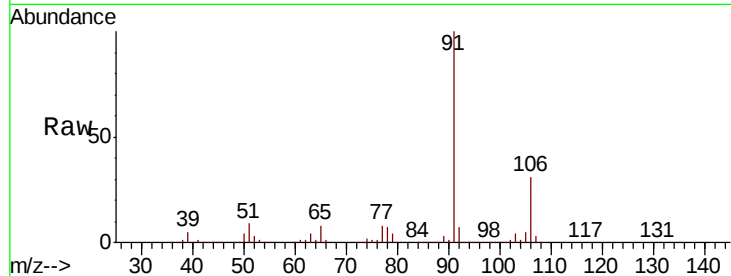
#67
Ethyl Benzene
Concen: 49.84 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1020135
Ion Ratio Lower Upper
91 100
106 31.4 25.9 38.9

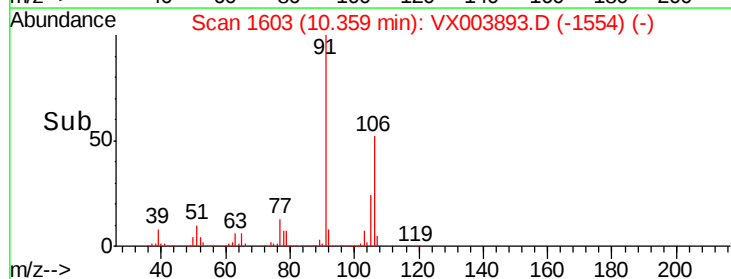
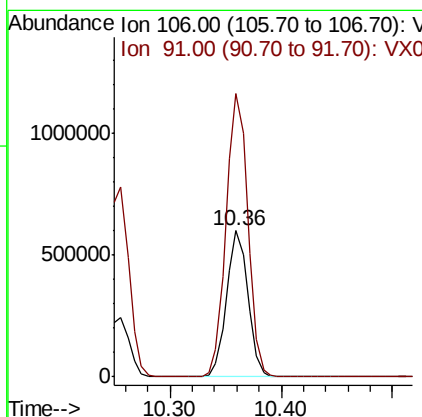
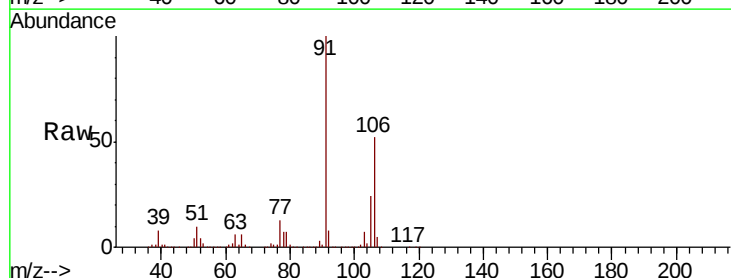
Manual Integrations
APPROVED

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8/8/2018 12:02:14 PM



#68
m/p-Xylenes
Concen: 99.61 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion: 106 Resp: 796638
Ion Ratio Lower Upper
106 100
91 197.8 162.3 243.5





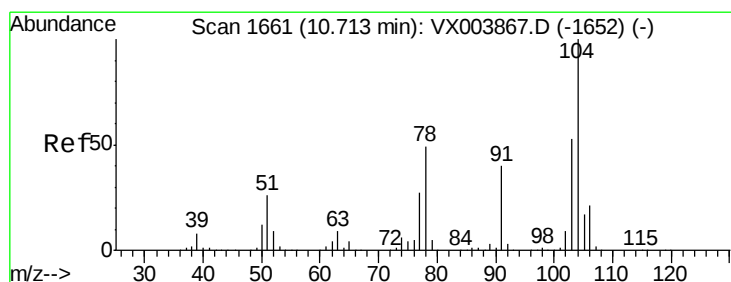
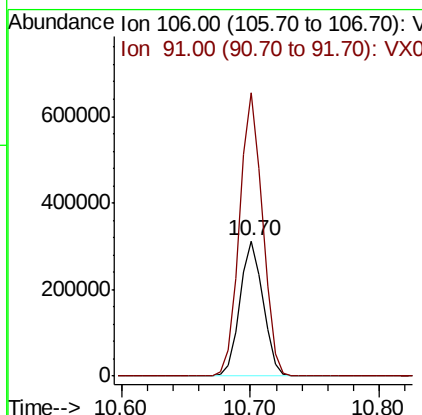
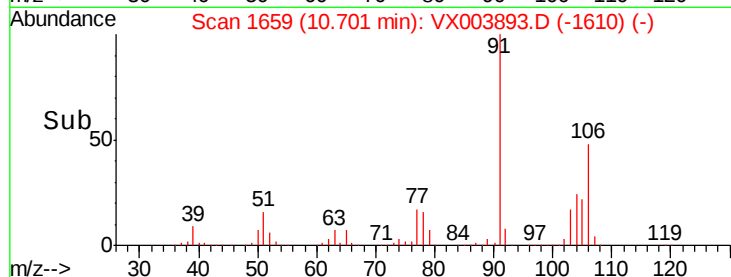
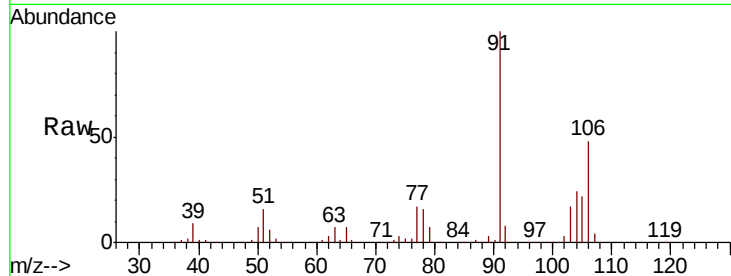
#69
o-Xylene
Concen: 51.48 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 388705
Ion Ratio Lower Upper
106 100
91 208.8 101.9 305.7

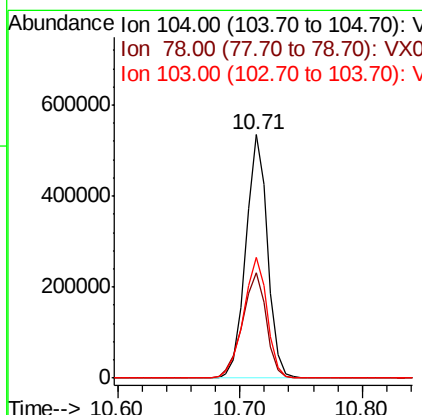
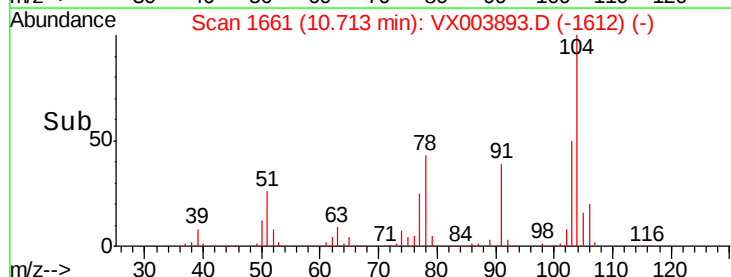
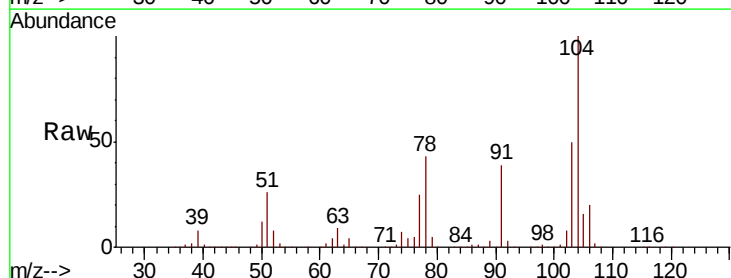
Manual Integrations
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MMDadoda
8/8/2018 12:02:14 PM



#70
Styrene
Concen: 53.07 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion:104 Resp: 655964
Ion Ratio Lower Upper
104 100
78 47.7 39.8 59.6
103 54.2 44.3 66.5





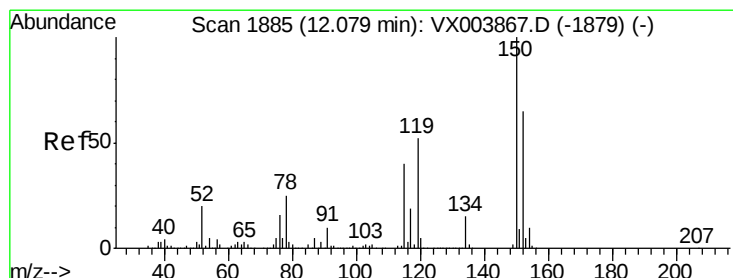
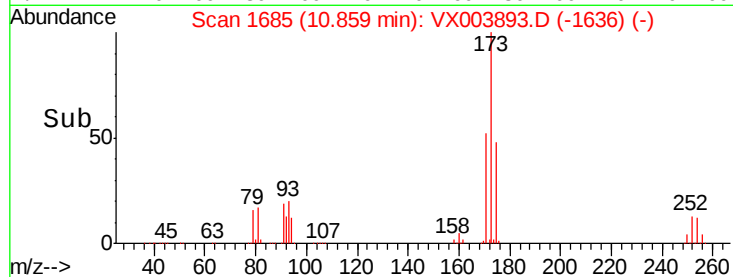
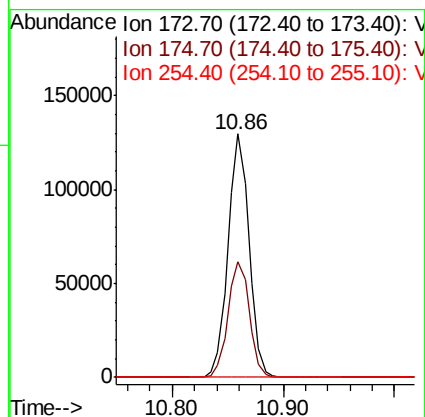
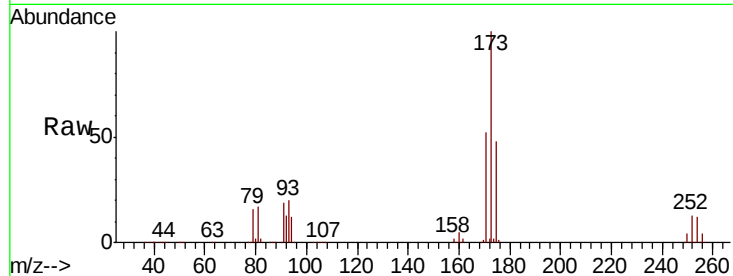
#71
Bromoform
Concen: 46.60 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.7
254	0.2	0.2	0.2

