

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003961.D
 Acq On : 09 Aug 2018 19:57
 Operator : JC/MD
 Sample : J4379-13MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103SMS

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:56:34 AM

Quant Time: Aug 10 03:07:32 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	315538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	479162	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	449305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	215560	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	5.51	113	181800	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	8.72	98	687958	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.14	95	260821	57.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	152625	47.73	ug/l	99
3) Chloromethane	1.32	50	181290	41.67	ug/l	100
4) Vinyl Chloride	1.40	62	202070	46.57	ug/l	98
5) Bromomethane	1.64	94	76475	32.11	ug/l	98
6) Chloroethane	1.71	64	157243	56.65	ug/l	98
7) Trichlorofluoromethane	1.92	101	280538	48.98	ug/l	99
8) Diethyl Ether	2.19	74	130878	50.83	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	170348	47.58	ug/l	100
10) Methyl Iodide	2.51	142	122483	27.50	ug/l	100
11) Tert butyl alcohol	3.08	59	285745	284.29	ug/l	100
12) 1,1-Dichloroethene	2.37	96	167365	49.42	ug/l	98
13) Acrolein	2.29	56	106369	204.66	ug/l	100
14) Allyl chloride	2.73	41	323083	49.49	ug/l	99
15) Acrylonitrile	3.15	53	622176	259.42	ug/l	100
16) Acetone	2.45	43	648877	260.76	ug/l	100
17) Carbon Disulfide	2.56	76	473449	49.33	ug/l	99
18) Methyl Acetate	2.78	43	284868	52.57	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	610390	50.86	ug/l	100
20) Methylene Chloride	2.85	84	200970	51.30	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	181665	47.25	ug/l	96
22) Diisopropyl ether	3.87	45	597320	49.77	ug/l	99
23) Vinyl Acetate	3.82	43	2418069	242.17	ug/l	100
24) 1,1-Dichloroethane	3.70	63	359784	50.47	ug/l	100
25) 2-Butanone	4.71	43	1041612	278.41	ug/l	98
26) 2,2-Dichloropropane	4.59	77	196247	38.17	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	213478	51.17	ug/l	95
28) Bromochloromethane	5.02	49	157734	51.71	ug/l	98
29) Tetrahydrofuran	5.17	42	516796	268.75	ug/l	100
30) Chloroform	5.21	83	341708	50.92	ug/l	99
31) Cyclohexane	5.57	56	297485	49.35	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	287592	51.10	ug/l	99
36) 1,1-Dichloropropene	5.80	75	259352	48.33	ug/l	100
37) Ethyl Acetate	4.87	43	286058	48.46	ug/l	99
38) Carbon Tetrachloride	5.78	117	255945	50.11	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	294091	46.48	ug/l	98
40) Benzene	6.14	78	859946	53.36	ug/l	100
41) Methacrylonitrile	5.06	41	166789	51.30	ug/l	99
42) 1,2-Dichloroethane	6.20	62	276528	50.75	ug/l	100
43) Isopropyl Acetate	6.47	43	446370	50.25	ug/l	99
44) Trichloroethene	7.21	130	208503	47.31	ug/l	94
45) 1,2-Dichloropropane	7.52	63	205235	49.32	ug/l	100
46) Dibromomethane	7.67	93	132840	49.17	ug/l	100
47) Bromodichloromethane	7.90	83	256664	50.43	ug/l	100
48) Methyl methacrylate	7.78	41	238300	52.77	ug/l	98
49) 1,4-Dioxane	7.76	88	116888	1098.77	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	2058328	279.53	ug/l	99
52) Toluene	8.79	92	505249	49.62	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	277178	48.18	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	296336	47.77	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	207069	49.77	ug/l	99
56) Ethyl methacrylate	9.18	69	321664	53.28	ug/l	100
57) 1,3-Dichloropropane	9.37	76	348560	50.05	ug/l	100
59) 2-Hexanone	9.50	43	1621589	294.60	ug/l	100
60) Dibromochloromethane	9.59	129	210265	54.20	ug/l	99
61) 1,2-Dibromoethane	9.68	107	218001	52.33	ug/l	100
64) Tetrachloroethene	9.34	164	188840	42.72	ug/l	96
65) Chlorobenzene	10.14	112	557412	47.68	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.23	131	200307	49.84	ug/l	98
67) Ethyl Benzene	10.26	91	949636	49.62	ug/l	99
68) m/p-Xylenes	10.36	106	756978	101.23	ug/l	95
69) o-Xylene	10.70	106	368050	52.14	ug/l	97
70) Styrene	10.71	104	606001	52.43	ug/l	98
71) Bromoform	10.86	173	167884	49.31	ug/l	99
73) Isopropylbenzene	11.02	105	968510	49.84	ug/l	97
74) N-amyl acetate	6.47	43	446370	44.17	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	336180	50.48	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	295941m	51.01	ug/l	
77) Bromobenzene	11.26	156	254362	49.07	ug/l	100
78) n-propylbenzene	11.36	91	1090670	49.98	ug/l	99
79) 2-Chlorotoluene	11.42	91	653631	49.13	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	808821	51.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	88344	41.80	ug/l	98
82) 4-Chlorotoluene	11.51	91	766020	49.15	ug/l	100
83) tert-Butylbenzene	11.77	119	815850	52.34	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	842800	52.90	ug/l	99
85) sec-Butylbenzene	11.95	105	944348	51.33	ug/l	99
86) p-Isopropyltoluene	12.07	119	822154	49.81	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	458552	47.85	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	454210	49.43	ug/l	100
89) n-Butylbenzene	12.39	91	634587	44.12	ug/l	100
90) Hexachloroethane	12.60	117	117241	43.74	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	418547	44.07	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	66133	48.47	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	335398	49.10	ug/l	99

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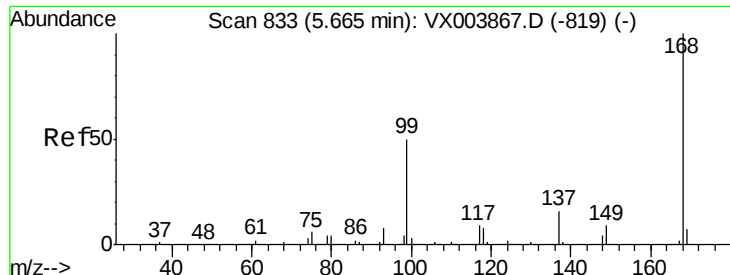
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	155036	51.43	ug/l	99
95) Naphthalene	13.83	128	1401664	71.64	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	363539	53.33	ug/l	99

(#) = 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: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion:168 Resp: 315538

Ion Ratio Lower Upper

168 100

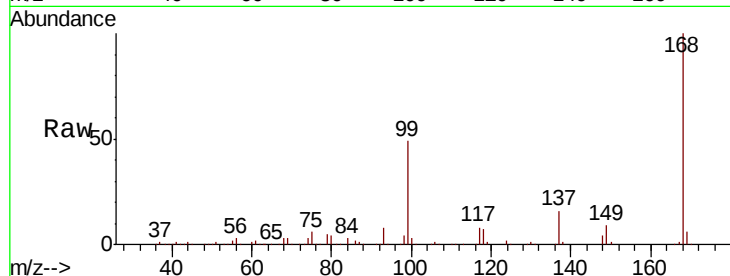
99 48.6 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

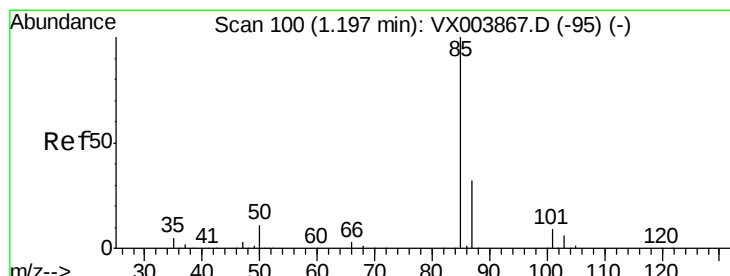
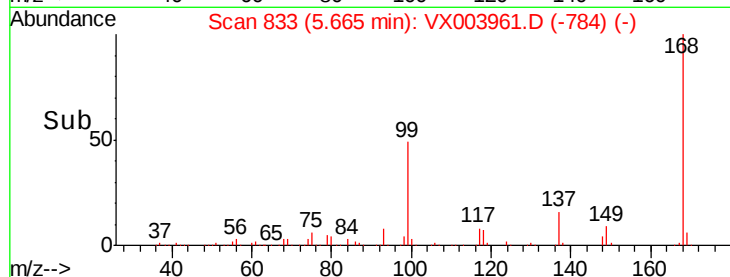
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 47.73 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003961.D

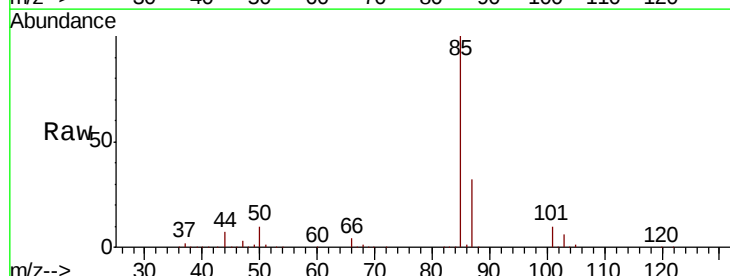
Acq: 09 Aug 2018 19:57

Tgt Ion: 85 Resp: 152625

Ion Ratio Lower Upper

85 100

87 32.5 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

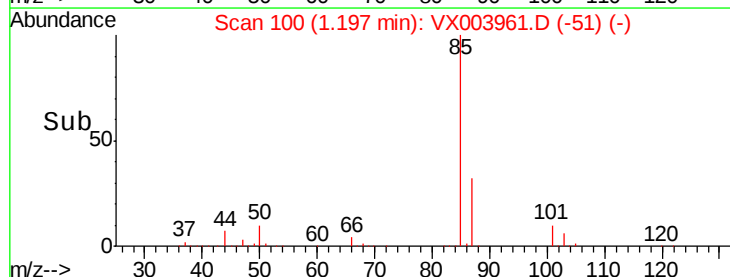
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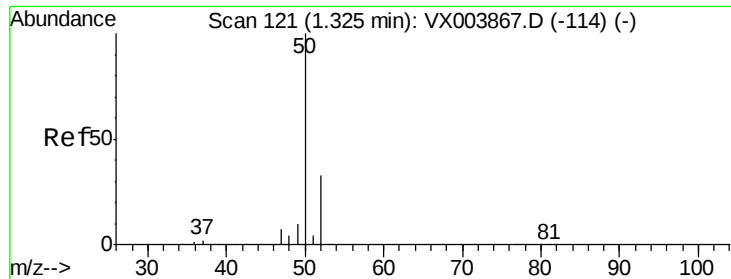
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 41.67 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion: 50 Resp: 181290

Ion Ratio Lower Upper

50 100

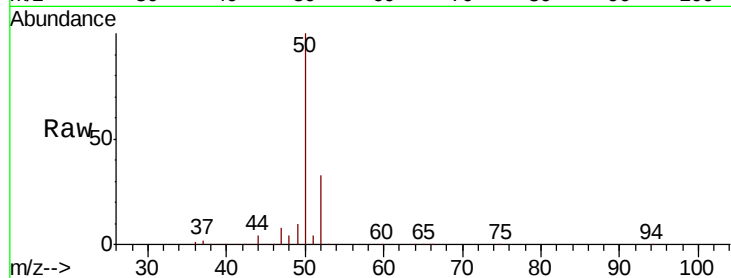
52 33.3 26.6 39.8

Manual Integrations

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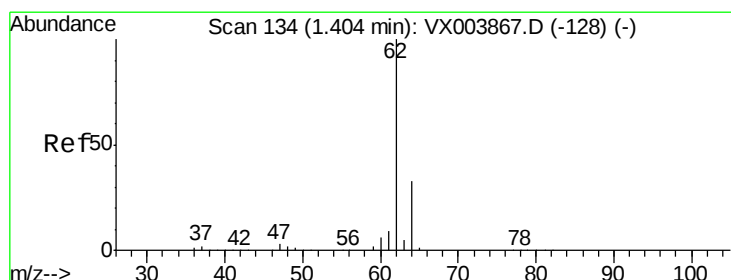
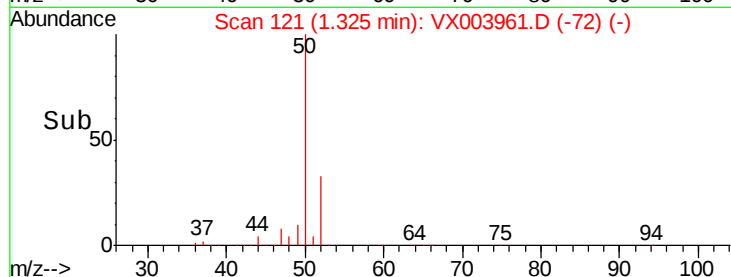
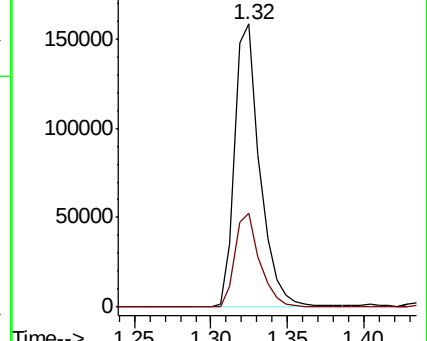
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.57 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003961.D

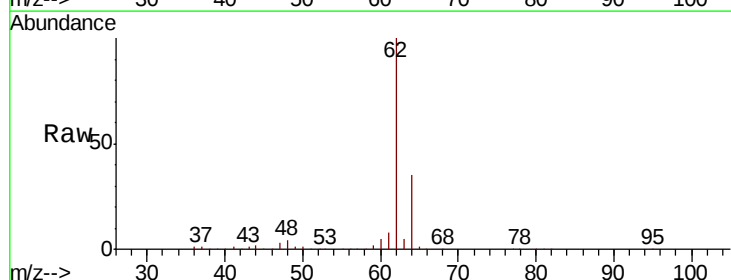
Acq: 09 Aug 2018 19:57

Tgt Ion: 62 Resp: 202070

Ion Ratio Lower Upper

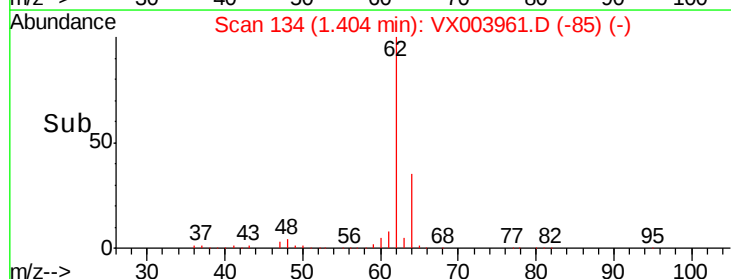
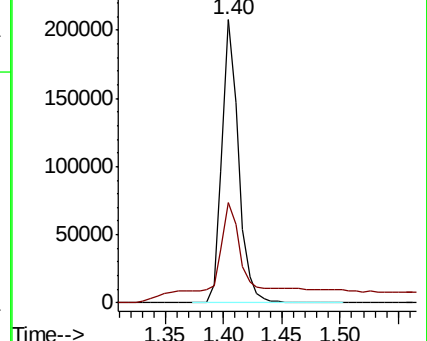
62 100

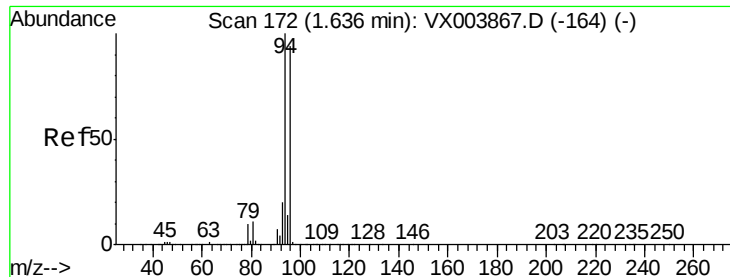
64 31.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 32.11 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003961.D

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Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion: 94 Resp: 76475

Ion Ratio Lower Upper

94 100

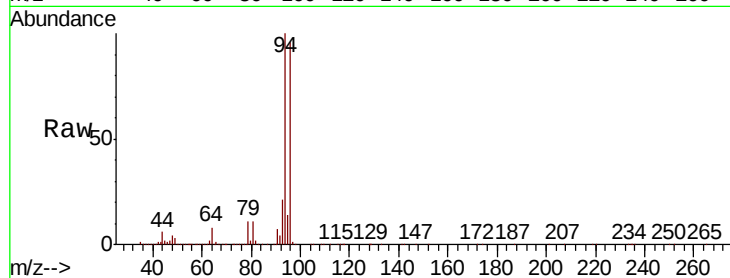
96 95.6 75.2 112.8

Manual Integrations

APPROVED

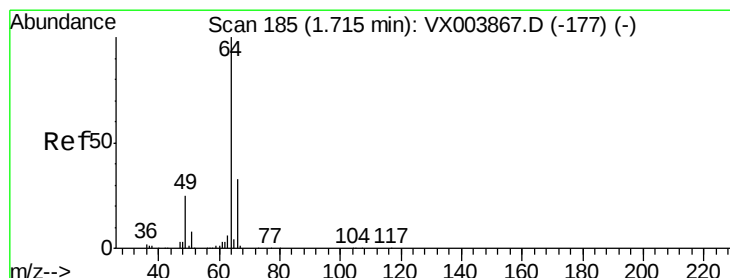
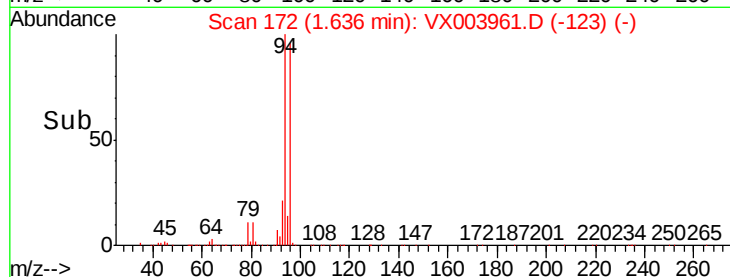
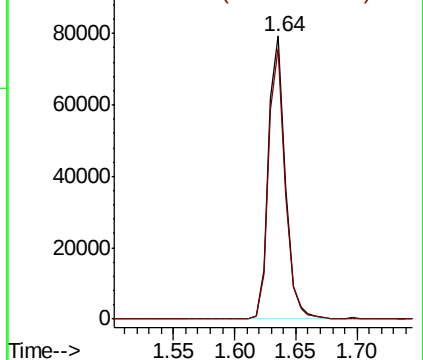
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 56.65 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003961.D