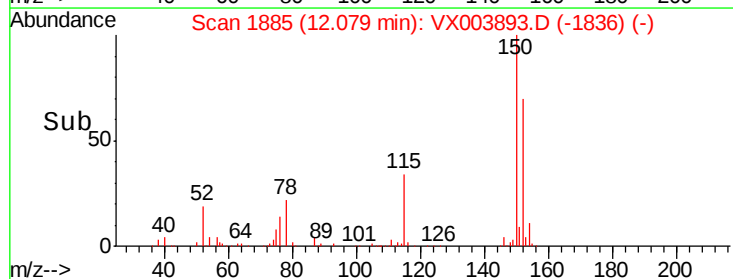
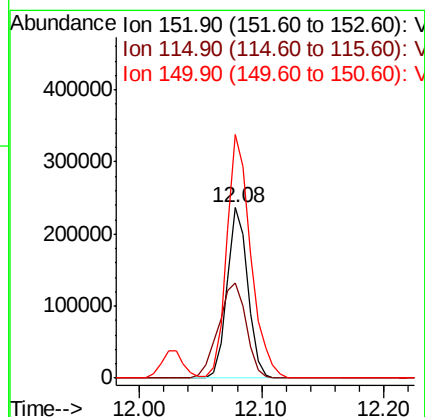
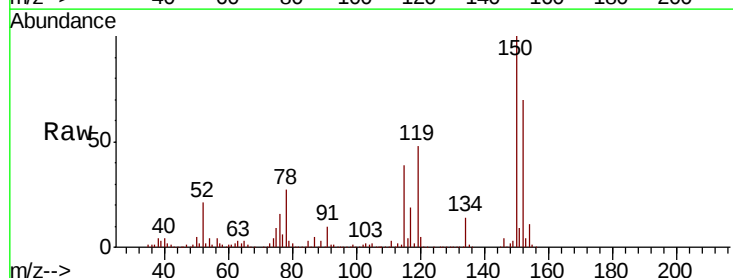
Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:02:14 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.8	39.1	117.3
150	166.2	0.0	349.2





#73

Isopropylbenzene

Concen: 51.36 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1038590

Ion Ratio Lower Upper

105 100

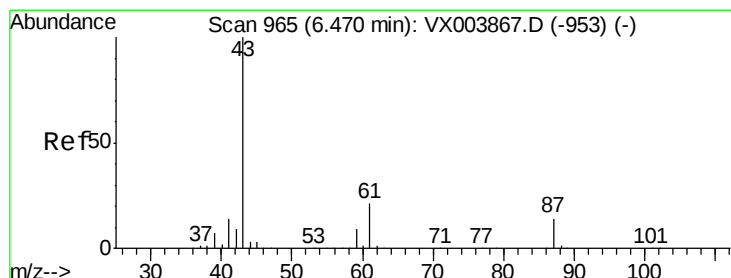
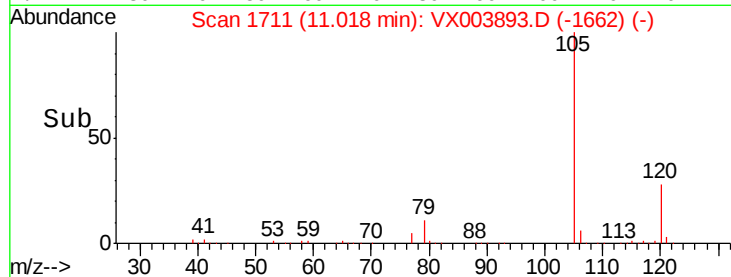
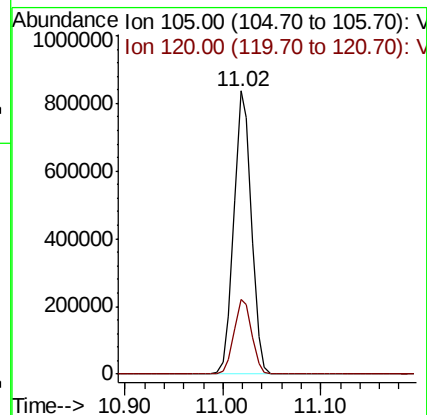
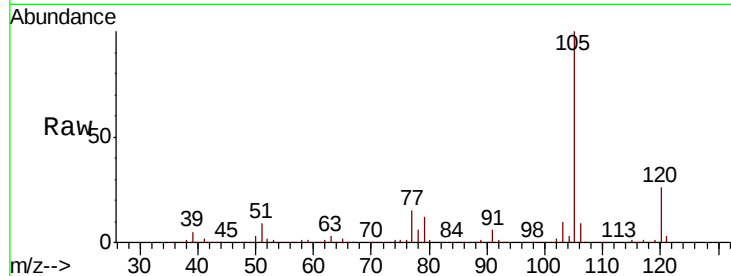
120 26.8 12.6 37.8

Manual Integrations

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8/8/2018 12:02:14 PM



#74

N-ethyl acetate

Concen: 45.22 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Tgt Ion: 43 Resp: 475584

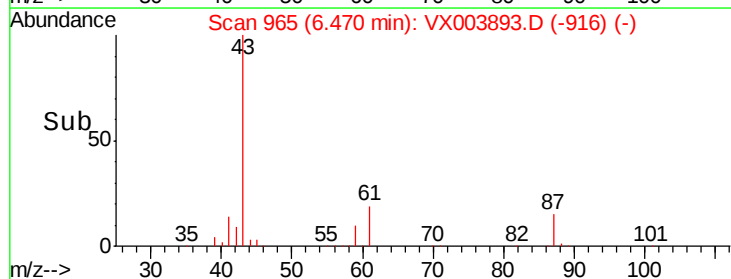
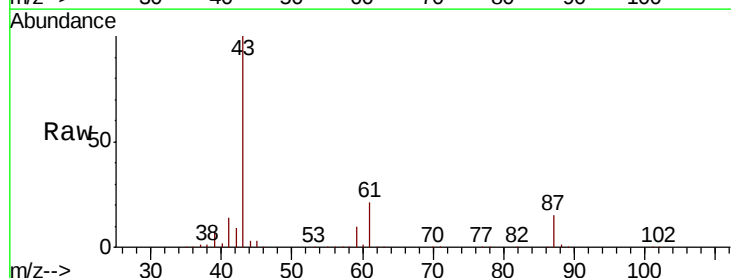
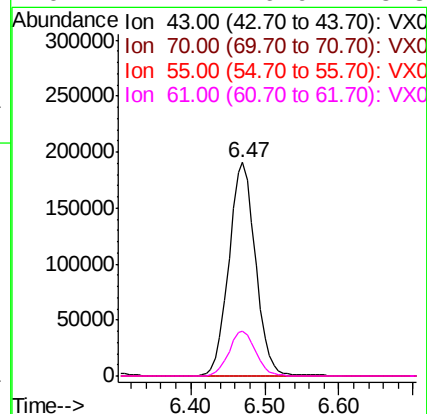
Ion Ratio Lower Upper

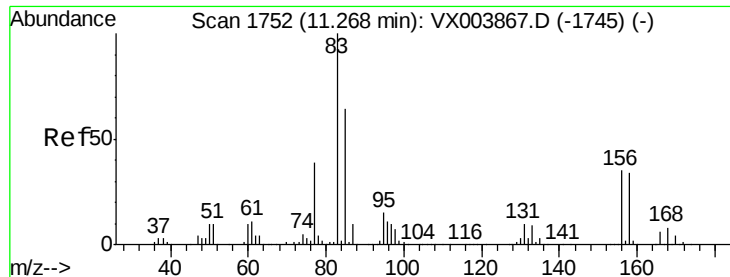
43 100

70 0.0 0.0 0.0#

55 0.1 0.1 0.1

61 21.2 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.29 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 341625
Ion Ratio Lower Upper

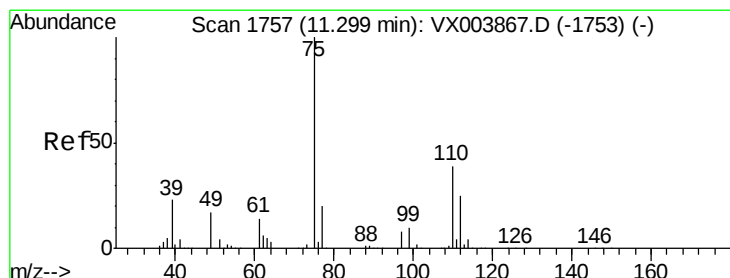
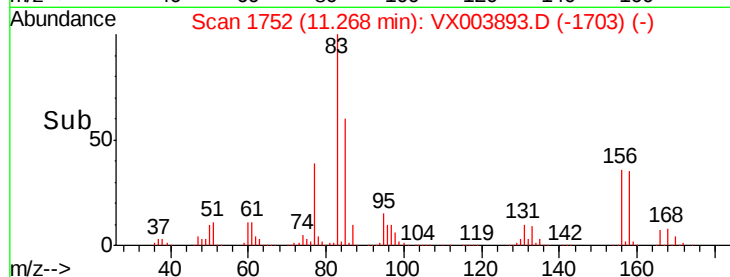
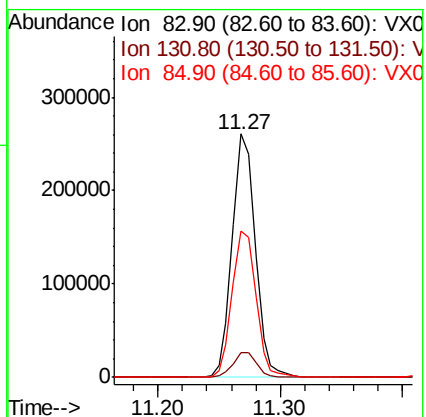
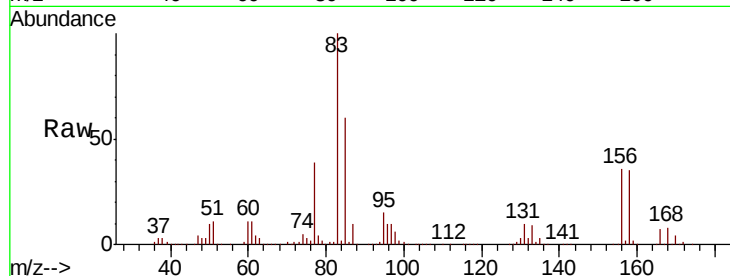
83 100

131 10.5 5.2 15.6

85 62.6 32.2 96.6

Manual Integrations
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8/8/2018 12:02:14 PM



#76

1,2,3-Trichloropropane

Concen: 49.88 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

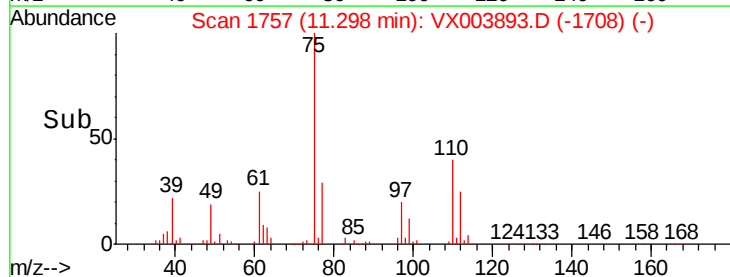
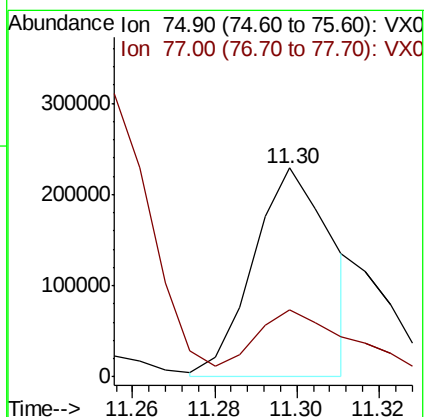
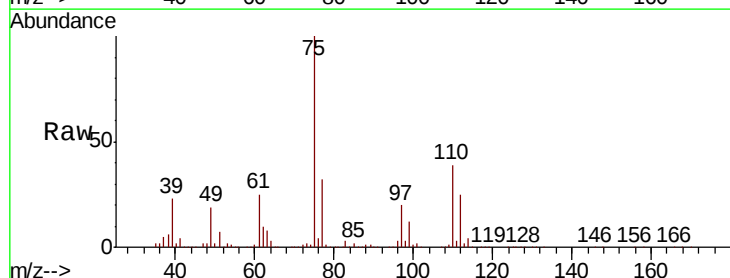
Lab File: VX003893.D

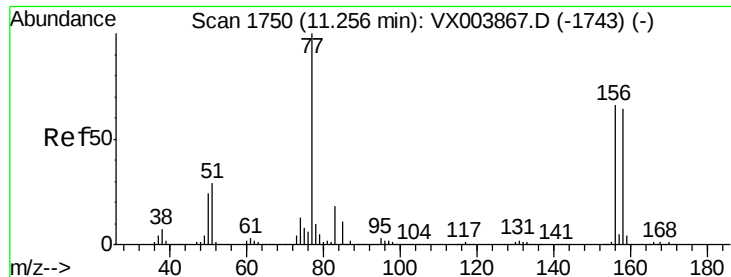
Acq: 07 Aug 2018 20:59

Tgt Ion: 75 Resp: 301163
Ion Ratio Lower Upper

75 100

77 40.8 20.8 62.5





#77

Bromobenzene

Concen: 50.39 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

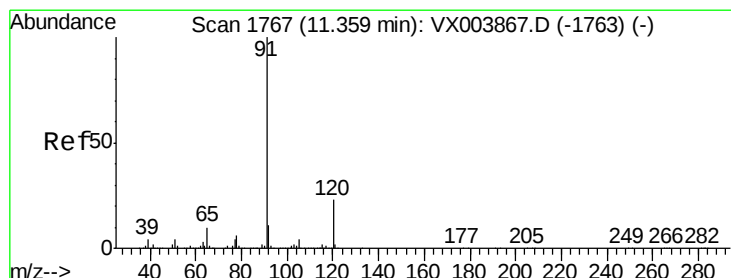
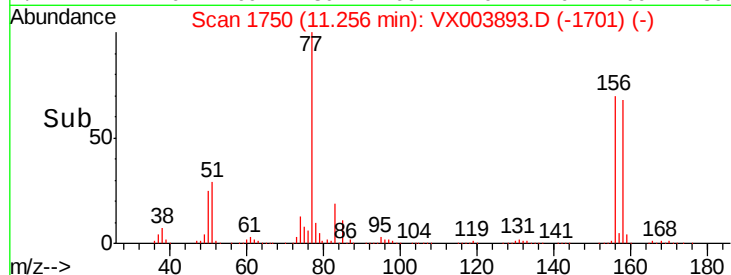
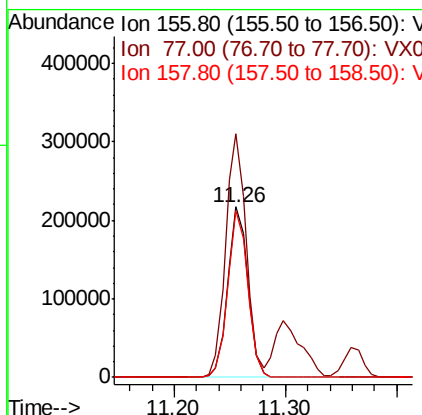
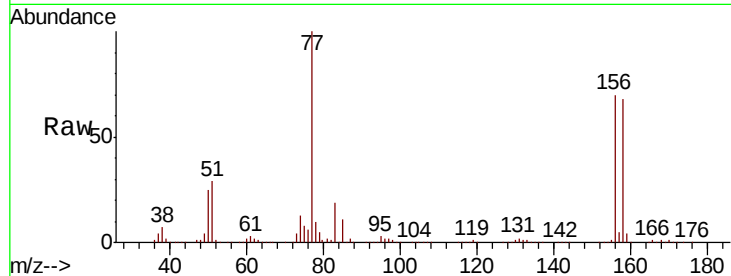
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	271835
Ion Ratio	Lower	Upper	
156	100		
77	145.2	74.1	222.2
158	97.2	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 52.08 ug/l

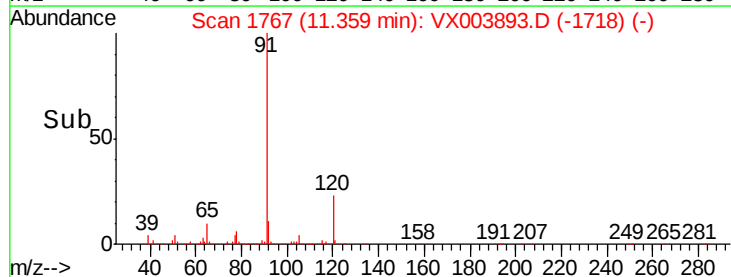
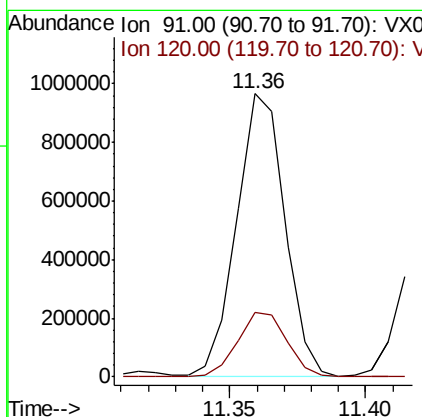
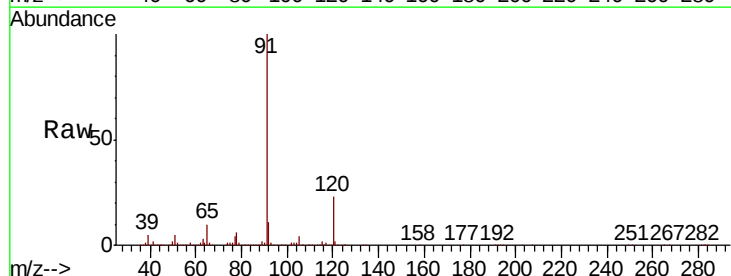
RT: 11.36 min Scan# 1767