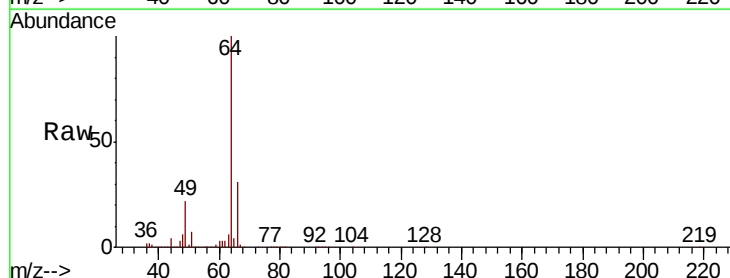
Acq: 09 Aug 2018 19:57

Tgt Ion: 64 Resp: 157243

Ion Ratio Lower Upper

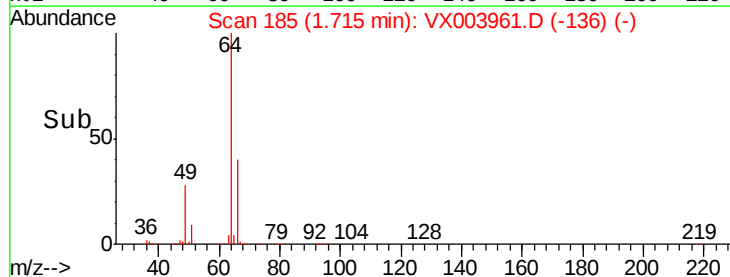
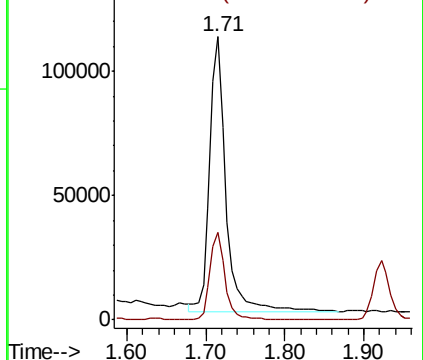
64 100

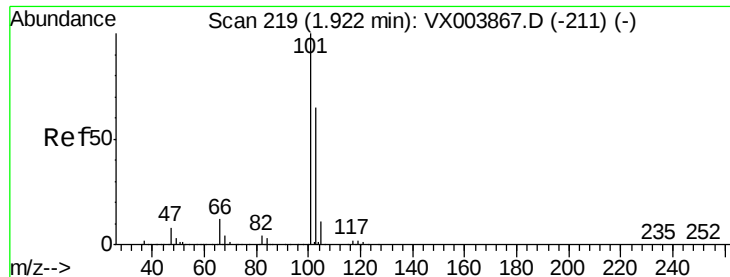
66 31.8 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

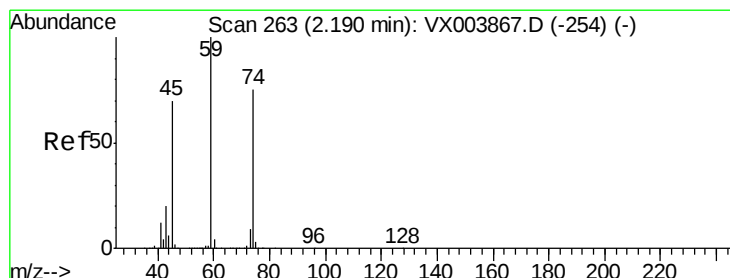
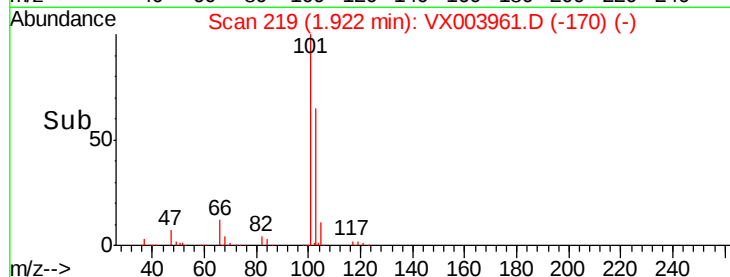
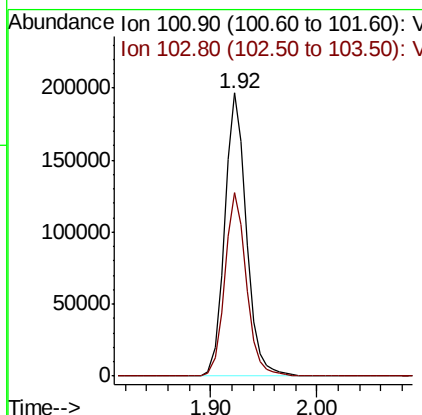
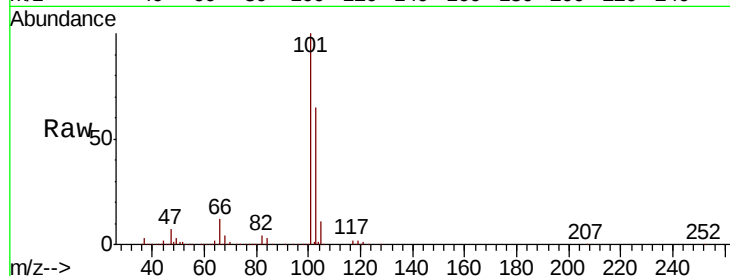
Trichlorofluoromethane
 Concen: 48.98 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

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 MW-103SMS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.3	78.5

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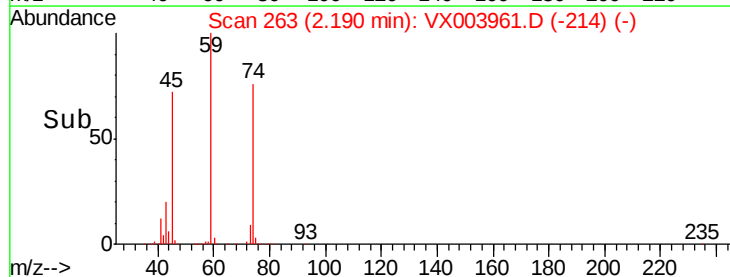
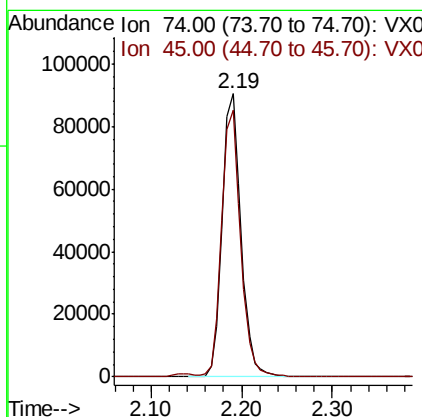
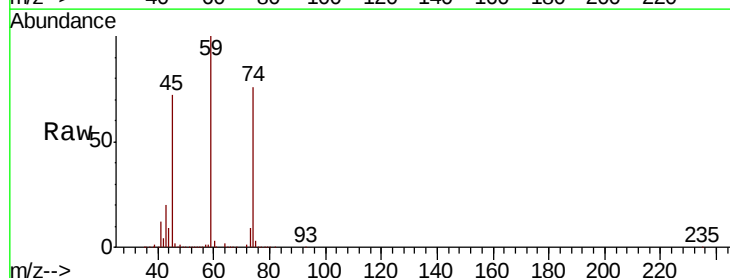
MMDadoda
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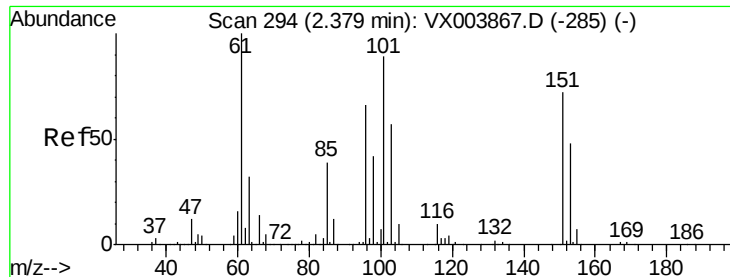


#8

Diethyl Ether
 Concen: 50.83 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.58 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

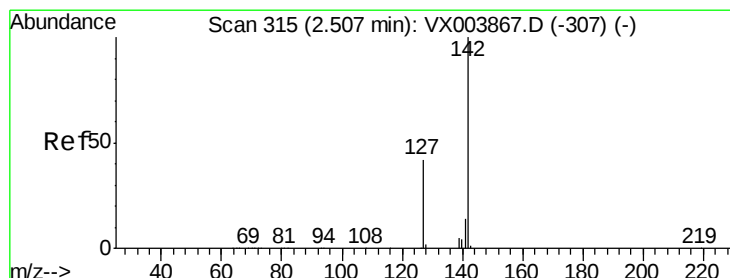
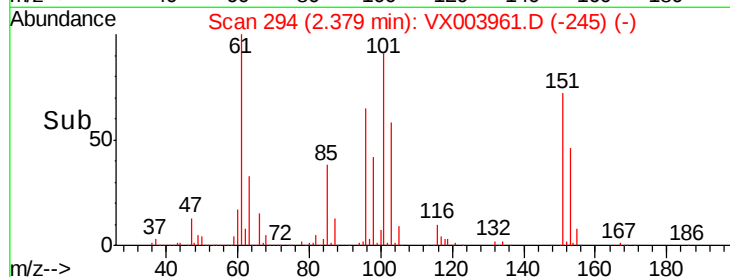
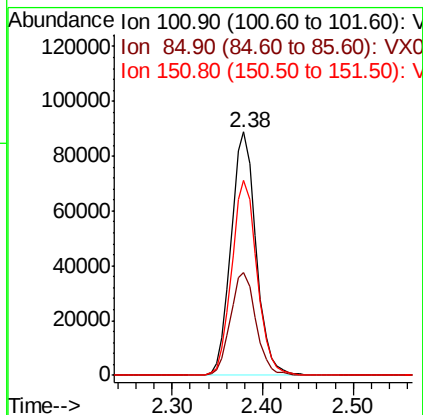
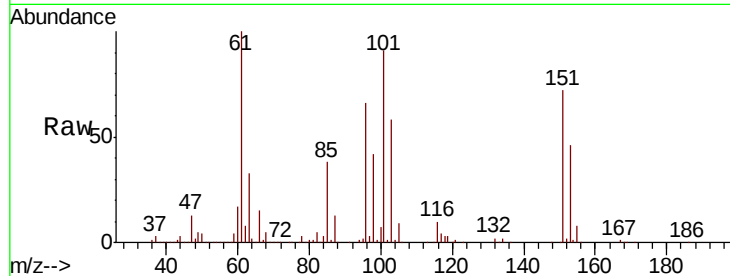
ClientSampleId :

MW-103SMS

Tot Ion:	101	Resp:	170348
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	81.0	65.0	97.4

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#10

Methyl Iodide

Concen: 27.50 ug/l

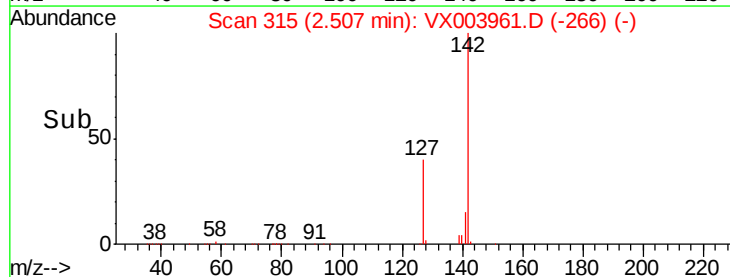
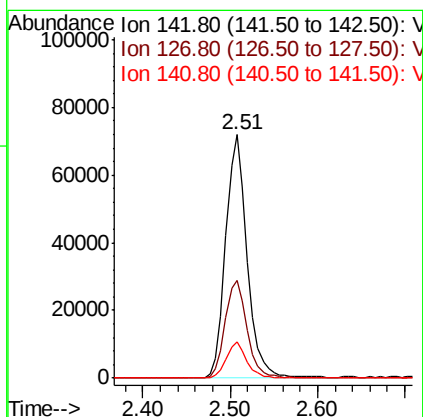
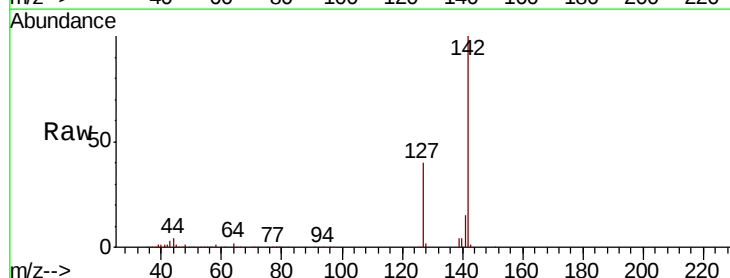
RT: 2.51 min Scan# 315

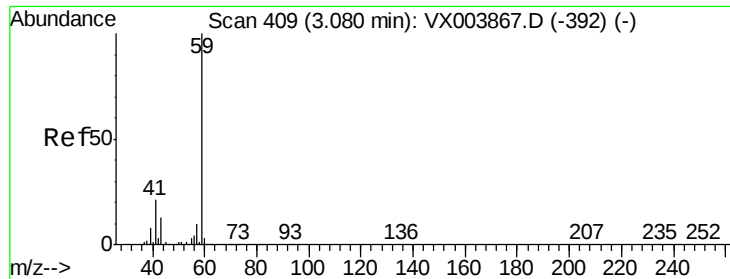
Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Tgt Ion:	142	Resp:	122483
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.1	49.7
141	14.2	11.1	16.7





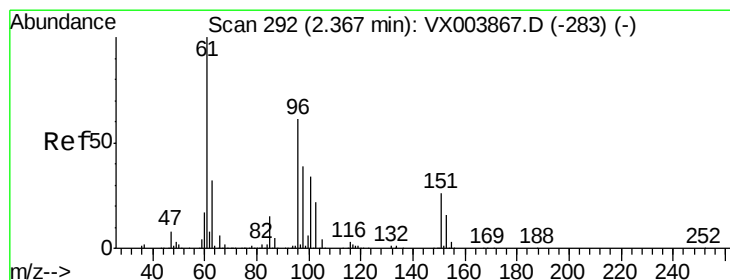
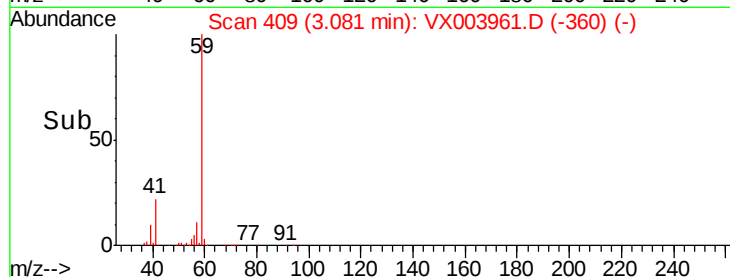
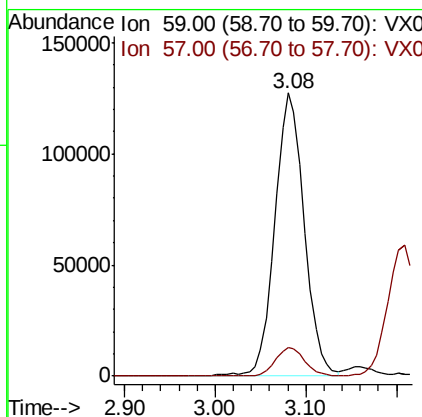
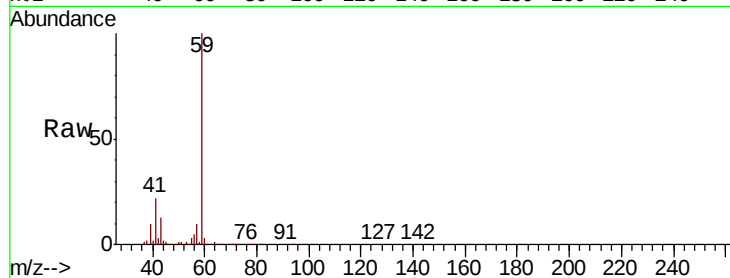
#11
Tert butyl alcohol
Concen: 284.29 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-103SMS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

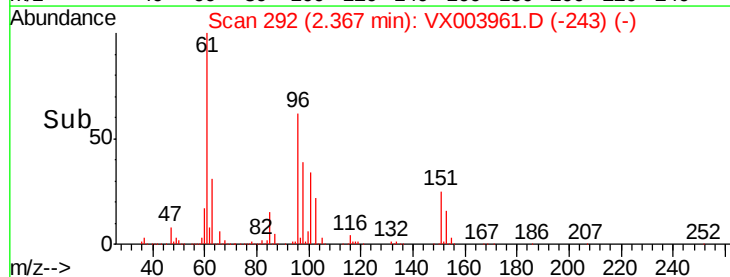
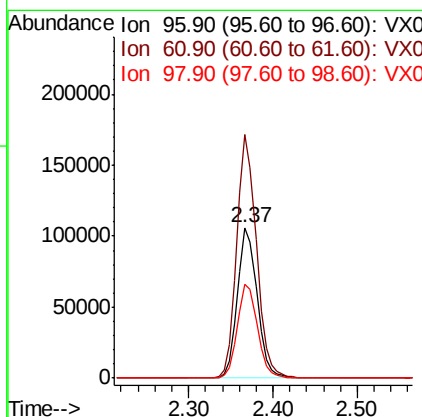
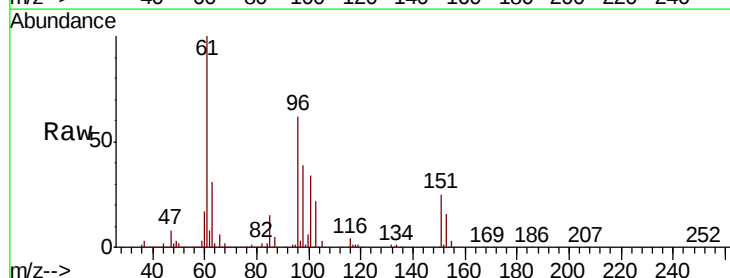
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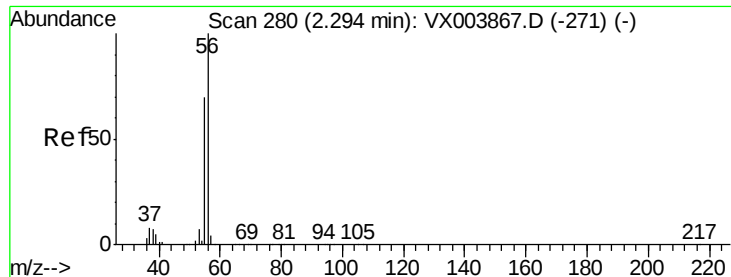
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.42 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.6	131.3	196.9
98	62.3	51.8	77.6





#13

Acrolein

Concen: 204.66 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion: 56 Resp: 106369

Ion Ratio Lower Upper

56 100

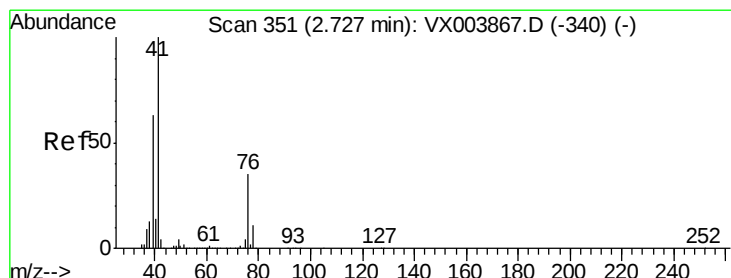
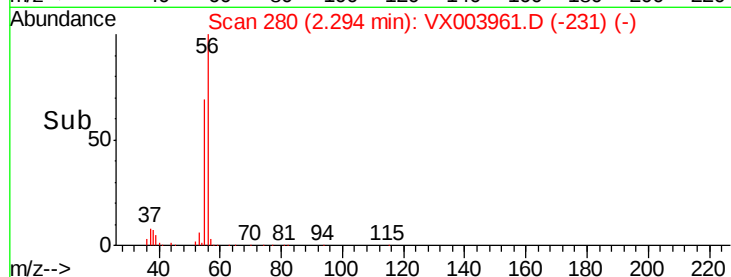
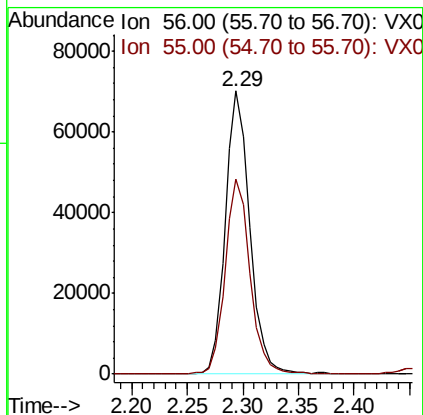
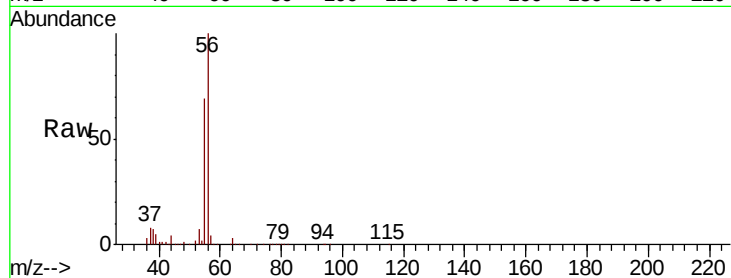
55 70.2 56.1 84.1