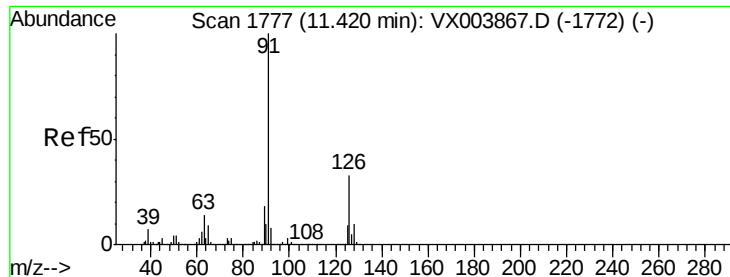
Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Tgt Ion:	91	Resp:	1182712
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 49.96 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 691748

Ion Ratio Lower Upper

91 100

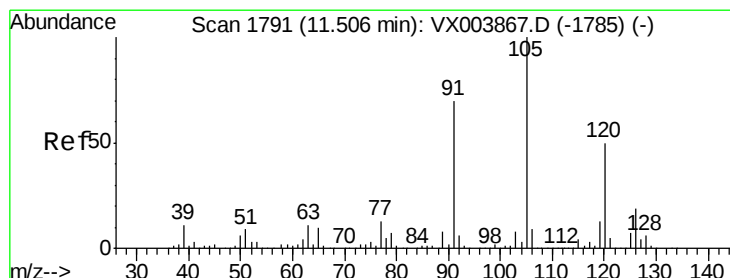
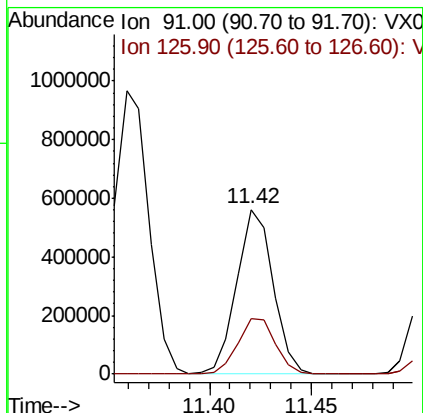
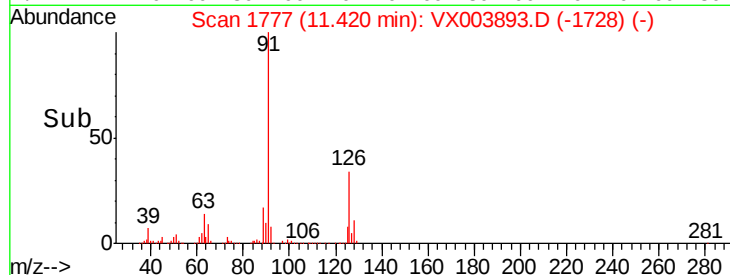
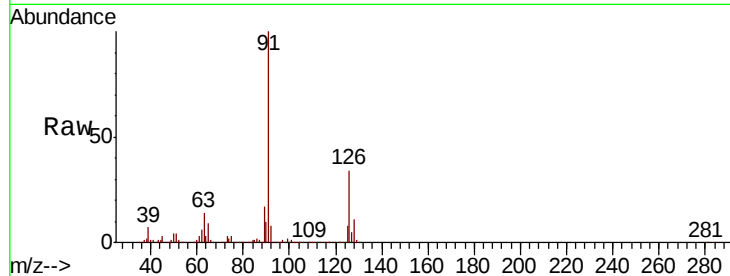
126 35.3 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.06 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX003893.D

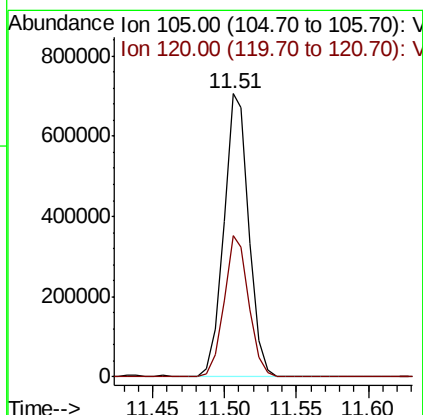
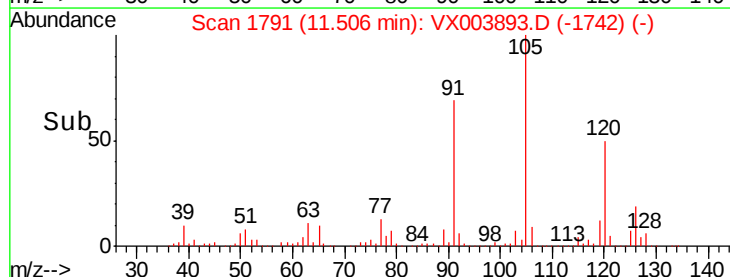
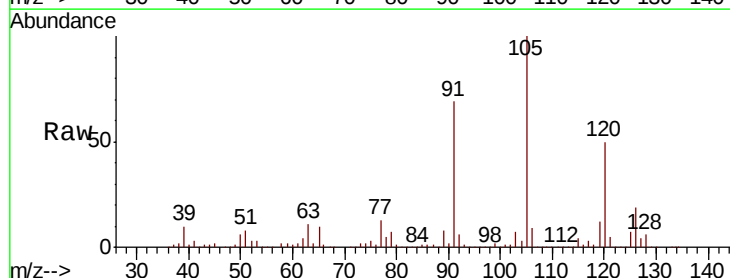
Acq: 07 Aug 2018 20:59

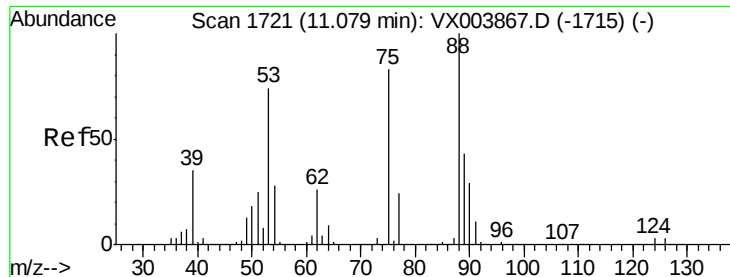
Tgt Ion: 105 Resp: 858470

Ion Ratio Lower Upper

105 100

120 49.6 25.4 76.2





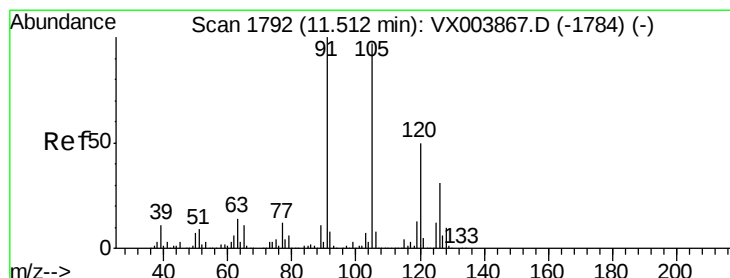
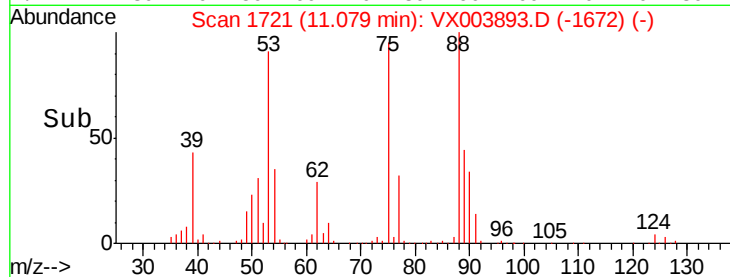
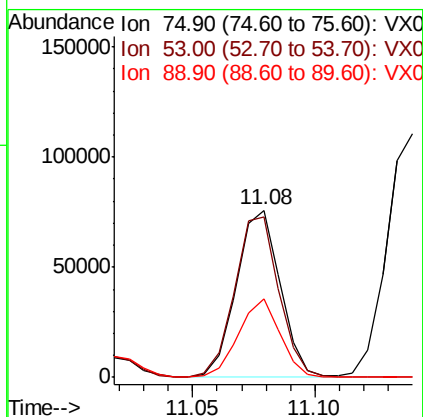
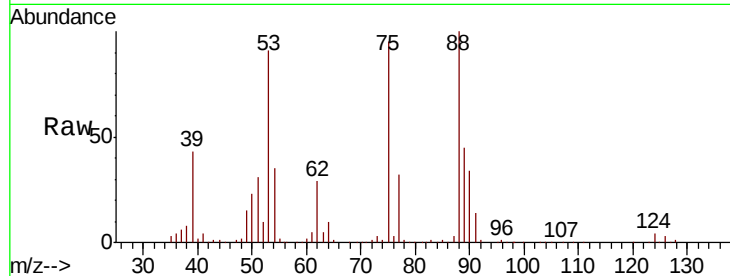
#81
trans-1,4-Dichloro-2-butene
Concen: 42.78 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.4	80.3	120.5
89	44.3	37.8	56.8