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#14

Allyl chloride

Concen: 49.49 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

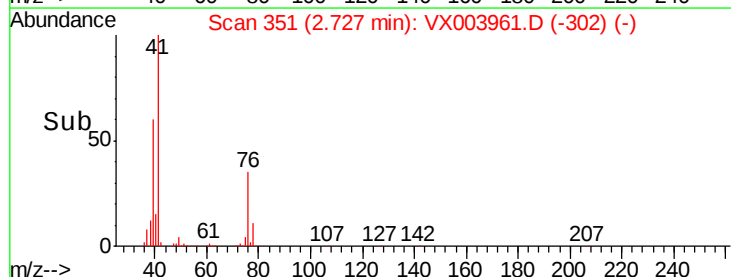
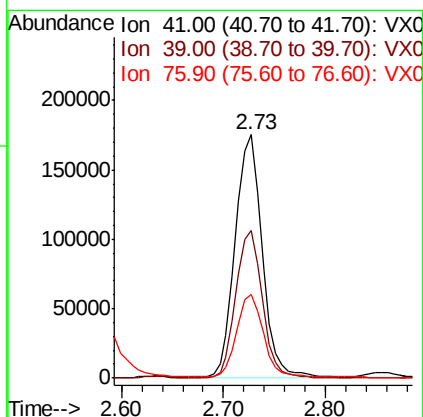
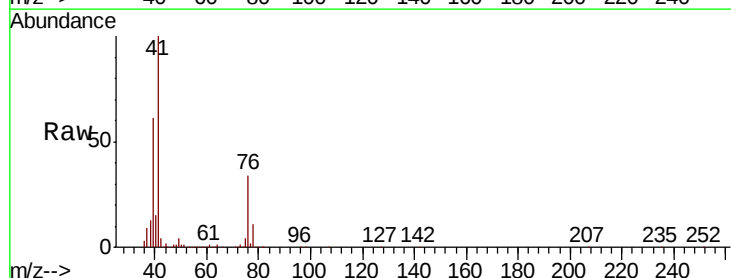
Tgt Ion: 41 Resp: 323083

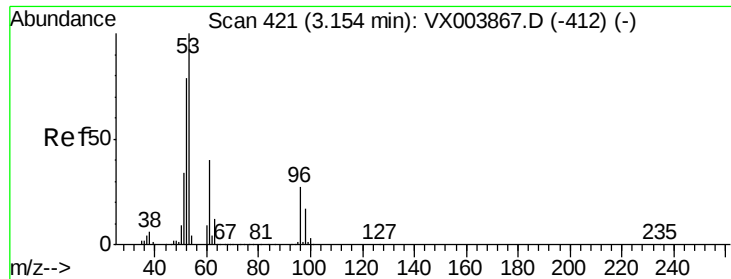
Ion Ratio Lower Upper

41 100

39 59.3 47.4 71.0

76 34.6 26.0 39.0





#15

Acrylonitrile

Concen: 259.42 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

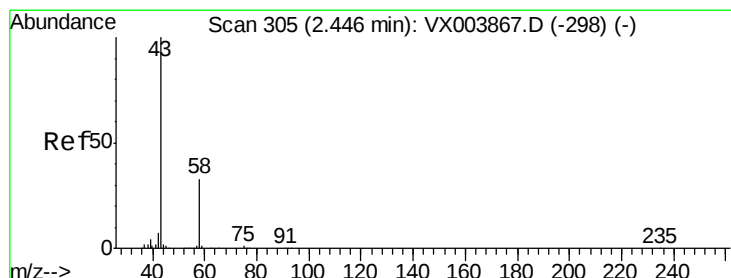
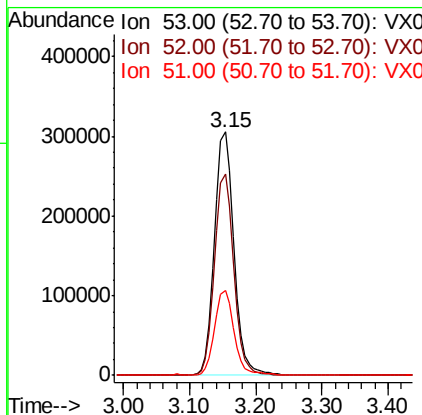
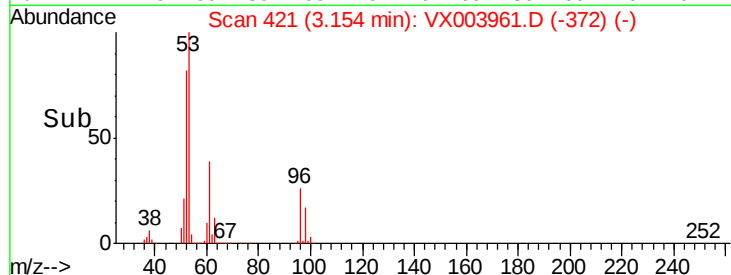
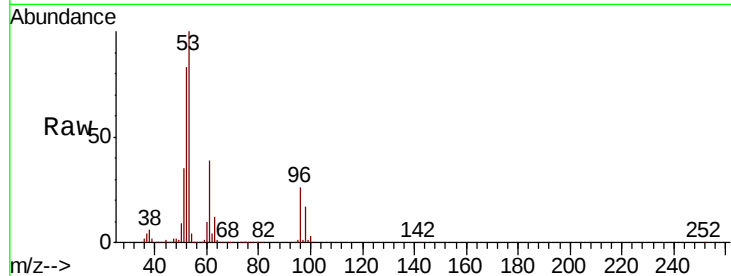
ClientSampleId :

MW-103SMS

Tot Ion:	53	Resp:	622176
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.3	97.9
51	35.0	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 260.76 ug/l

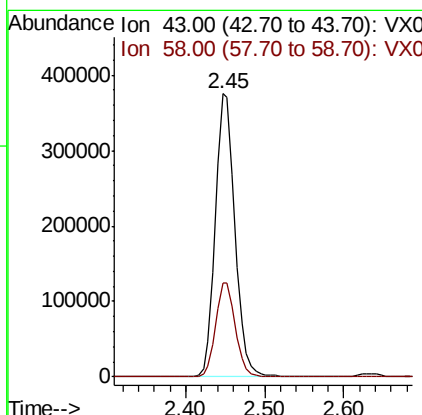
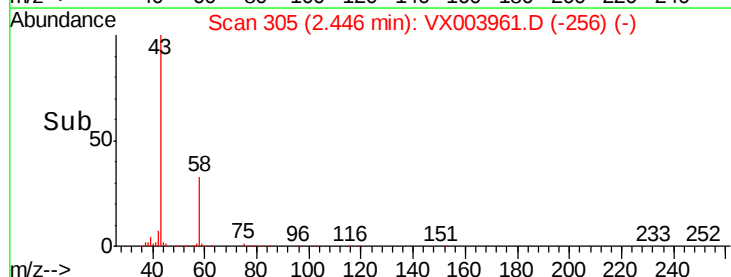
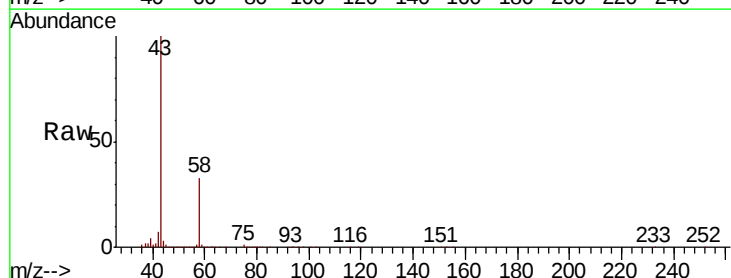
RT: 2.45 min Scan# 305

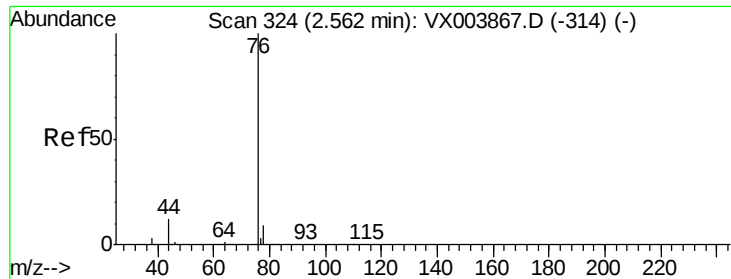
Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Tgt Ion:	43	Resp:	648877
Ion Ratio	Lower	Upper	
43	100		
58	33.2	26.4	39.6





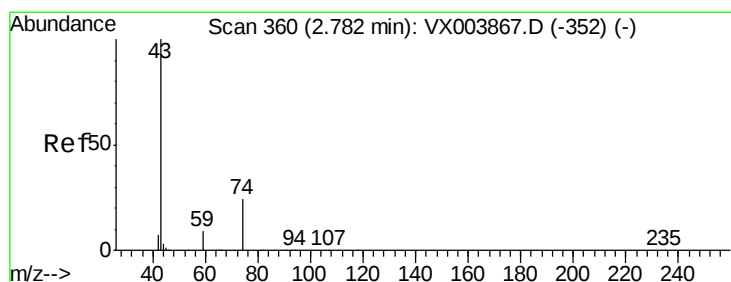
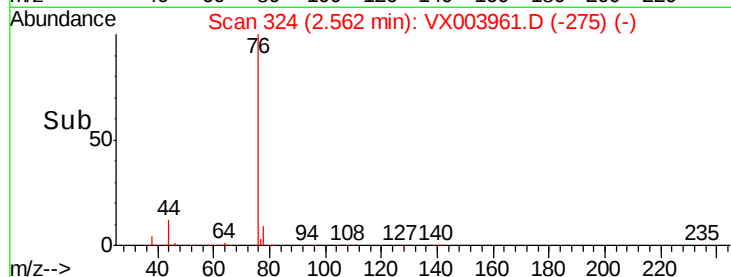
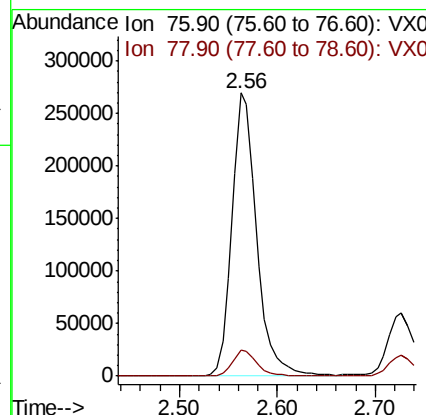
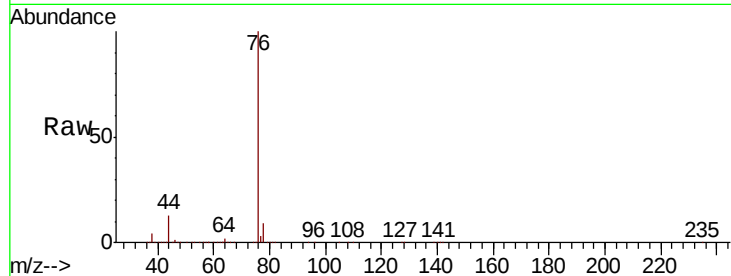
#17
Carbon Disulfide
Concen: 49.33 ug/l
RT: 2.56 min Scan# 324
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-103SMS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

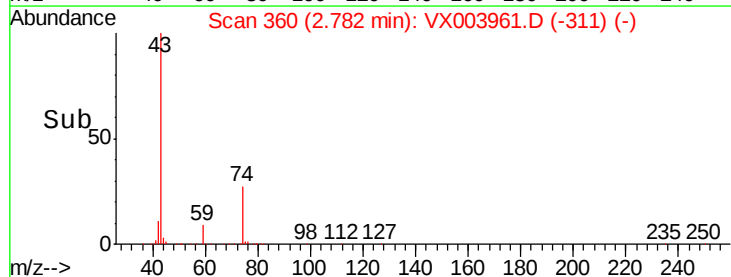
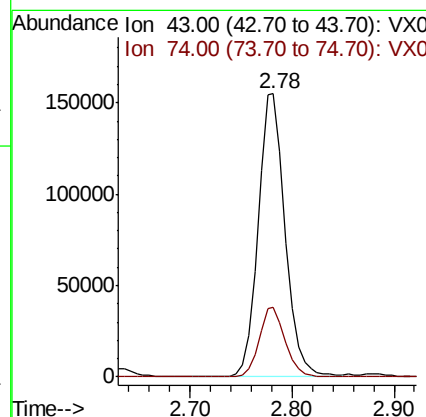
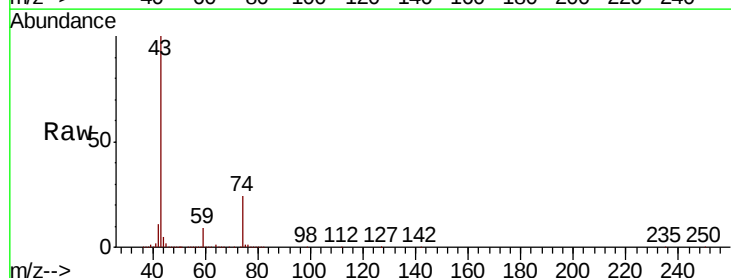
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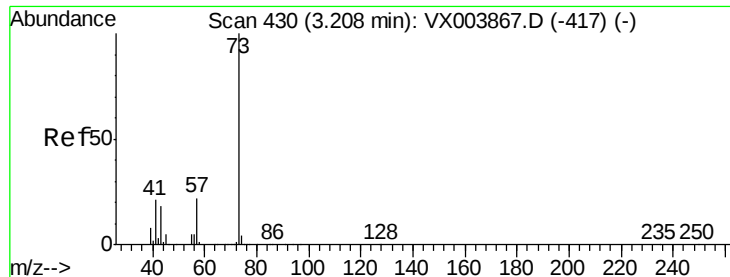
MMDadoda
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#18
Methyl Acetate
Concen: 52.57 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.9	28.3





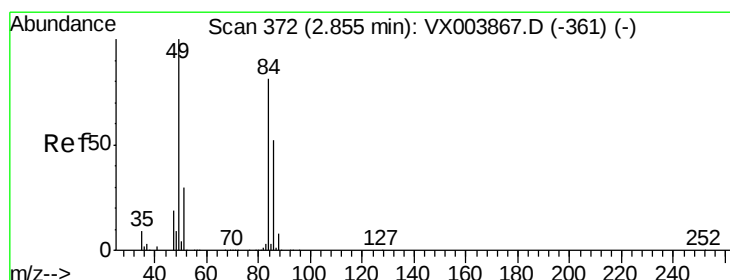
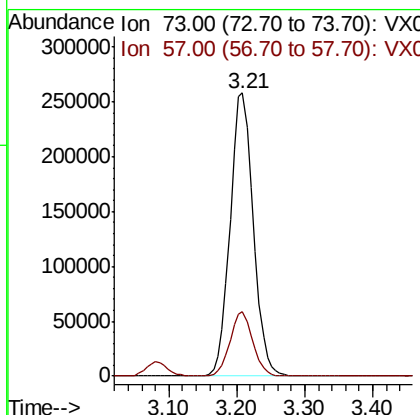
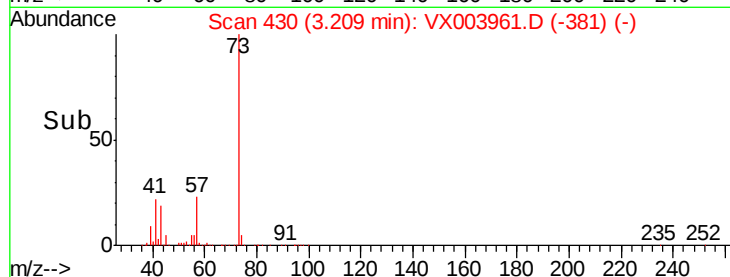
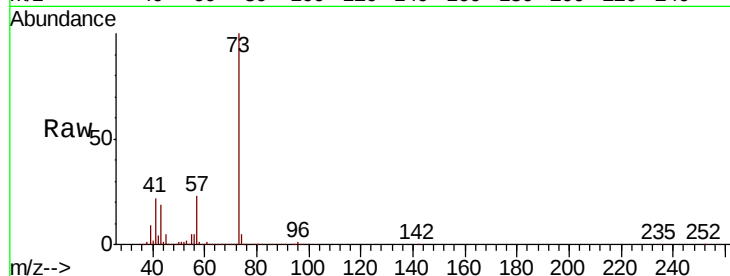
#19
Methyl tert-butyl Ether
Concen: 50.86 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-103SMS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.0	27.0

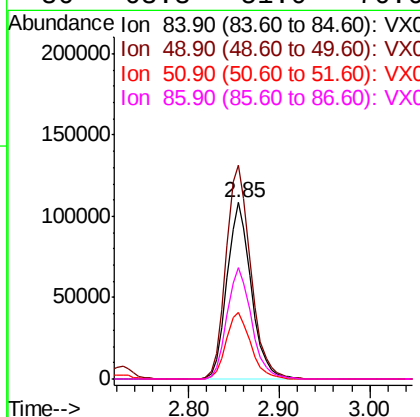
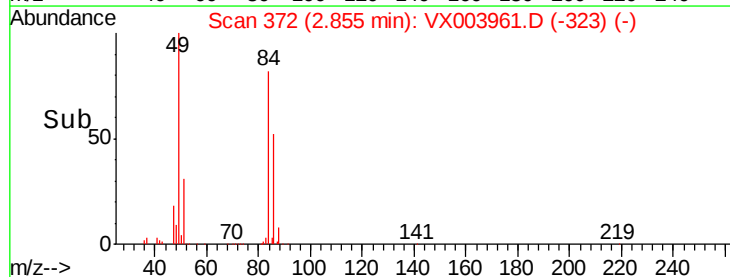
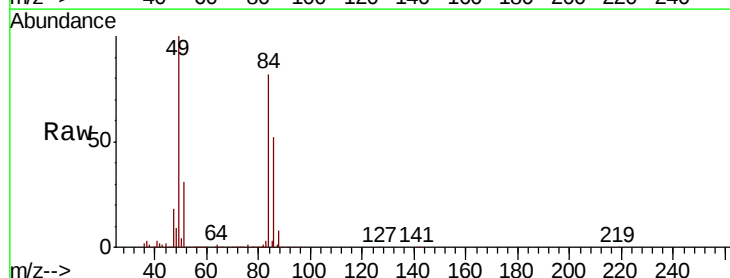
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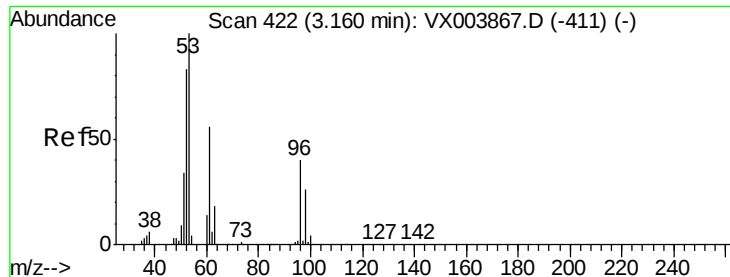
MMDadoda
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#20
Methylene Chloride
Concen: 51.30 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	98.9	148.3
51	37.4	29.9	44.9
86	63.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 47.25 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