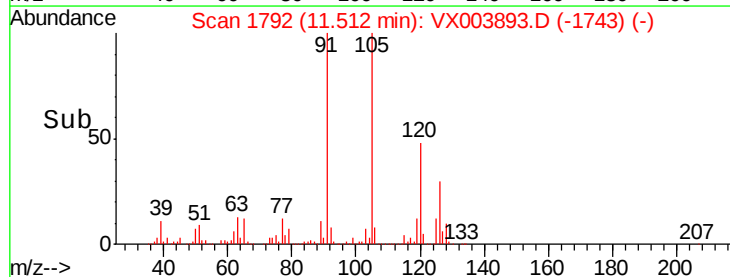
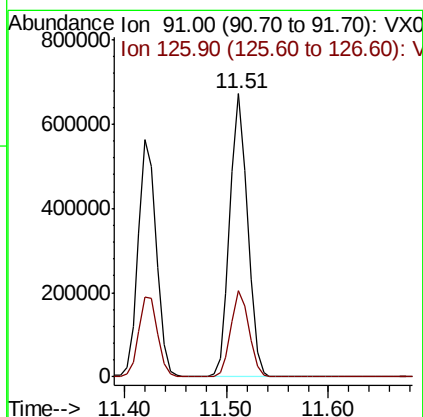
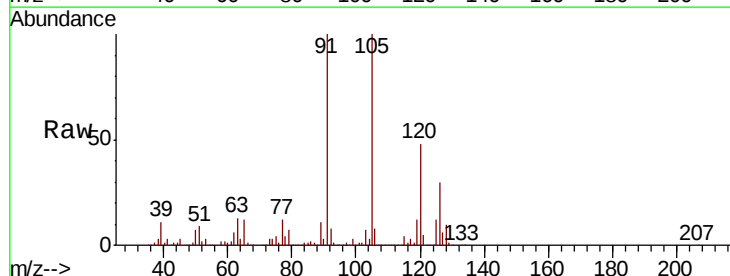
Manual Integrations
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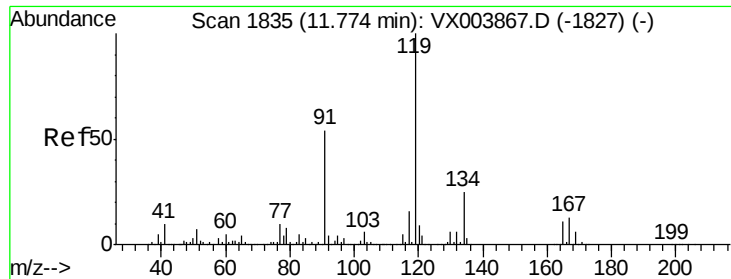
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.72 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.7





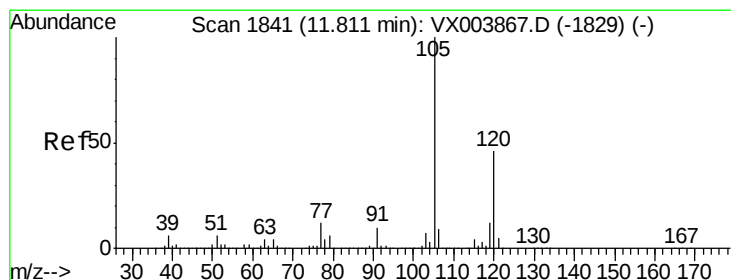
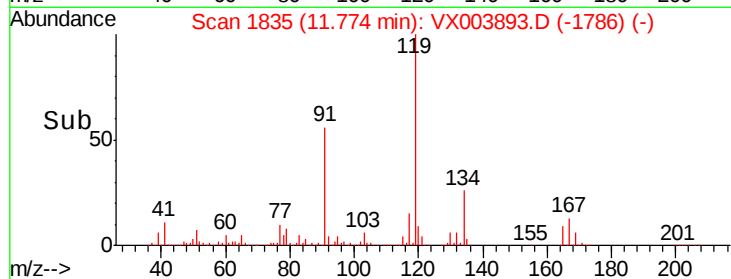
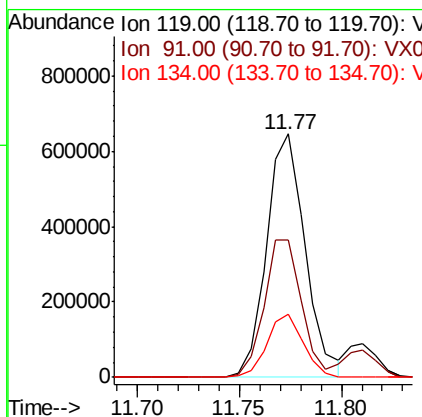
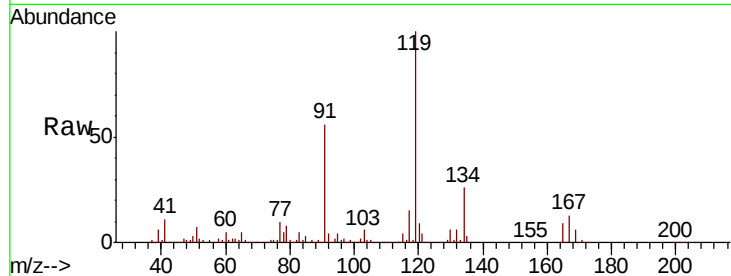
#83
 tert-Butylbenzene
 Concen: 52.64 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	853929		
91	54.6	26.9	80.7	
134	24.3	12.0	36.0	

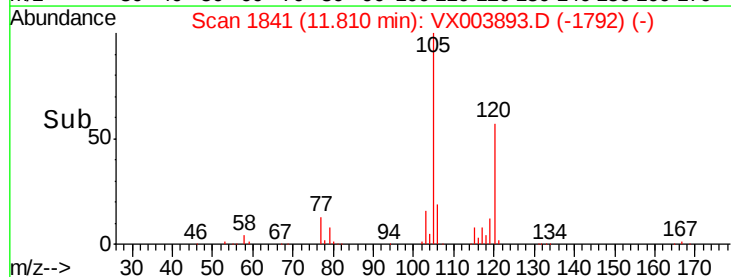
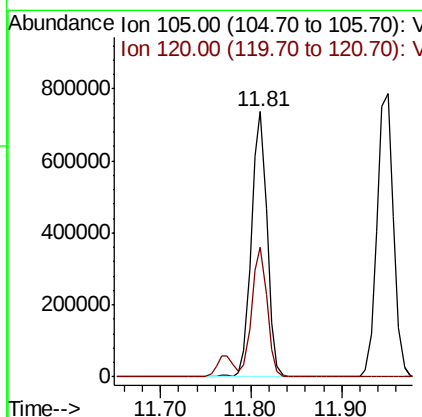
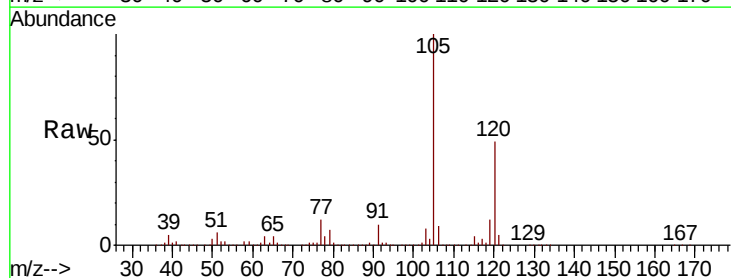
Manual Integrations
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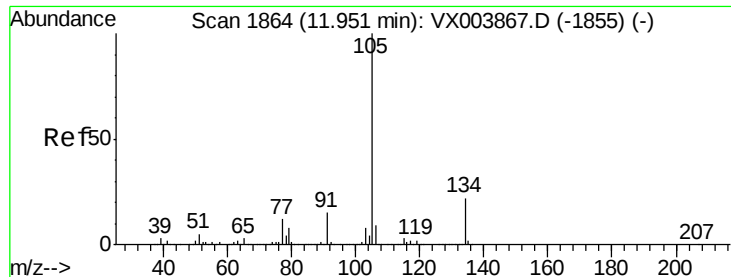
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.03 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	879283		
120	47.6	23.1	69.2	





#85

sec-Butylbenzene

Concen: 51.52 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 986314

Ion Ratio Lower Upper

105 100

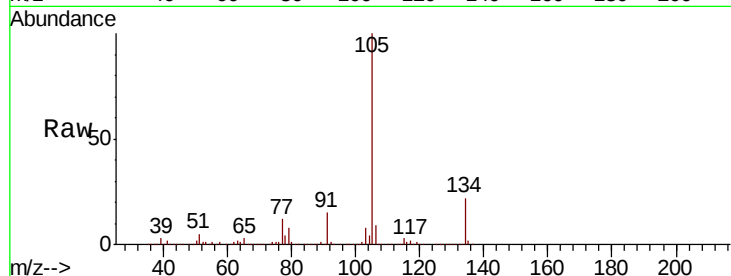
134 21.3 10.3 30.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