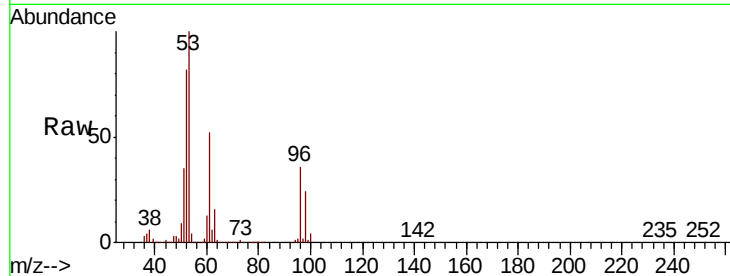
ClientSampled :

MW-103SMS

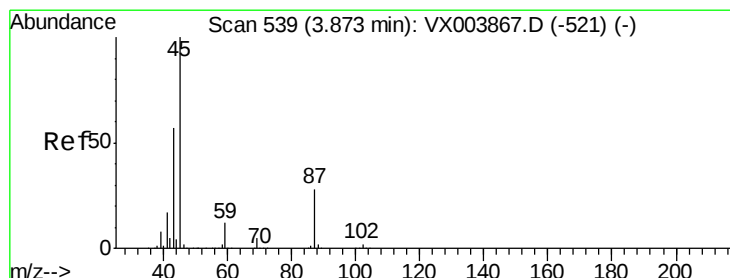
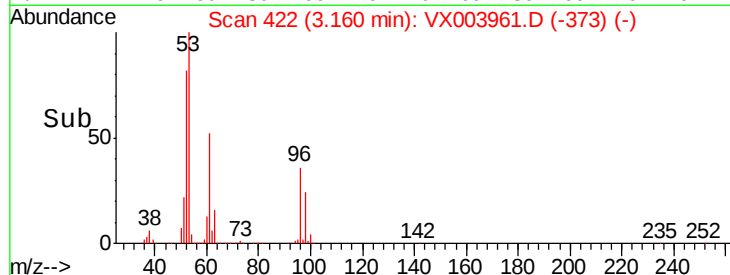
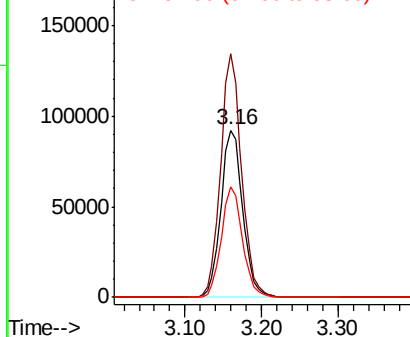
Tot Ion:	96	Resp:	181665
Ion	Ratio	Lower	Upper
96	100		
61	145.5	111.8	167.6
98	66.4	51.8	77.6

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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: 49.77 ug/l

RT: 3.87 min Scan# 539

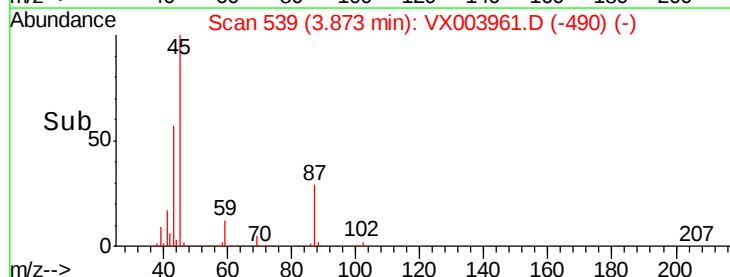
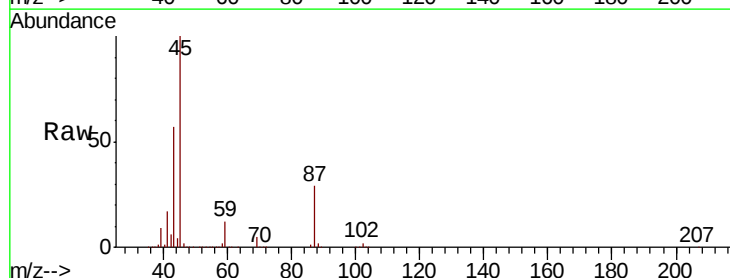
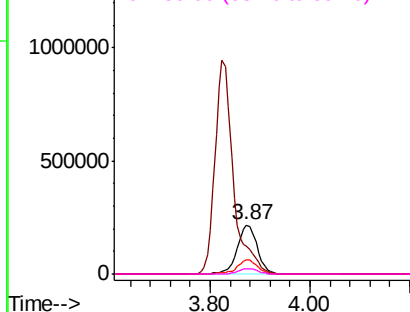
Delta R.T. 0.00 min

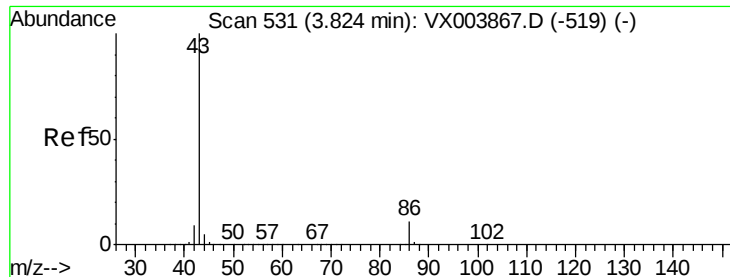
Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Tgt Ion:	45	Resp:	597320
Ion	Ratio	Lower	Upper
45	100		
43	57.0	45.3	67.9
87	28.9	22.7	34.1
59	11.7	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: 242.17 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion: 43 Resp: 2418069

Ion Ratio Lower Upper

43 100

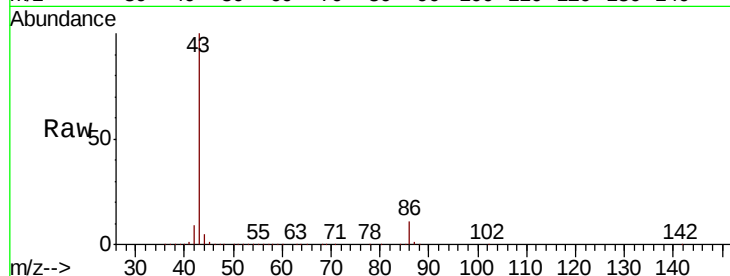
86 11.2 8.9 13.3

Manual Integrations

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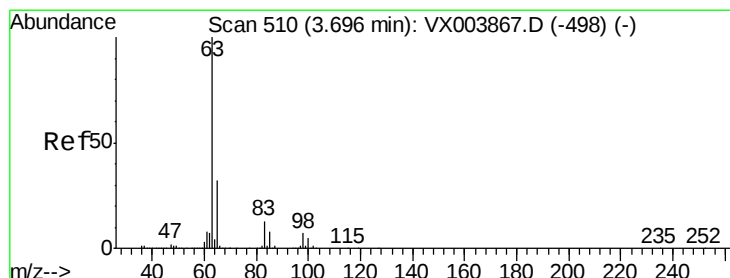
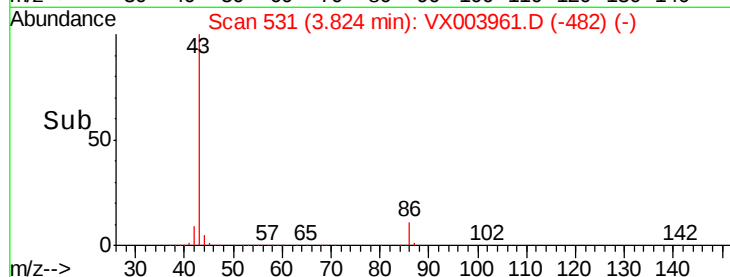
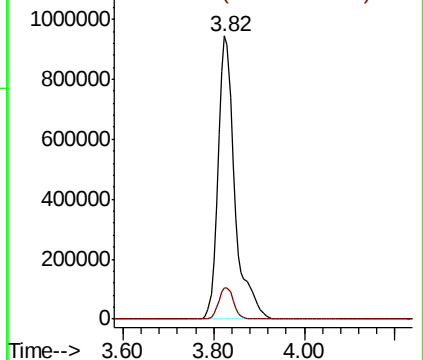
MMDadoda

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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: 50.47 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

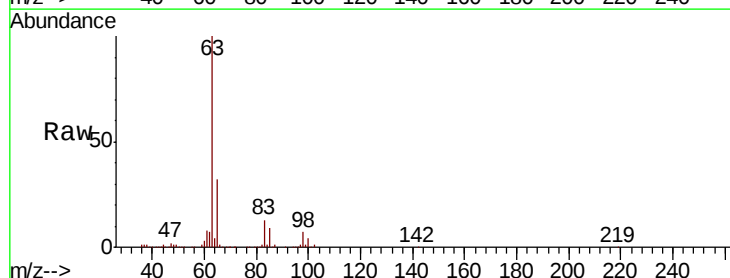
Tgt Ion: 63 Resp: 359784

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

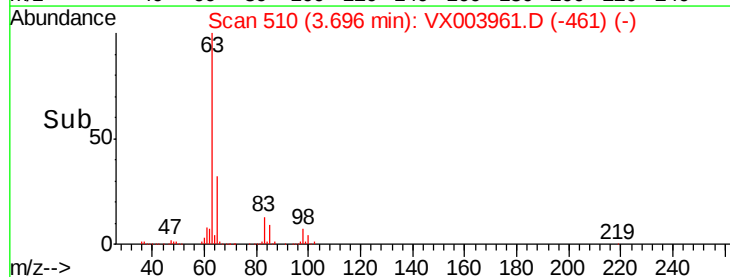
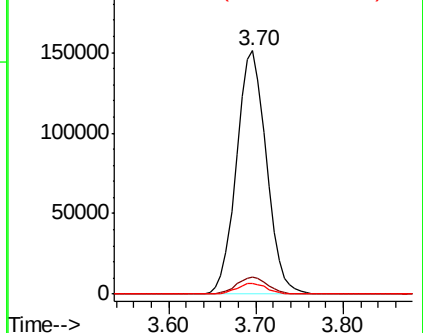
100 4.4 2.3 6.8

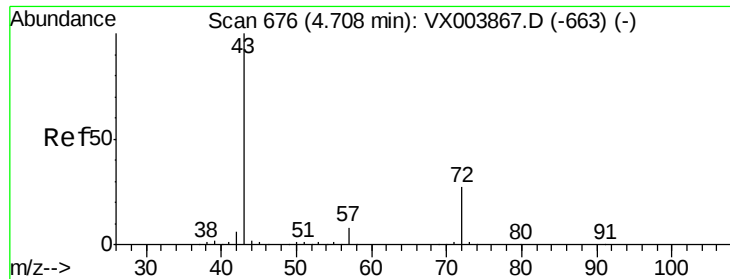


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 278.41 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion: 43 Resp: 1041612

Ion Ratio Lower Upper

43 100

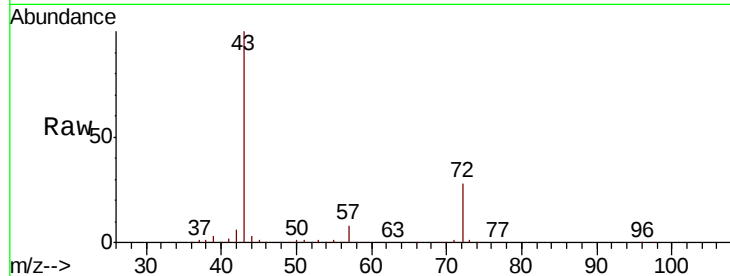
72 27.5 21.4 32.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

400000

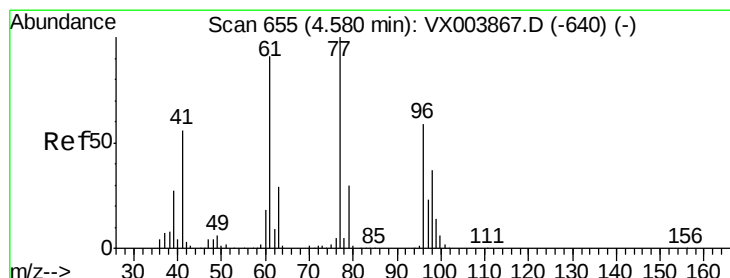
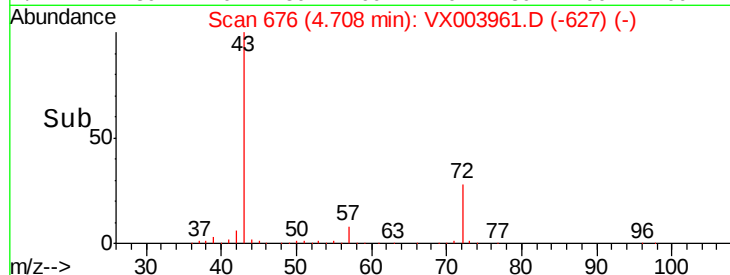
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 38.17 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003961.D

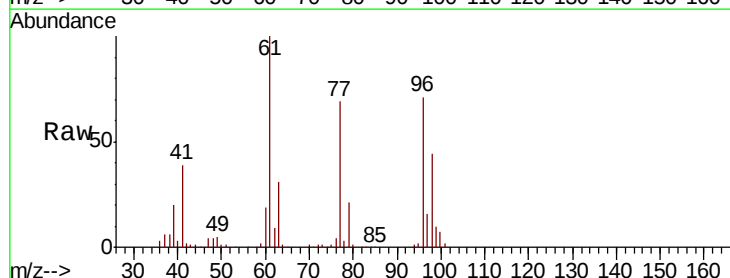
Acq: 09 Aug 2018 19:57

Tgt Ion: 77 Resp: 196247

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

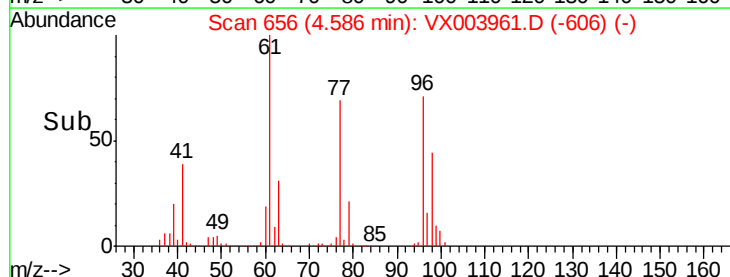
60000

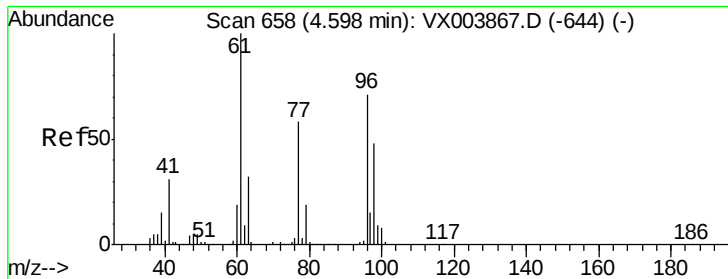
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.17 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

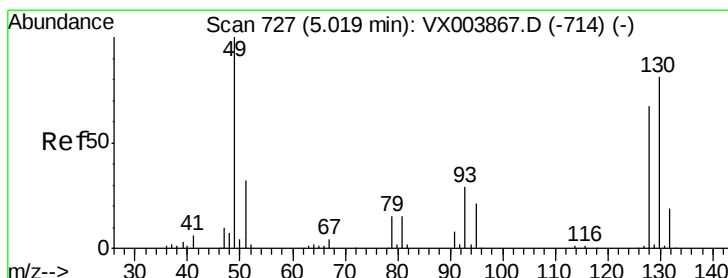
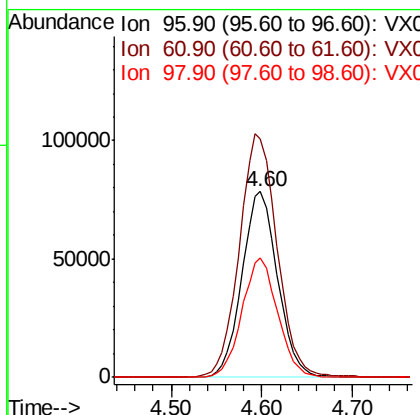
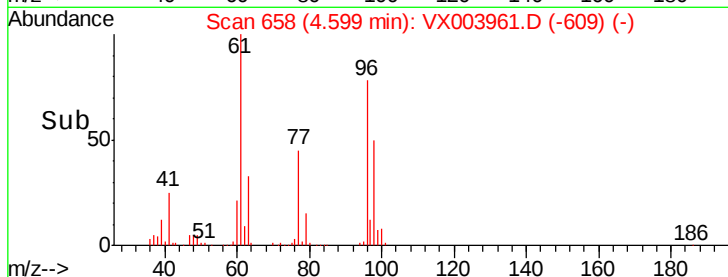
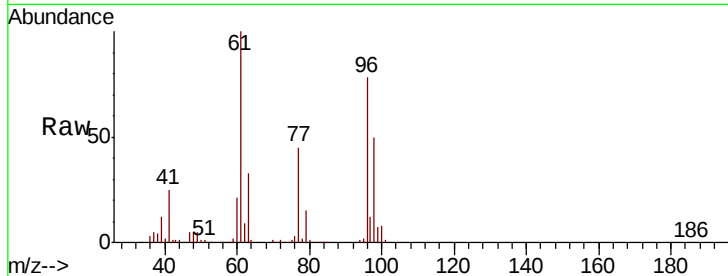
ClientSampleId :

MW-103SMS

Tot Ion:	96	Resp:	213478
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	293.0
98	64.3	0.0	131.8

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#28

Bromochloromethane

Concen: 51.71 ug/l

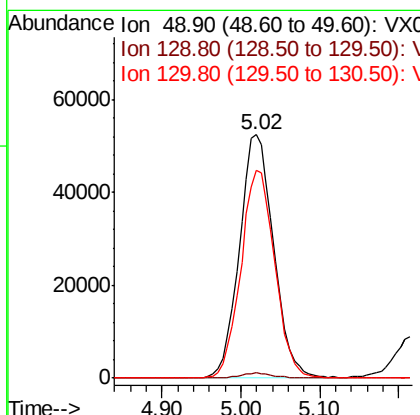
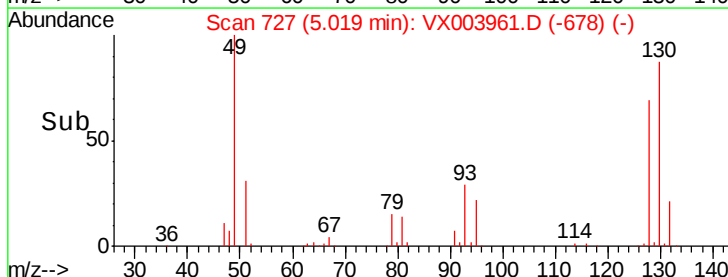
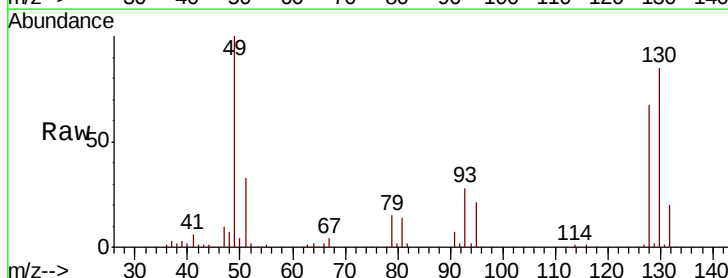
RT: 5.02 min Scan# 727