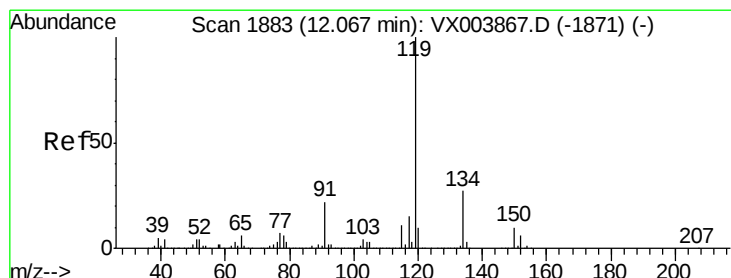
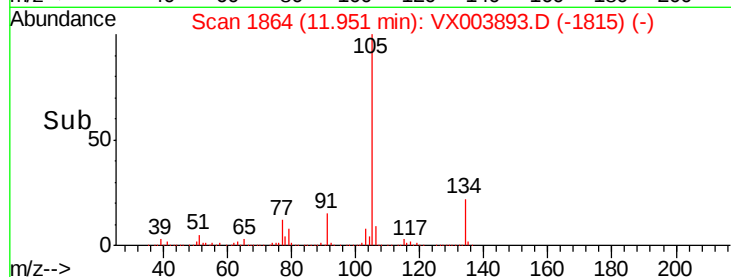
400000

200000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 48.80 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

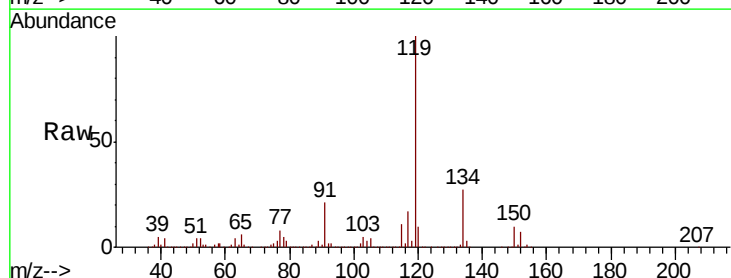
Tgt Ion:119 Resp: 838381

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.2 10.9 32.7



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): VX0

1000000

800000

600000

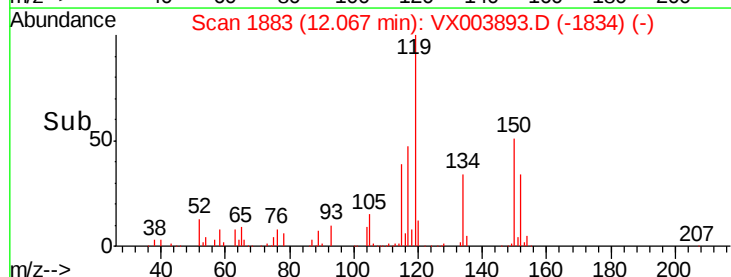
400000

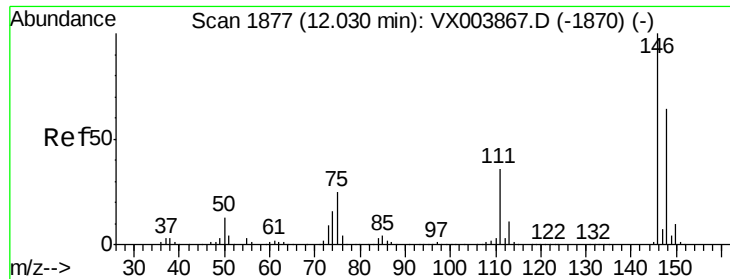
200000

0

12.00 12.10

Time-->





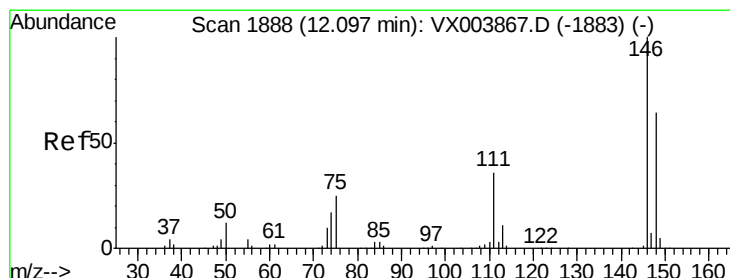
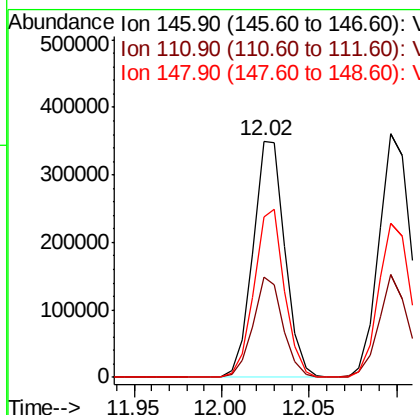
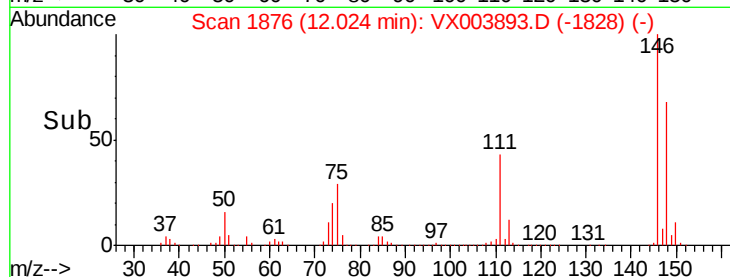
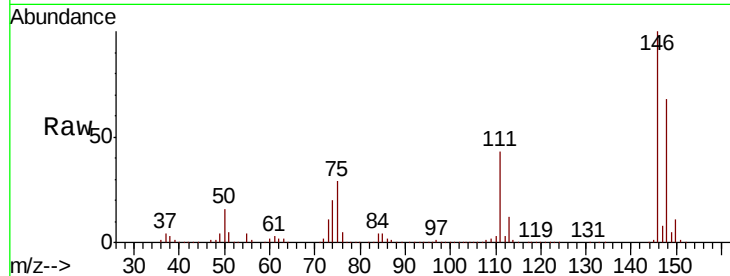
#87
 1,3-Dichlorobenzene
 Concen: 44.89 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.4
148	68.0	31.9	95.5

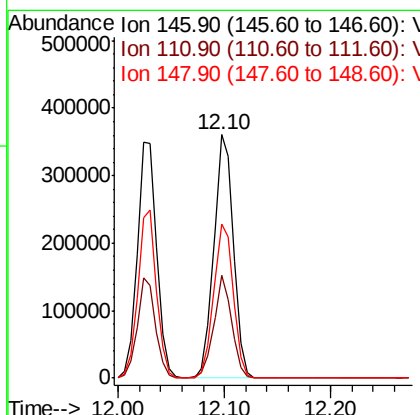
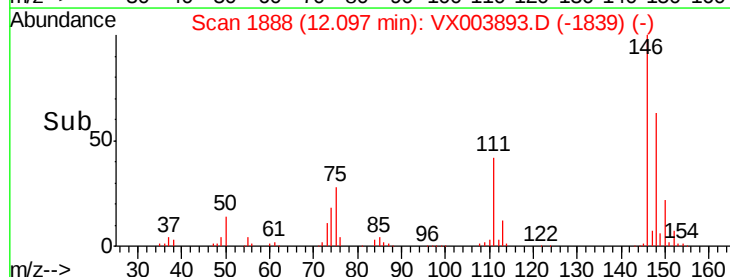
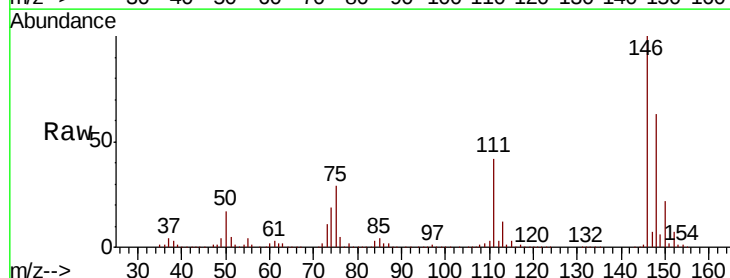
Manual Integrations
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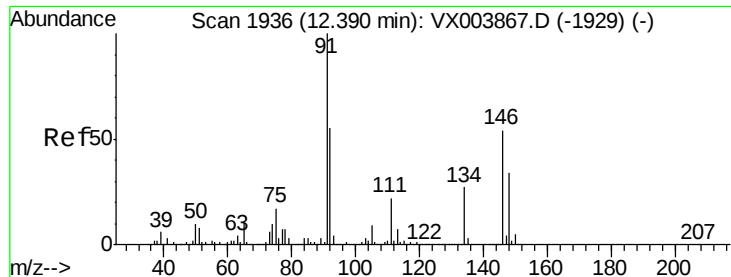
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#88
 1,4-Dichlorobenzene
 Concen: 47.47 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.4	55.0
148	63.6	32.3	96.8