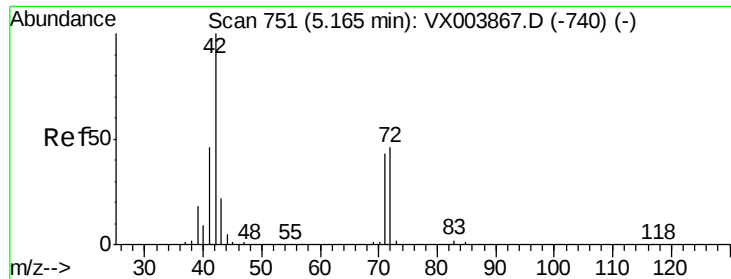
Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Tgt Ion:	49	Resp:	157734
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	84.5	66.5	99.7





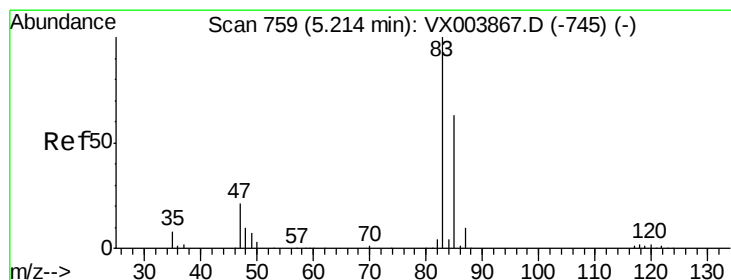
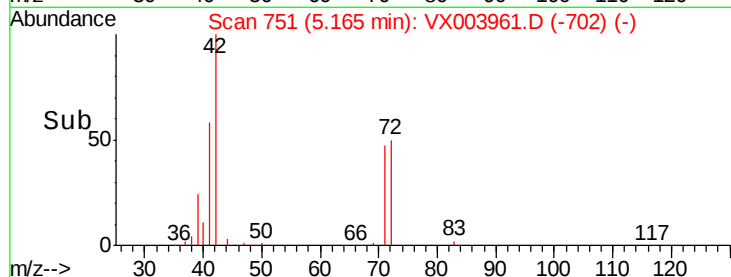
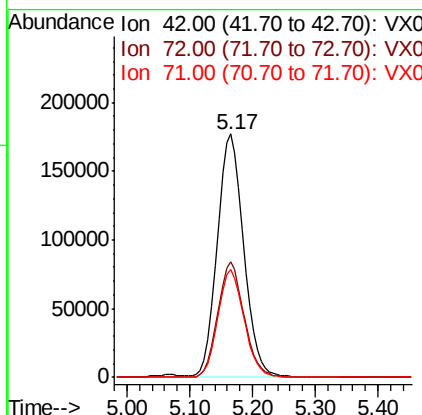
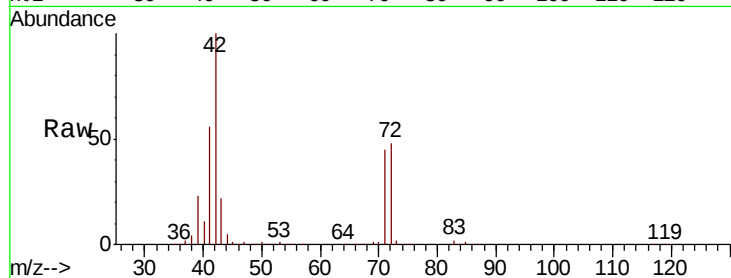
#29
Tetrahydrofuran
Concen: 268.75 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-103SMS

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.7	56.5
71	44.0	35.0	52.6

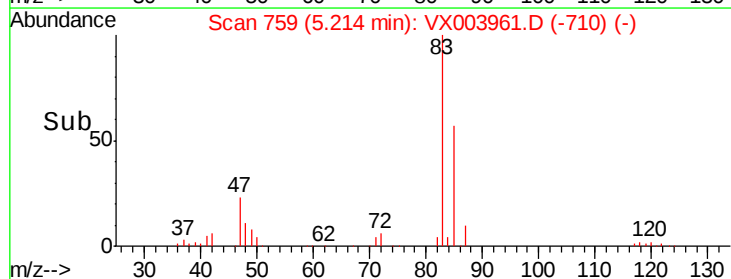
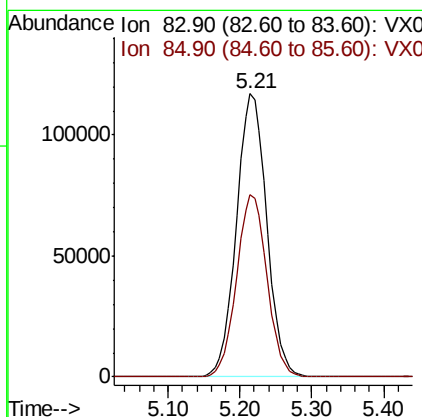
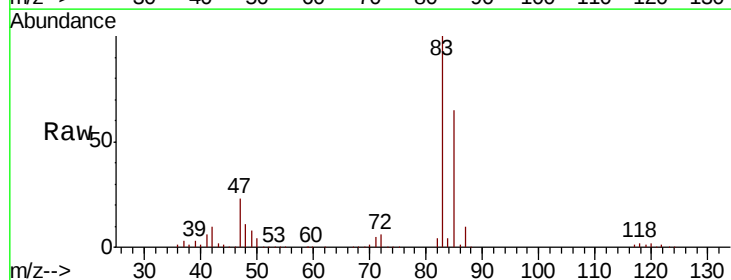
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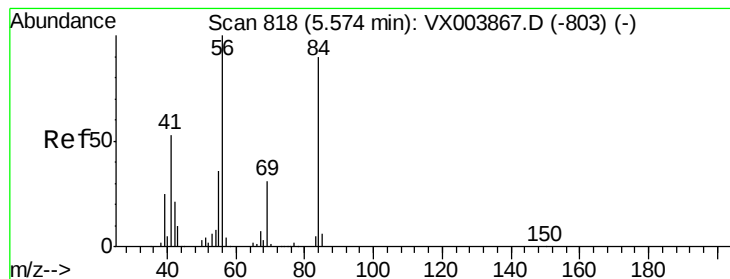
MMDadoda
8/10/2018 10:56:34 AM



#30
Chloroform
Concen: 50.92 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.7	76.1





#31

Cyclohexane

Concen: 49.35 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion: 56 Resp: 297485

Ion Ratio Lower Upper

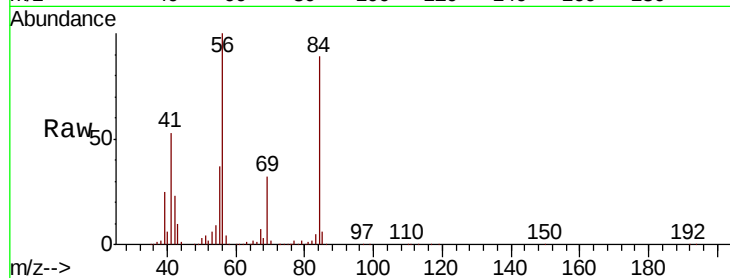
56 100

69 31.7 24.9 37.3

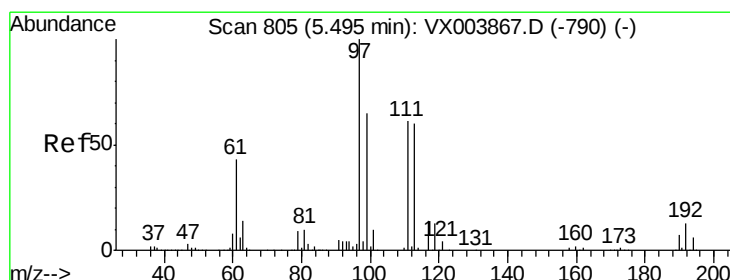
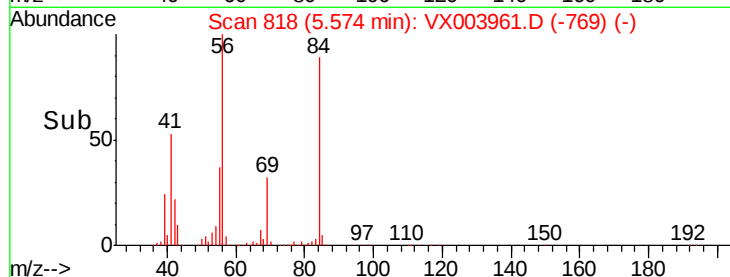
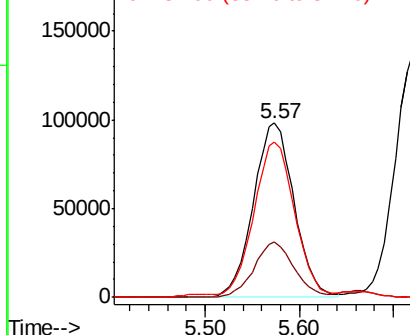
84 88.0 71.7 107.5

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



#32

1,1,1-Trichloroethane

Concen: 51.10 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

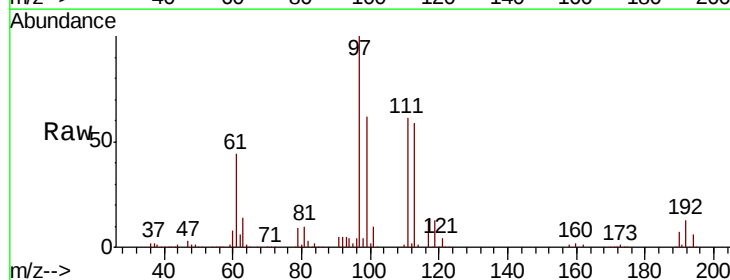
Tgt Ion: 97 Resp: 287592

Ion Ratio Lower Upper

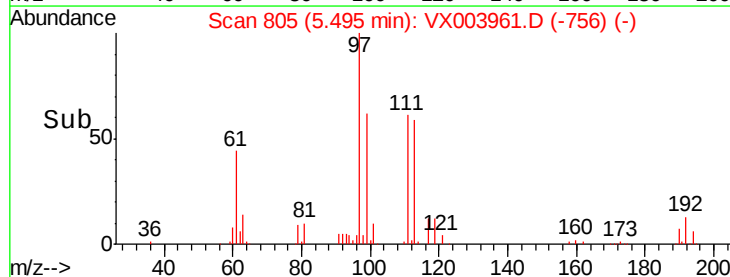
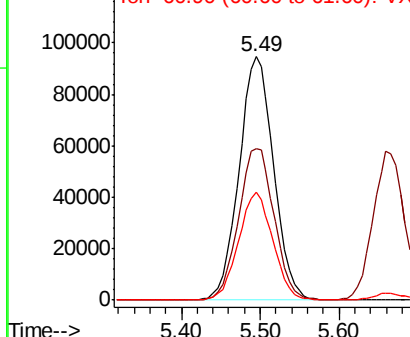
97 100

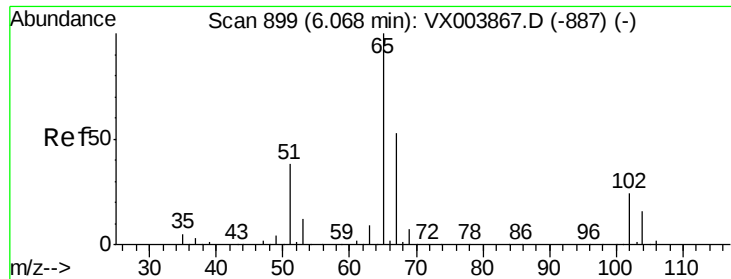
99 64.2 51.8 77.8

61 44.1 34.4 51.6



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





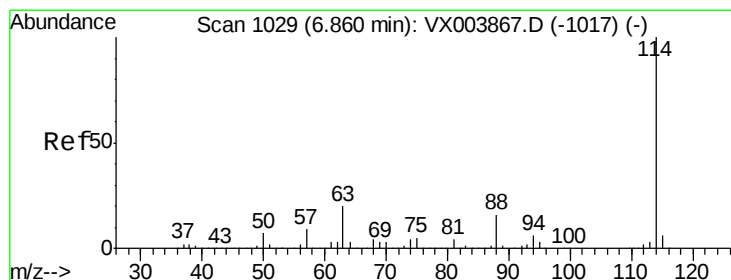
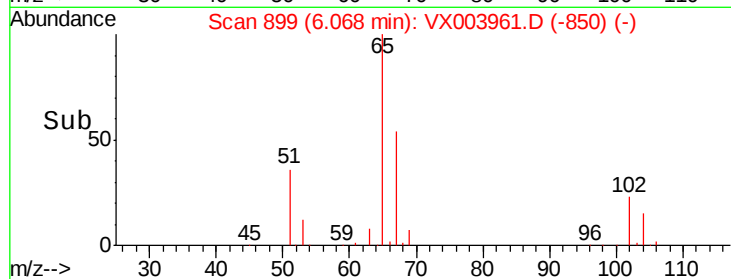
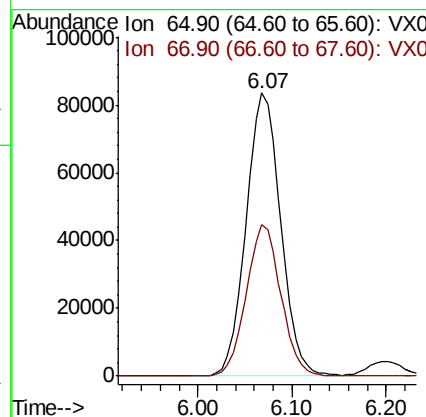
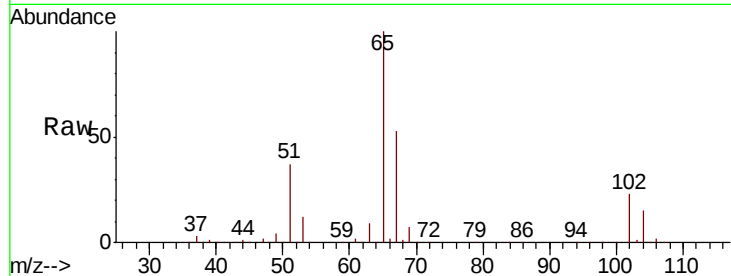
#33
 1,2-Dichloroethane-d4
 Concen: 51.54 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103SMS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215560		
67	53.4	0.0	105.8	

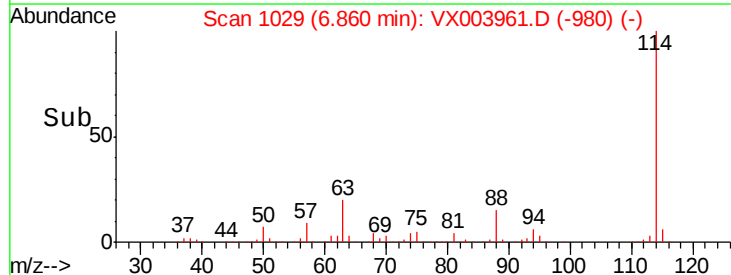
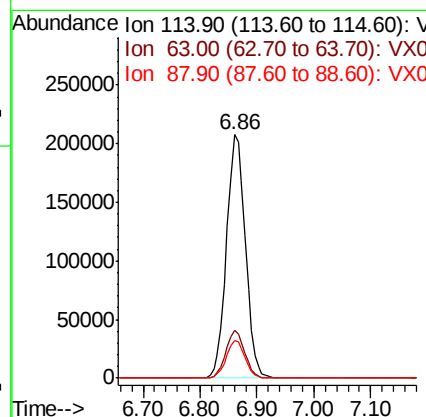
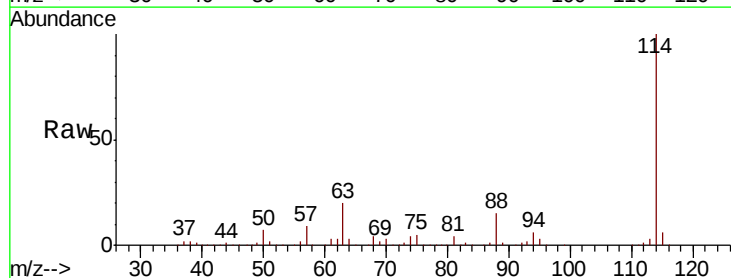
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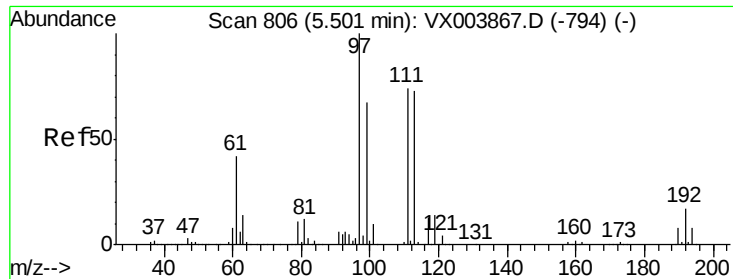
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	479162		
63	19.8	0.0	39.0	
88	15.4	0.0	32.0	





#35

Dibromofluoromethane

Concen: 50.08 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

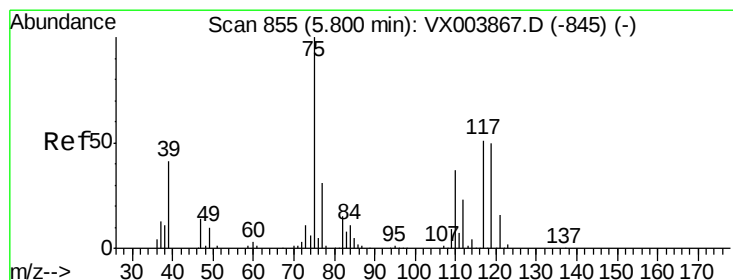
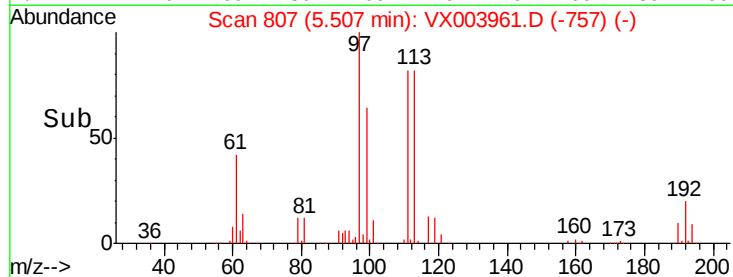
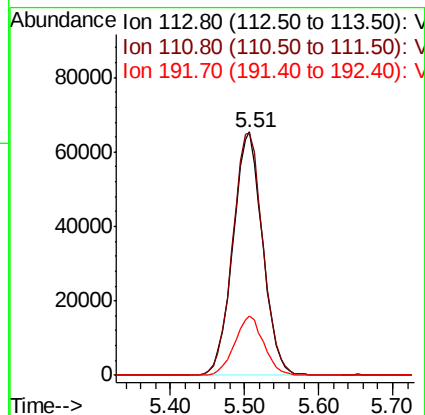
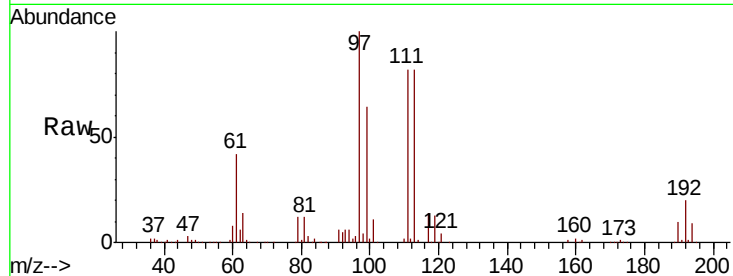
ClientSampleId :