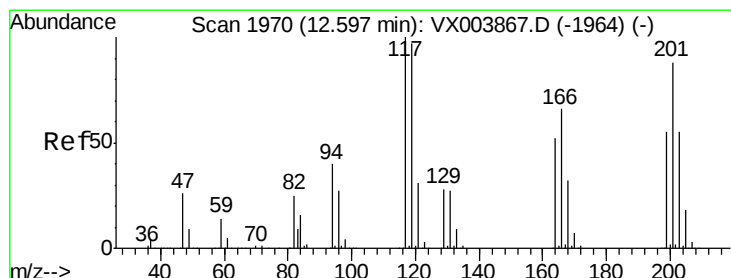
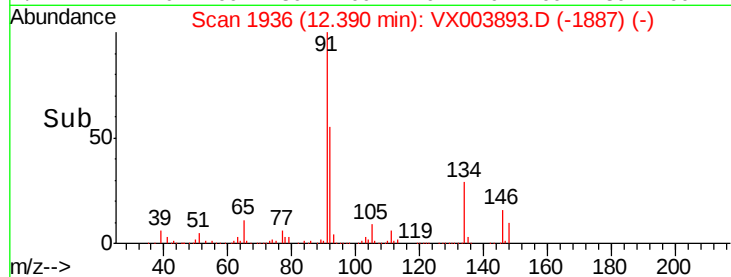
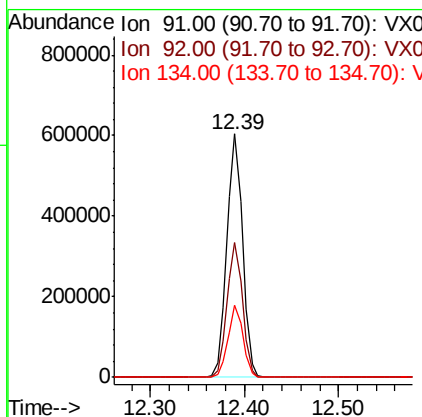
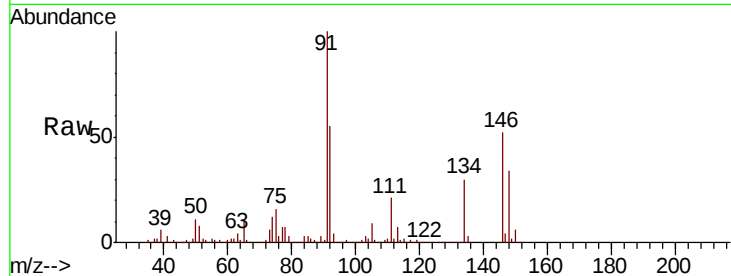
#89
n-Butylbenzene
Concen: 46.73 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.1	81.3
134	28.2	13.6	40.7

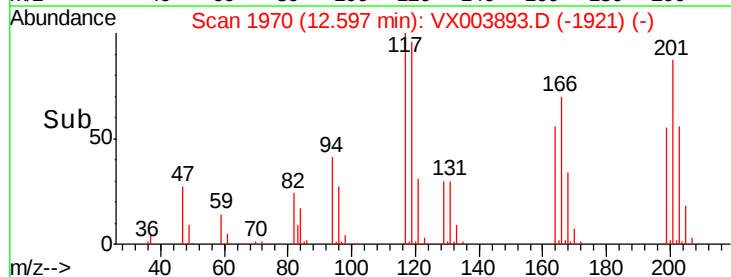
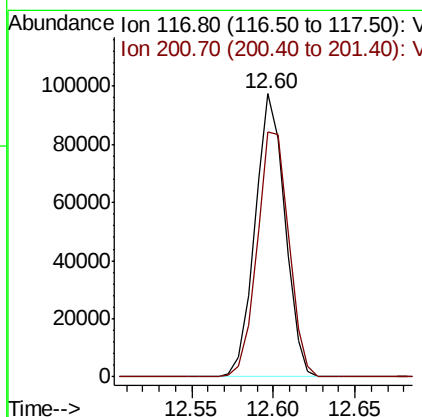
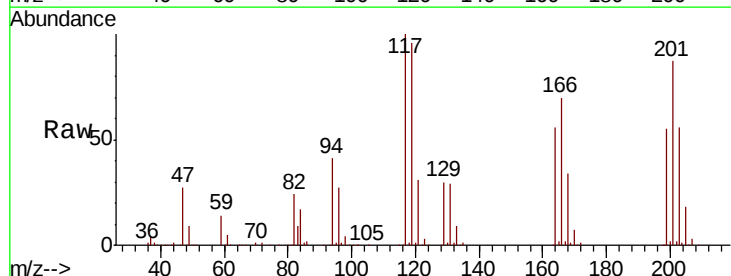
Manual Integrations
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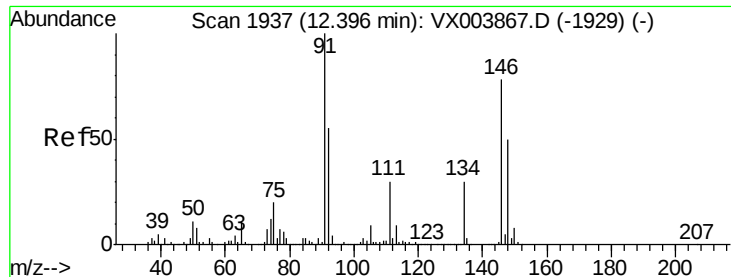
MMDadoda
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#90
Hexachloroethane
Concen: 44.60 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003893.D
Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	46.1	138.2





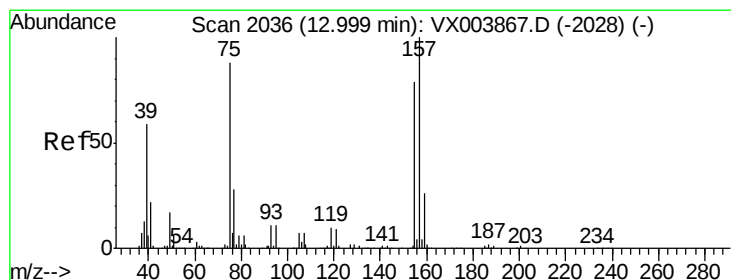
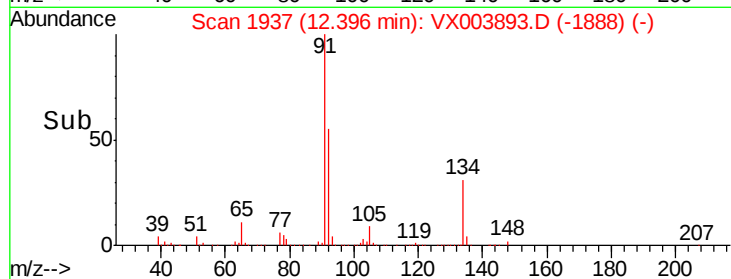
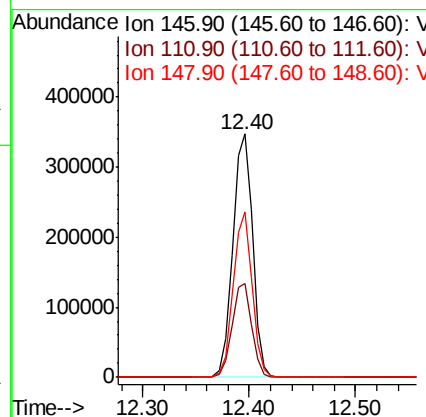
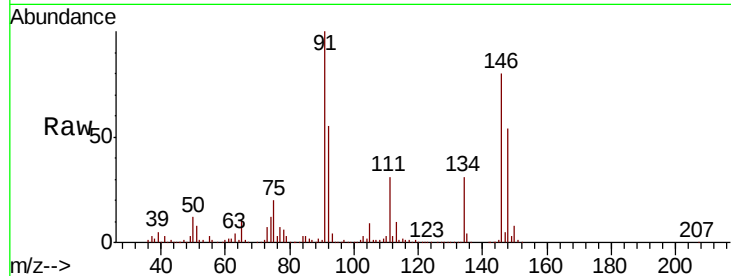
#91
 1,2-Dichlorobenzene
 Concen: 45.84 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	64.8	31.9	95.5

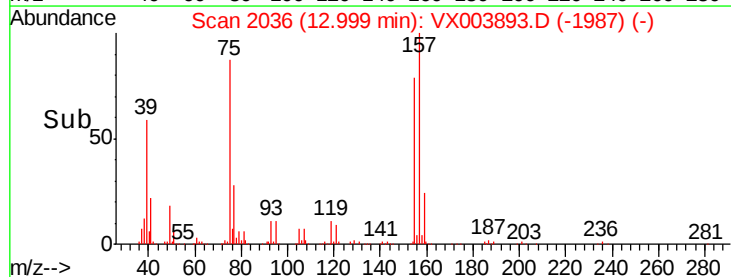
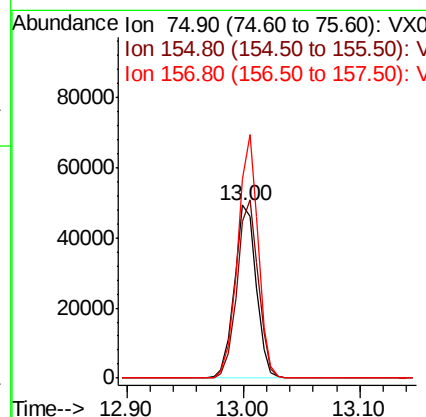
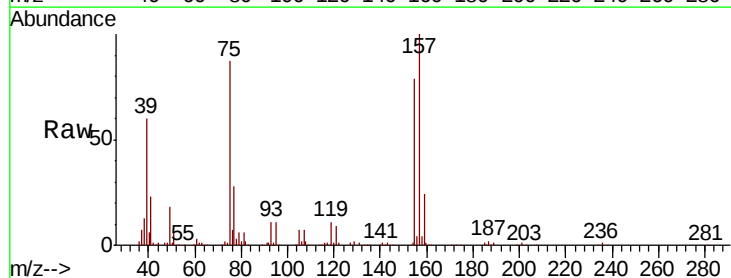
Manual Integrations
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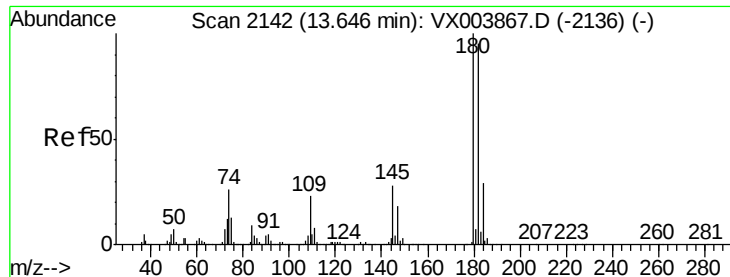
MMDadoda
 8/8/2018 12:02:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.34 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	48.7	146.1
157	131.5	62.6	187.8