MW-103SMS

Tot Ion:	113	Resp:	181800
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.0	123.0
192	23.9	19.0	28.4

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#36

1,1-Dichloropropene

Concen: 48.33 ug/l

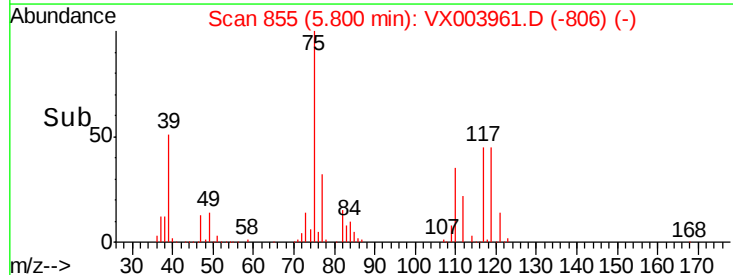
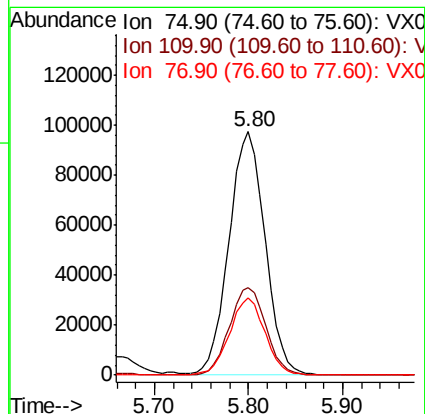
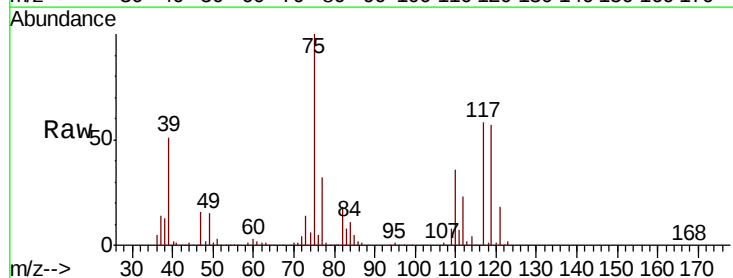
RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Tgt Ion:	75	Resp:	259352
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.2	54.6
77	31.2	25.0	37.4





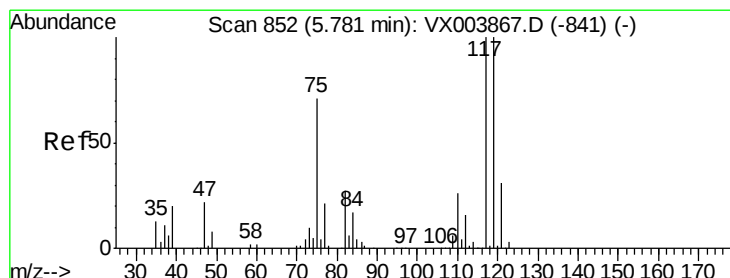
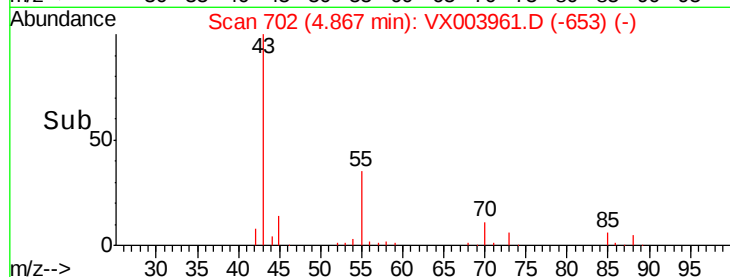
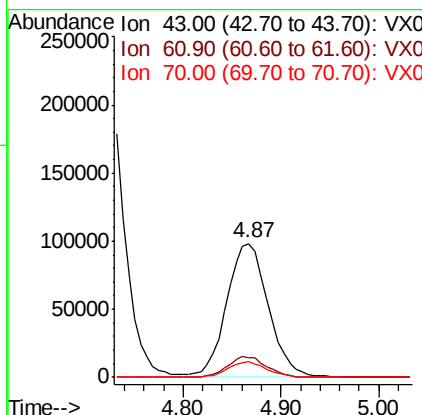
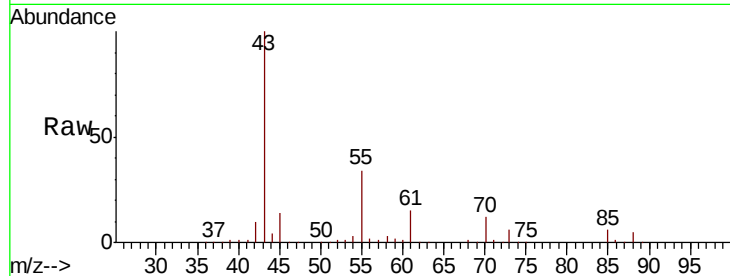
#37
Ethyl Acetate
Concen: 48.46 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-103SMS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.3	9.0	13.4

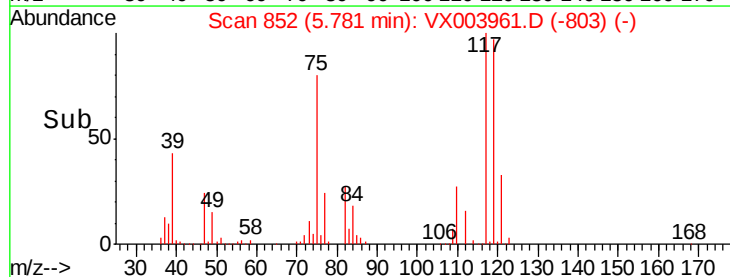
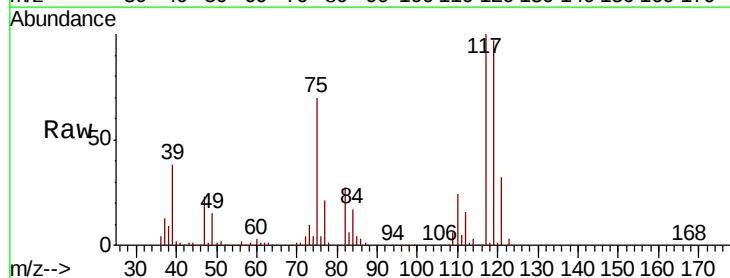
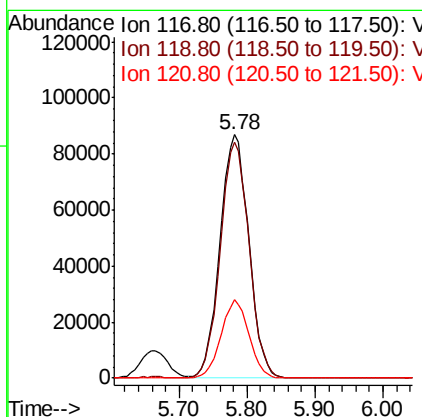
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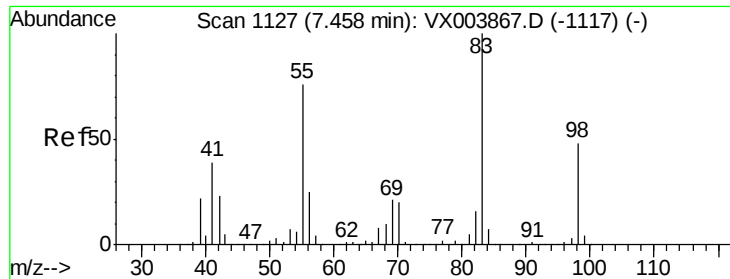
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.11 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	79.5	119.3
121	32.2	25.0	37.4





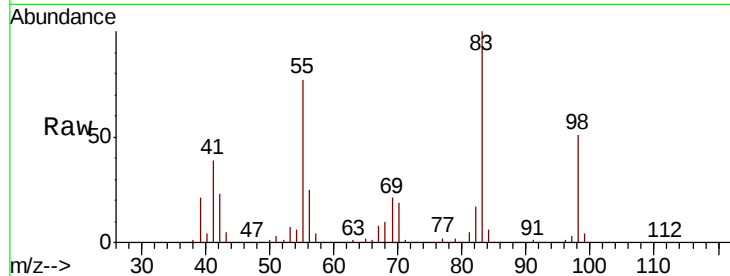
#39
Methvlcvclohexane
Concen: 46.48 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-103SMS

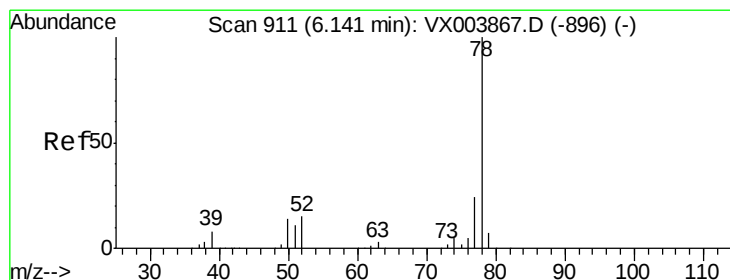
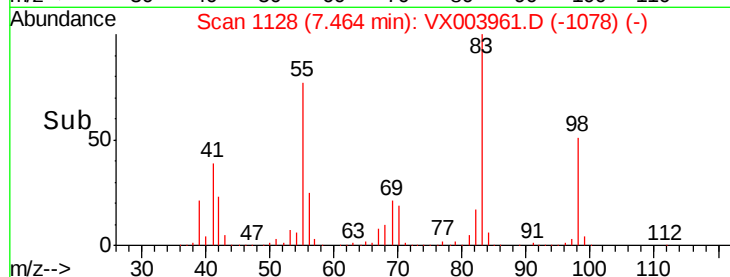
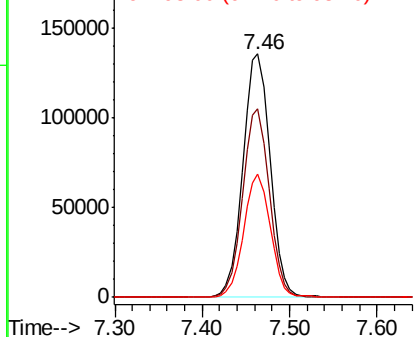
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.2	61.0	91.6	
98	50.5	38.6	57.8	

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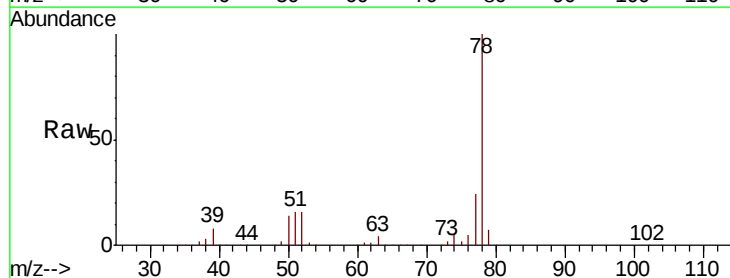


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

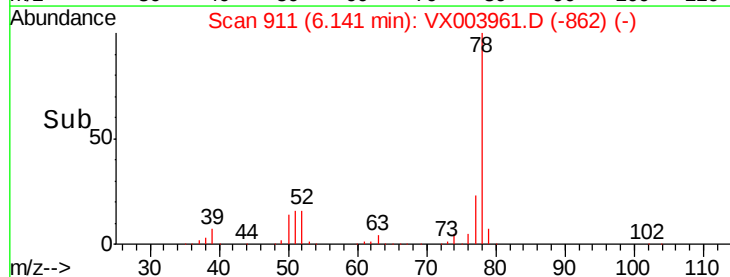
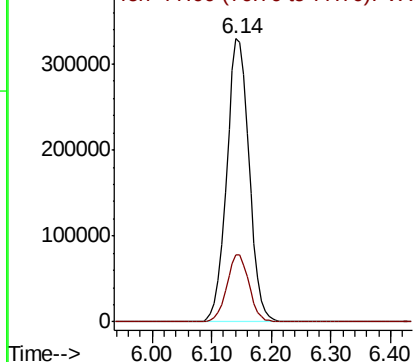


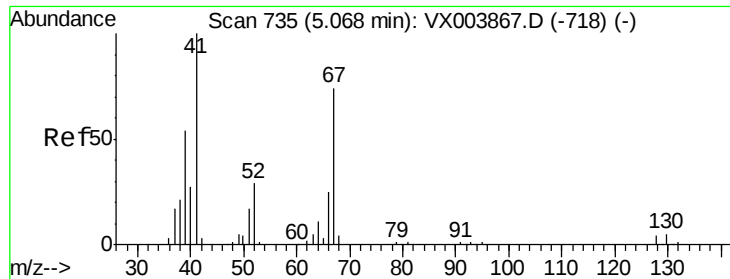
#40
Benzene
Concen: 53.36 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.4	



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





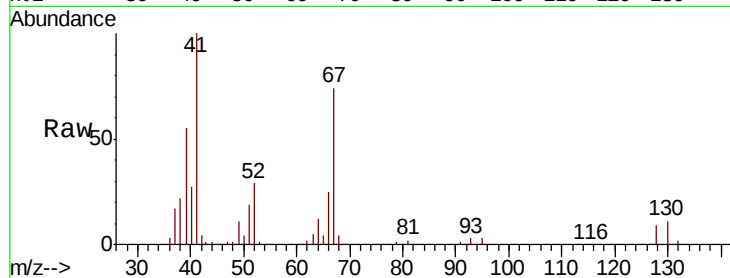
#41
Methacrylonitrile
Concen: 51.30 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-103SMS

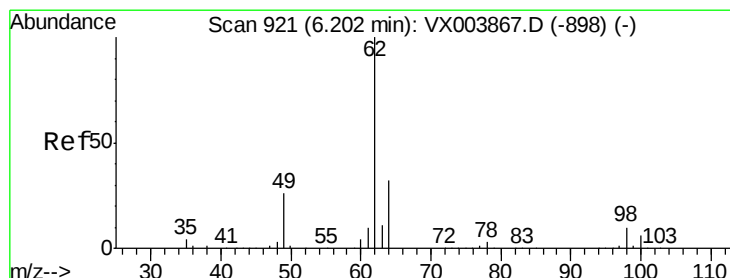
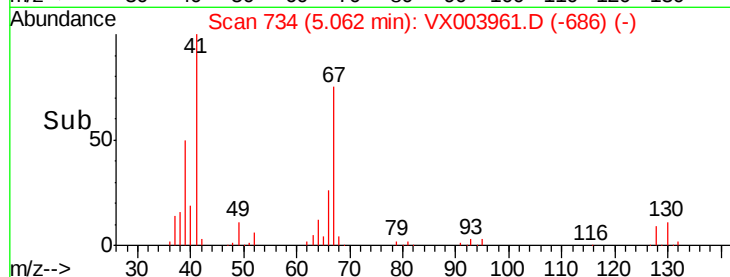
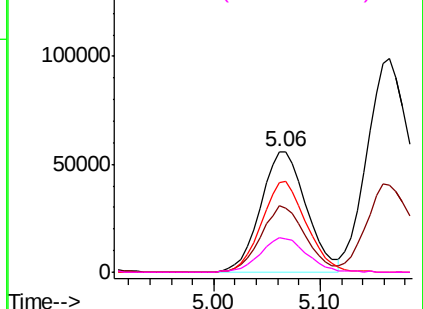
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.7	64.1	
67	74.1	58.9	88.3	
52	28.9	22.6	33.8	

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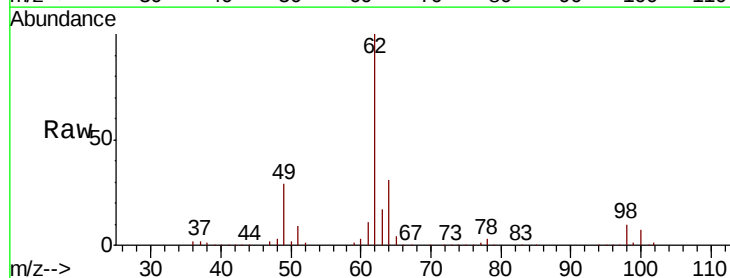


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

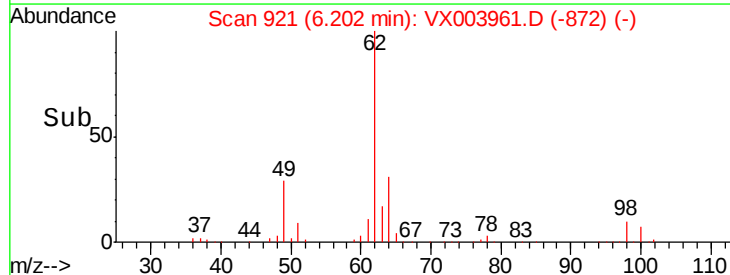
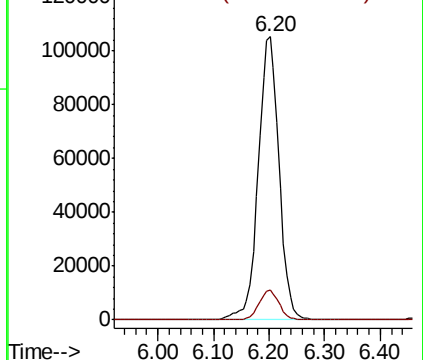


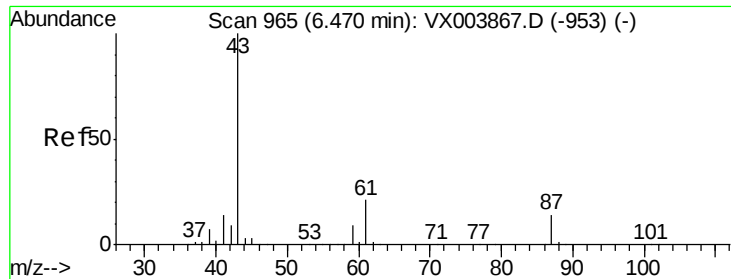
#42
1,2-Dichloroethane
Concen: 50.75 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

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



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

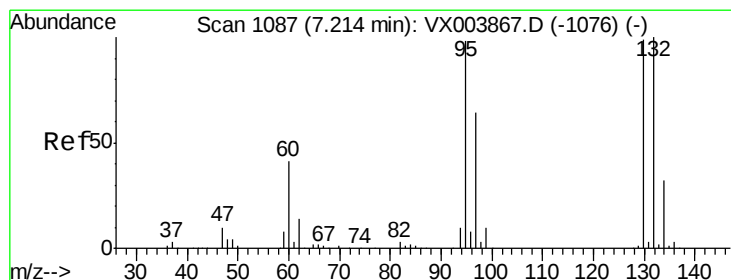
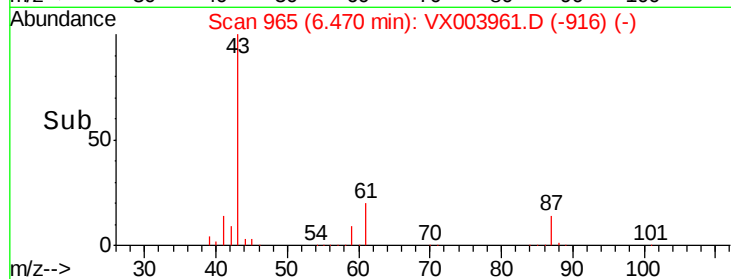
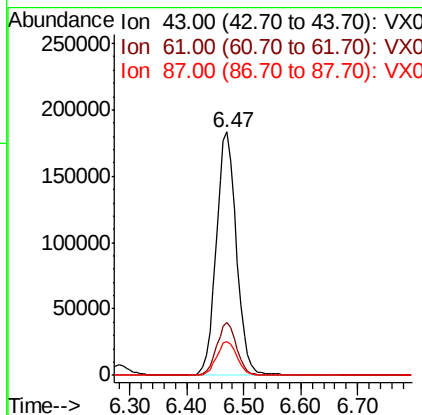
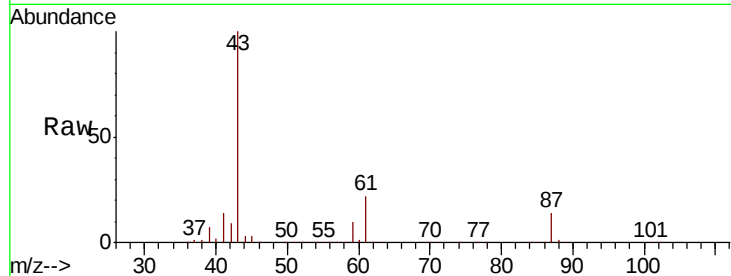
Isopropyl Acetate
 Concen: 50.25 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103SMS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.9	25.3
87	14.3	11.3	16.9

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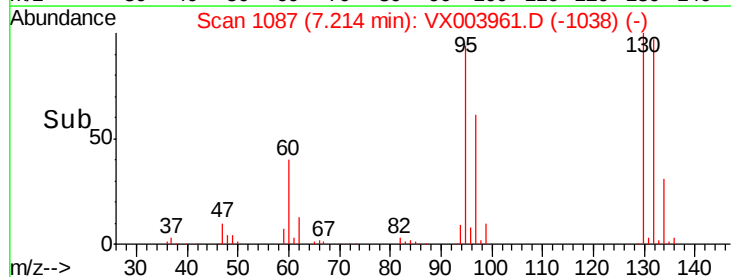
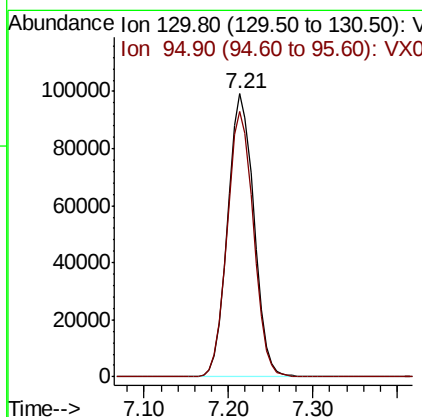
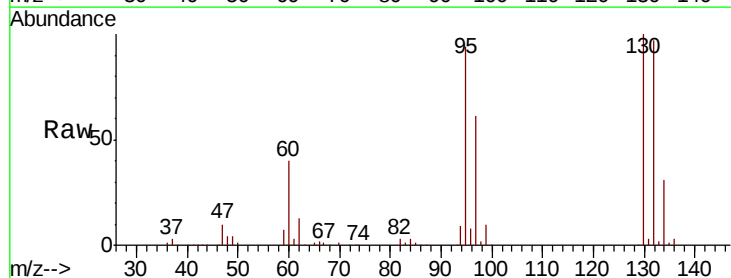
MMDadoda
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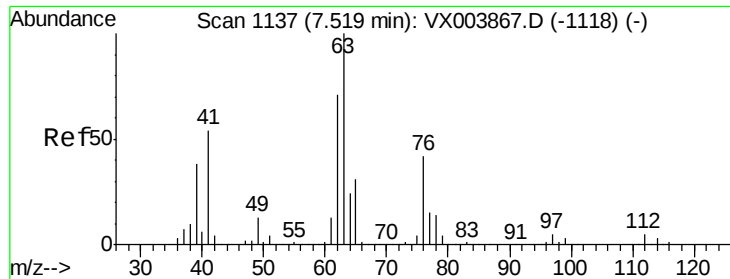


#44

Trichloroethene
 Concen: 47.31 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	199.4





#45

1,2-Dichloropropane

Concen: 49.32 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion: 63 Resp: 205235

Ion Ratio Lower Upper

63 100

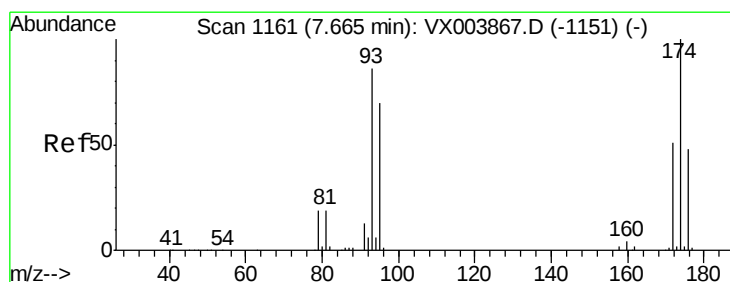
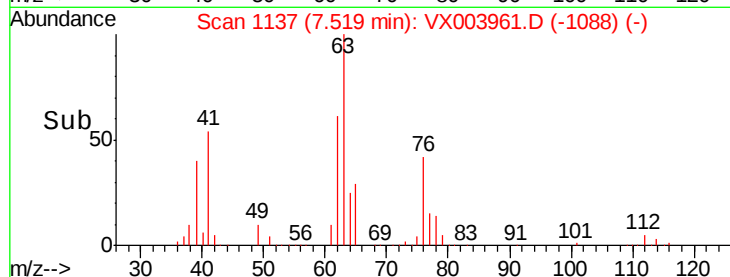
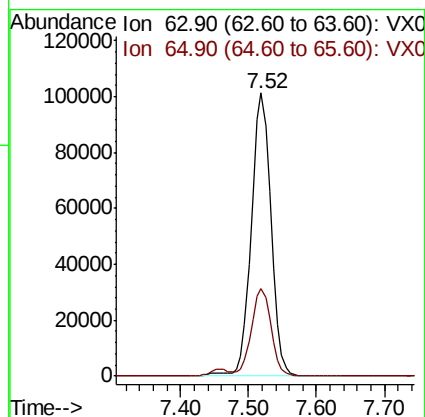
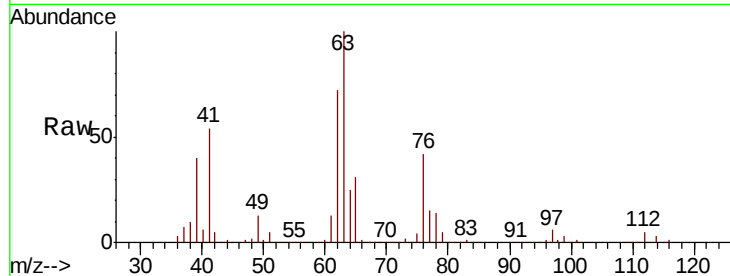
65 30.8 24.6 36.8

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#46

Dibromomethane

Concen: 49.17 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

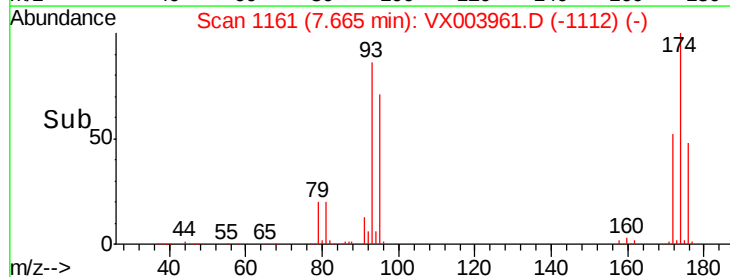
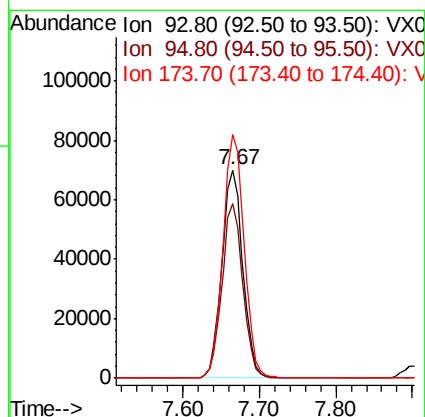
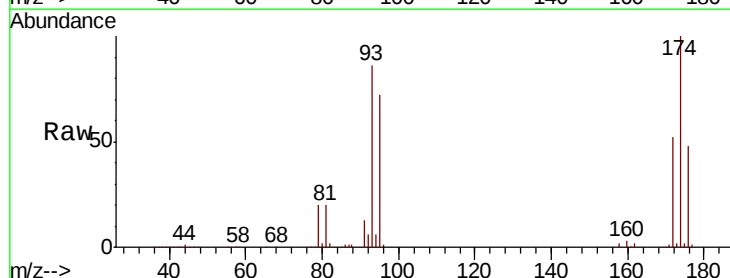
Tgt Ion: 93 Resp: 132840

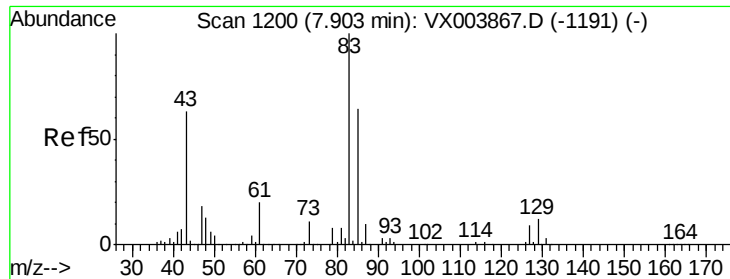
Ion Ratio Lower Upper

93 100

95 83.3 66.4 99.6

174 118.2 94.3 141.5





#47

Bromodichloromethane

Concen: 50.43 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

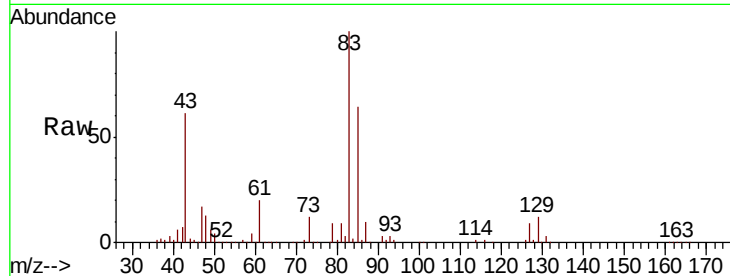
ClientSampleId :

MW-103SMS

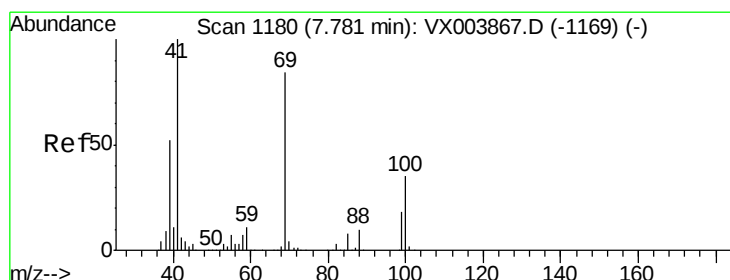
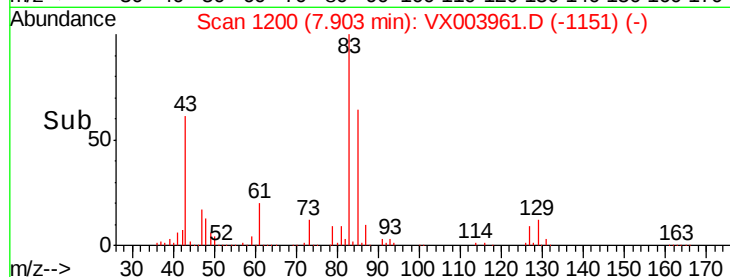
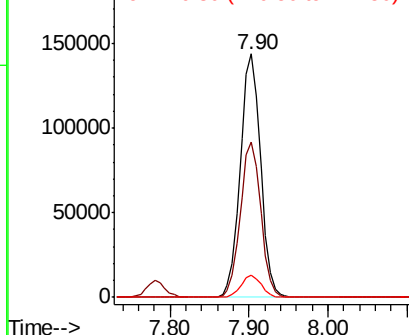
Tot Ion:	83	Resp:	256664
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	9.2	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.77 ug/l

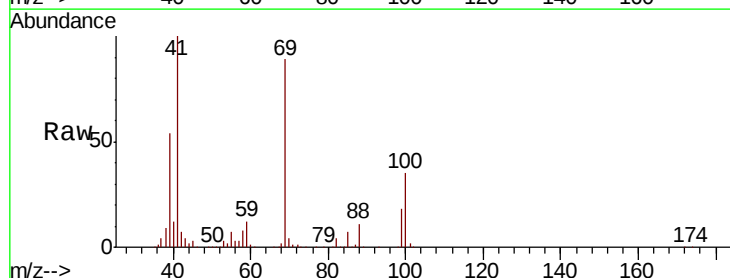
RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

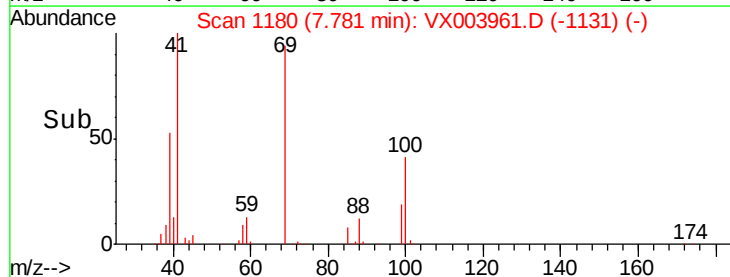
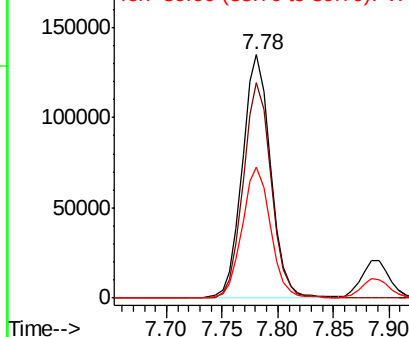
Lab File: VX003961.D

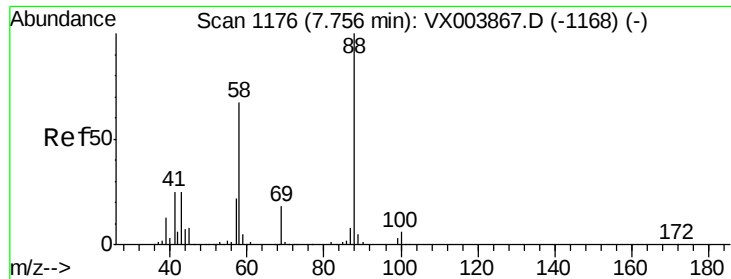
Acq: 09 Aug 2018 19:57

Tgt Ion:	41	Resp:	238300
Ion	Ratio	Lower	Upper
41	100		
69	88.2	68.8	103.2
39	53.9	42.3	63.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





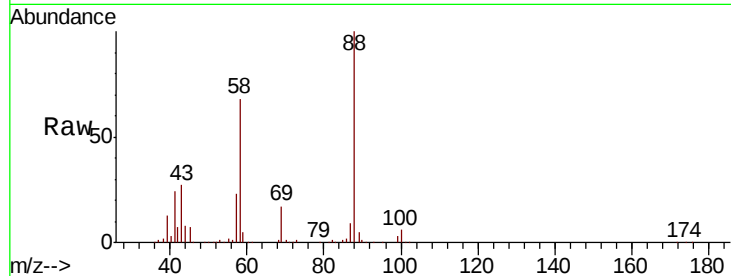
#49
1,4-Dioxane
Concen: 1098.77 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-103SMS

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	29.7	23.8	35.8	
58	69.4	55.4	83.0	

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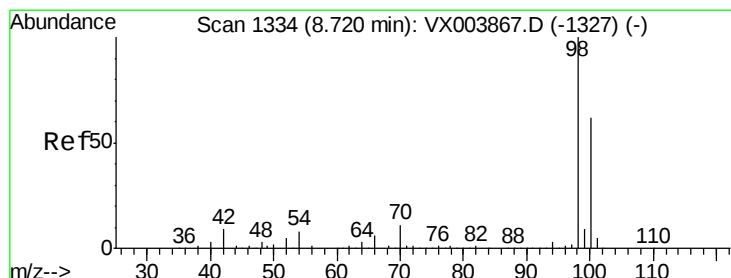
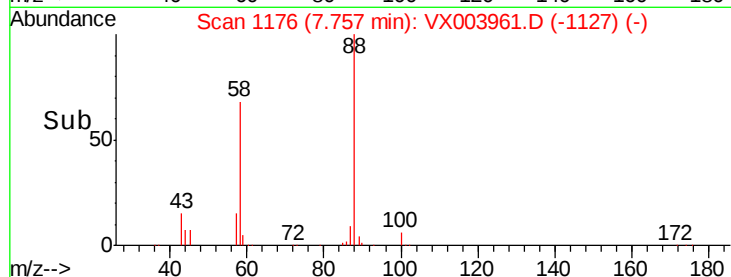
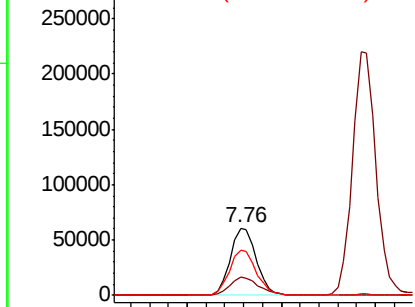


Abundance

Ion 88.00 (87.70 to 88.70): VX0

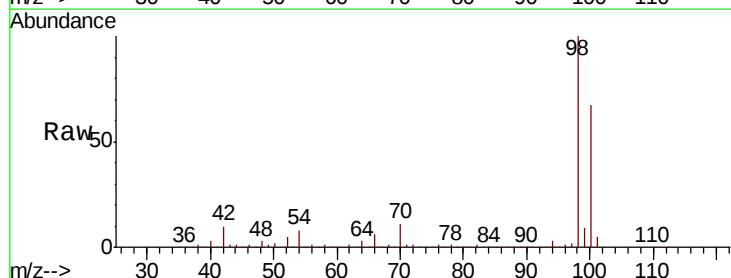
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.74 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