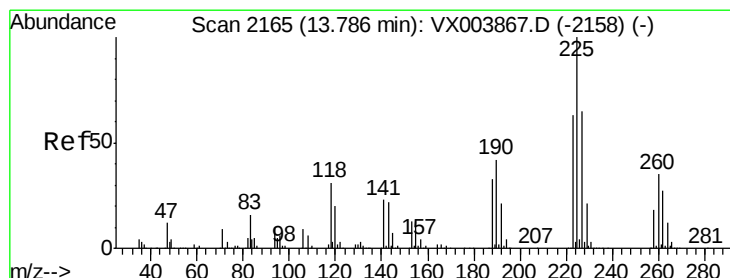
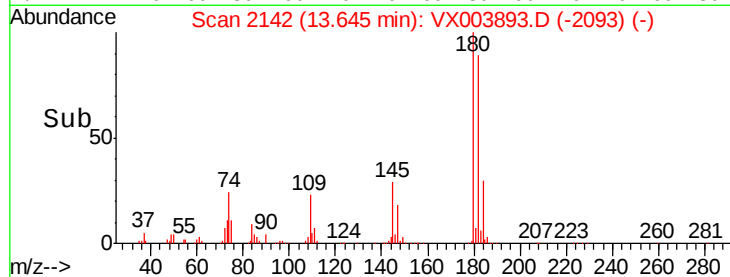
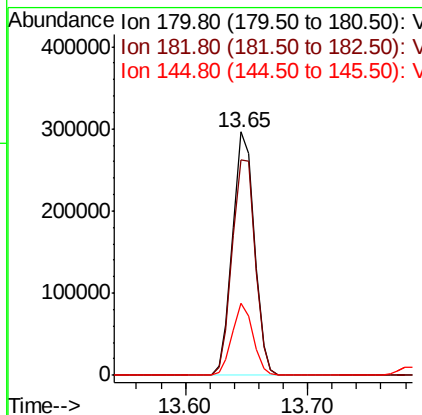
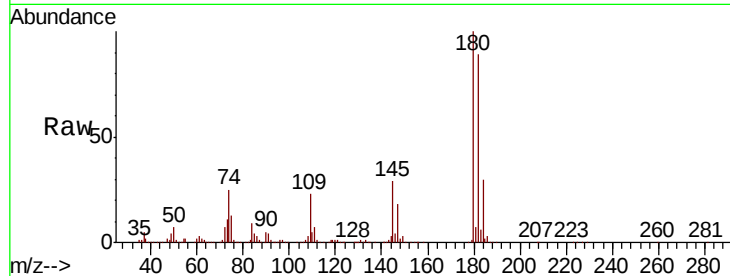
#93
 1,2,4-Trichlorobenzene
 Concen: 51.18 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	363884		
182	93.4	47.7	143.1	
145	28.2	13.9	41.6	

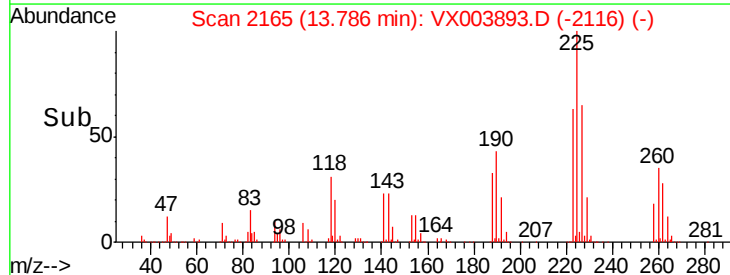
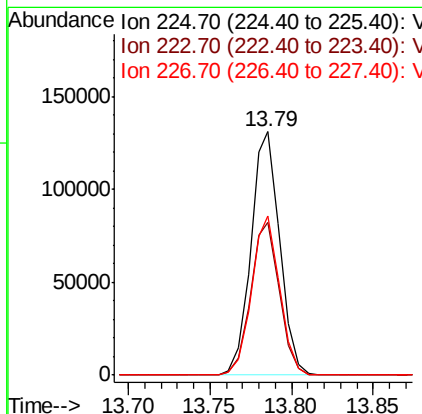
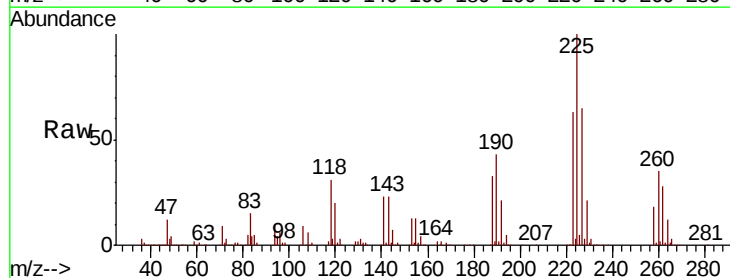
Manual Integrations
 APPROVED

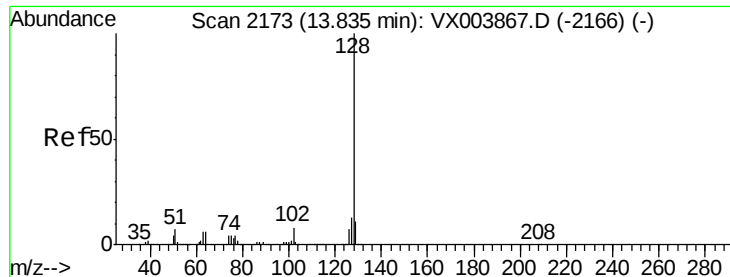
MMDadoda
 8/8/2018 12:02:14 PM



#94
 Hexachlorobutadiene
 Concen: 51.18 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003893.D
 Acq: 07 Aug 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	160566		
223	62.5	31.4	94.0	
227	63.4	32.1	96.5	





#95

Naphthalene

Concen: 56.39 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1148123

Ion Ratio Lower Upper

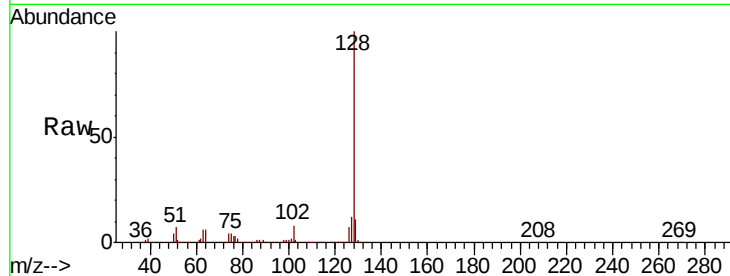
128 100

127 12.4 10.2 15.2

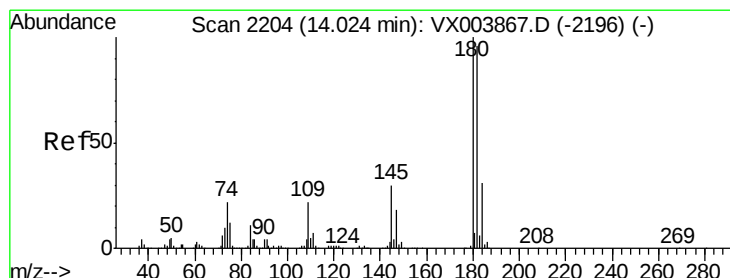
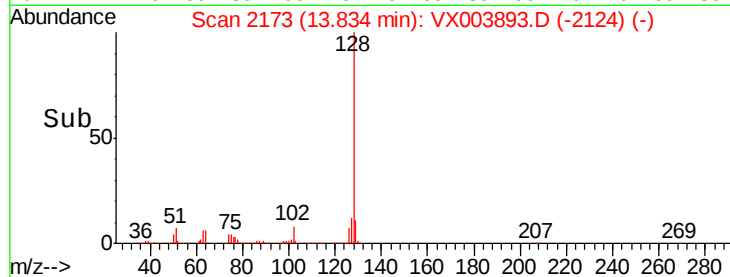
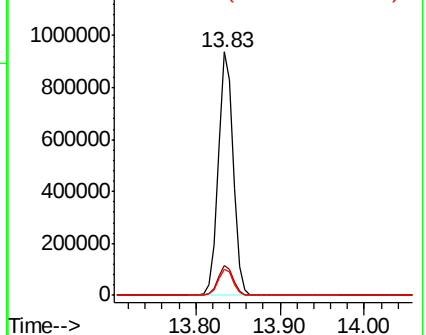
129 10.8 8.8 13.2

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:02:14 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.68 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003893.D

Acq: 07 Aug 2018 20:59

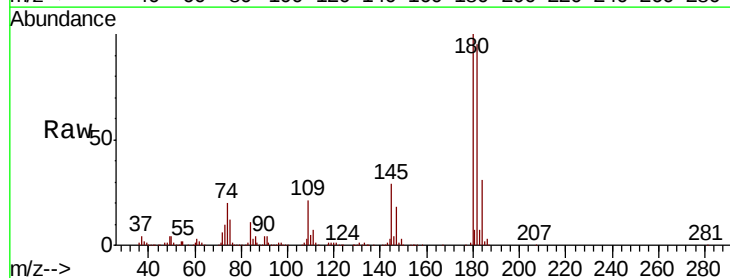
Tgt Ion:180 Resp: 373749

Ion Ratio Lower Upper

180 100

182 94.8 48.1 144.4

145 29.7 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