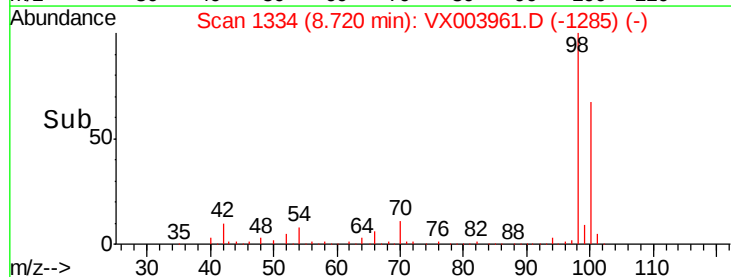
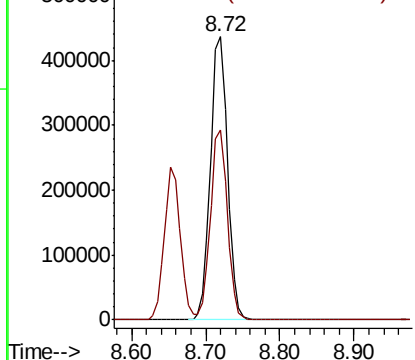
Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.6	53.3	79.9	

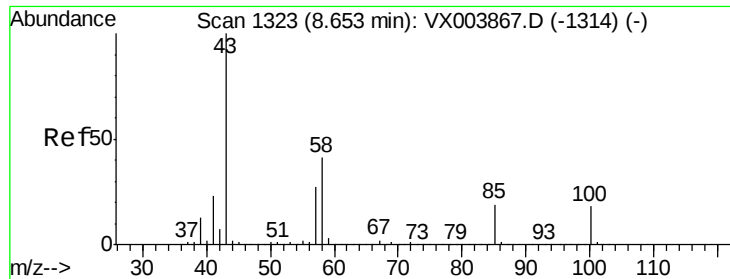


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 279.53 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampled :

MW-103SMS

Tot Ion: 43 Resp: 2058328

Ion Ratio Lower Upper

43 100

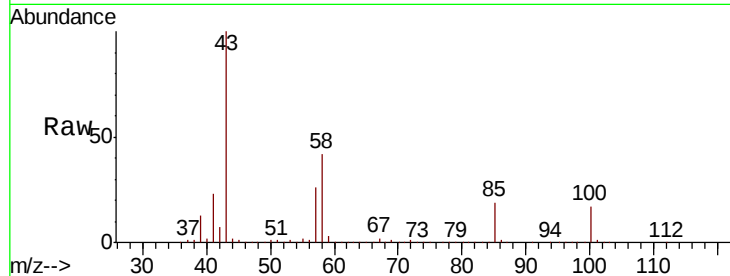
58 41.7 33.0 49.6

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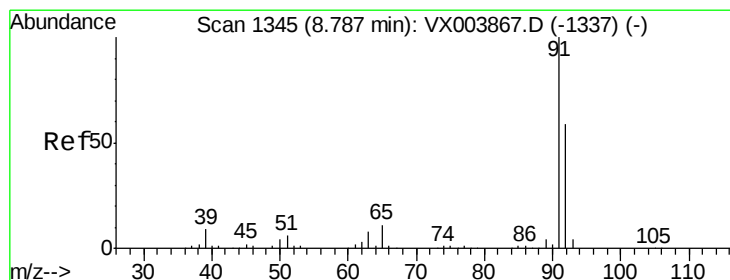
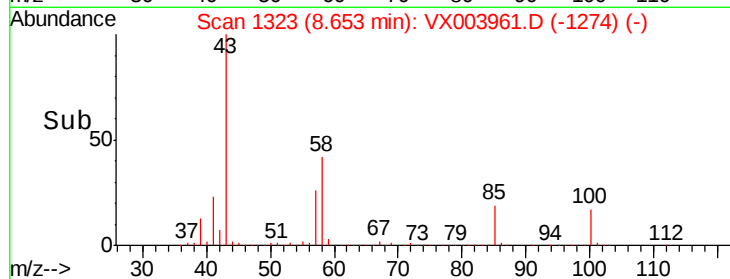
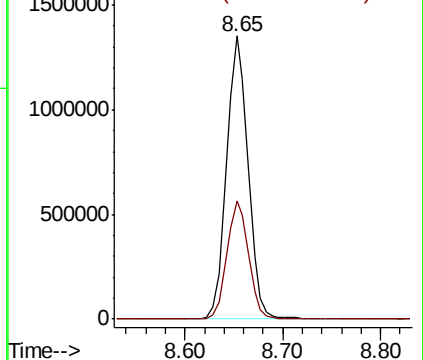
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.62 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003961.D

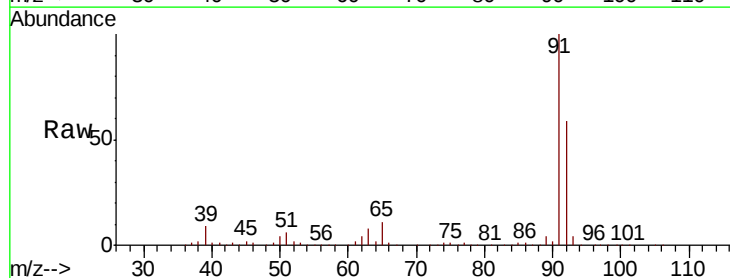
Acq: 09 Aug 2018 19:57

Tgt Ion: 92 Resp: 505249

Ion Ratio Lower Upper

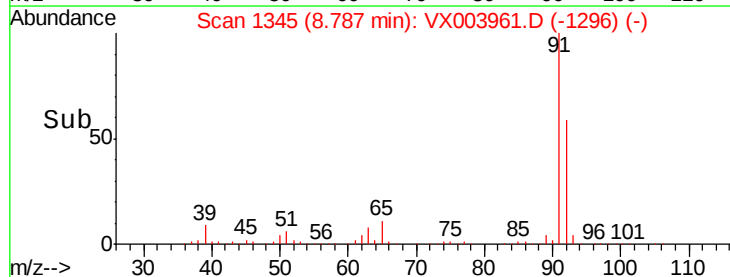
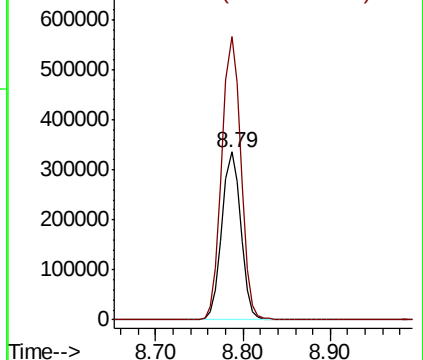
92 100

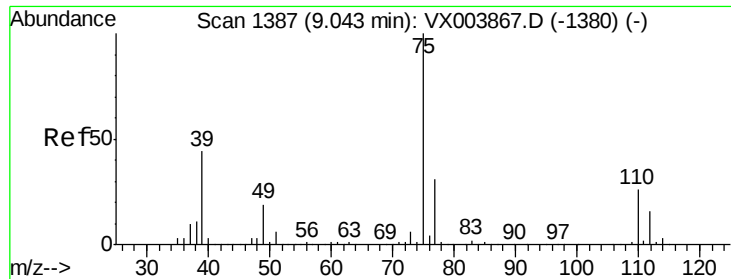
91 170.0 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





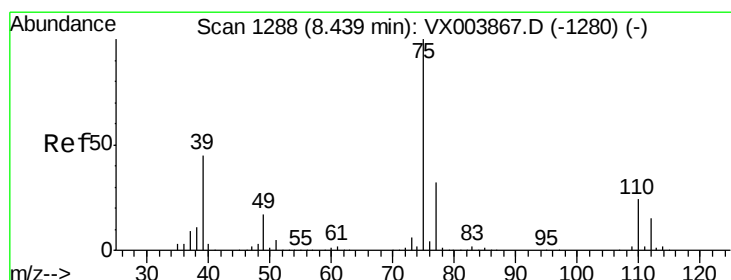
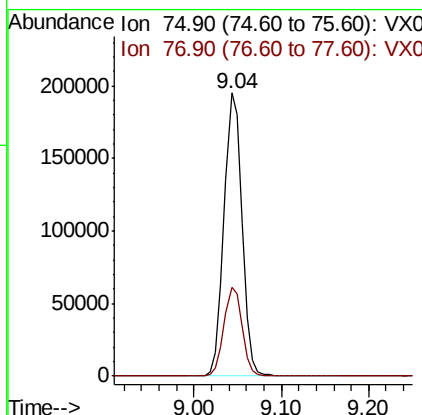
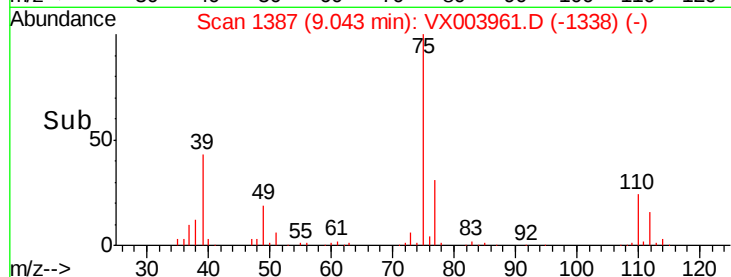
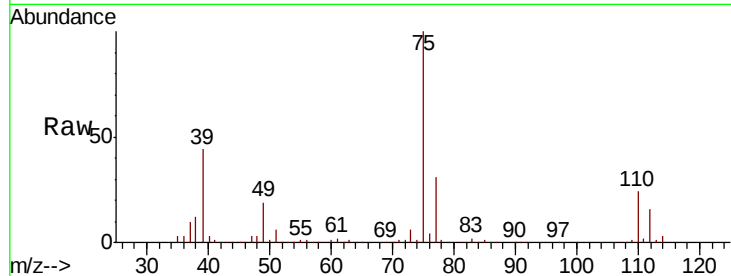
#53
 t-1,3-Dichloropropene
 Concen: 48.18 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103SMS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7

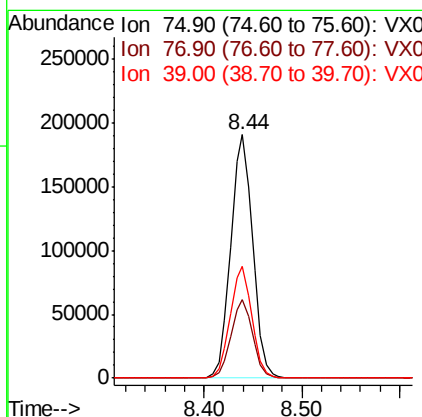
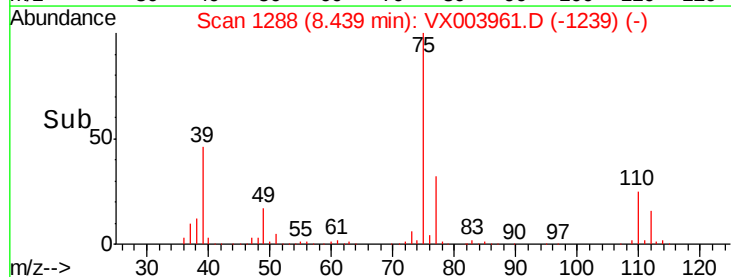
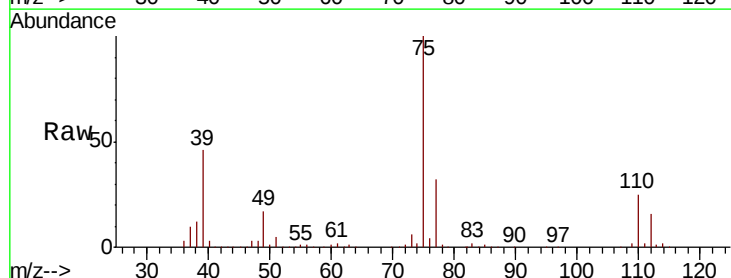
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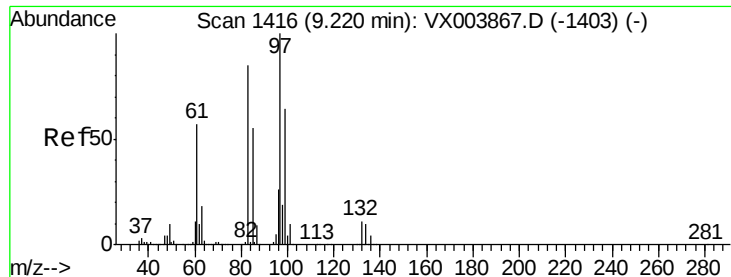
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#54
 cis-1,3-Dichloropropene
 Concen: 47.77 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.3	37.9
39	45.6	36.2	54.2





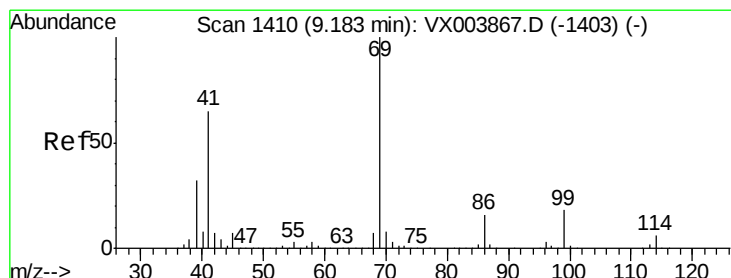
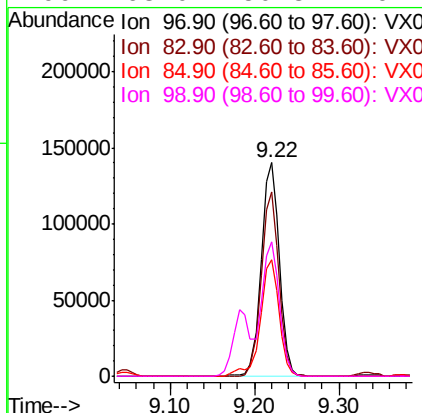
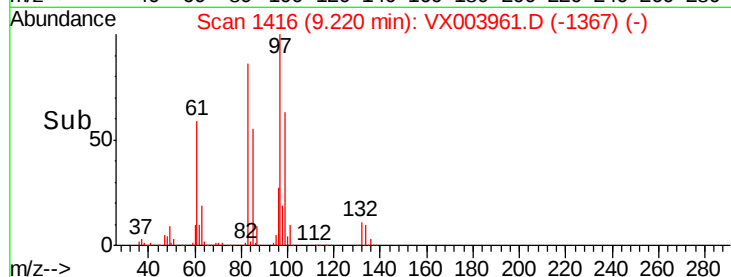
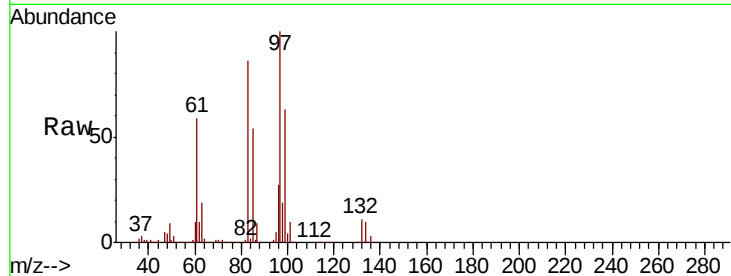
#55
 1,1,2-Trichloroethane
 Concen: 49.77 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103SMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		207069		
83	86.2	67.8	101.6		
85	54.5	44.2	66.2		
99	63.0	50.8	76.2		

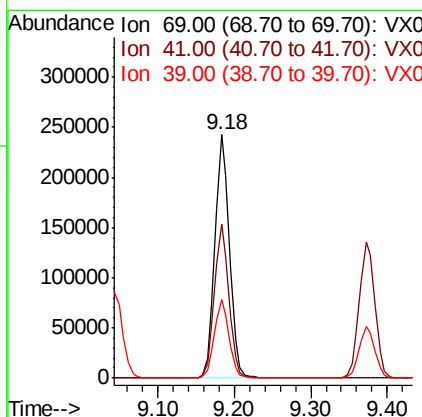
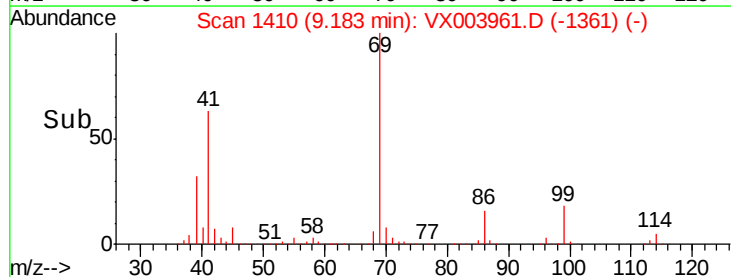
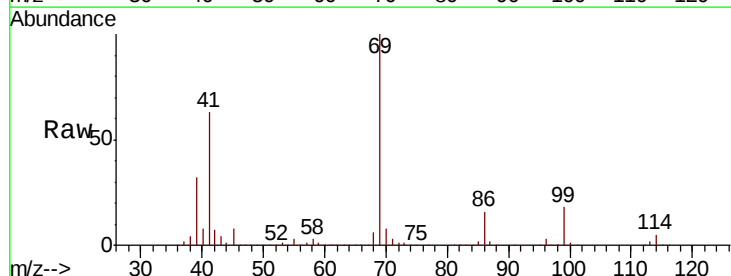
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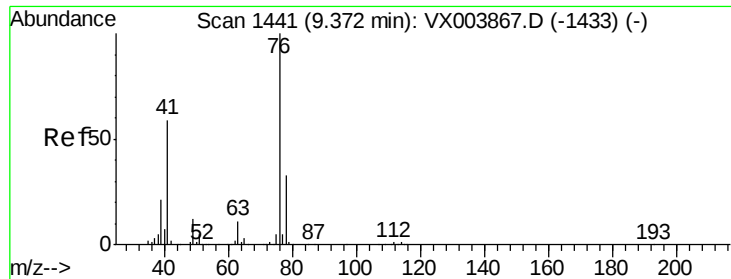
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#56
 Ethyl methacrylate
 Concen: 53.28 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		321664		
41	62.8	50.6	76.0		
39	32.3	25.8	38.6		





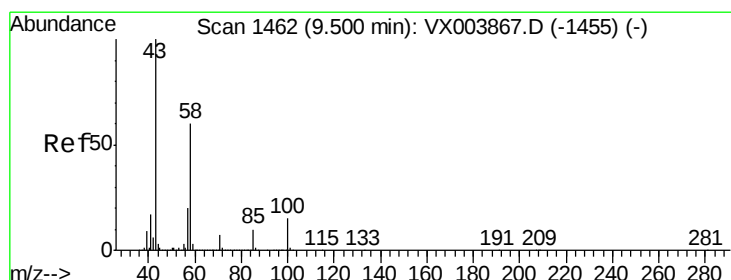
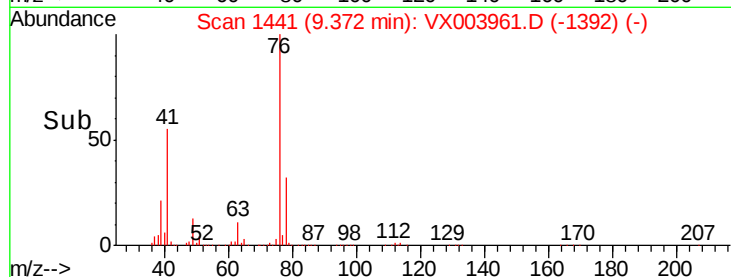
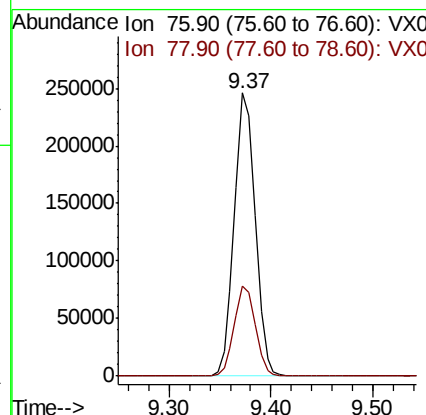
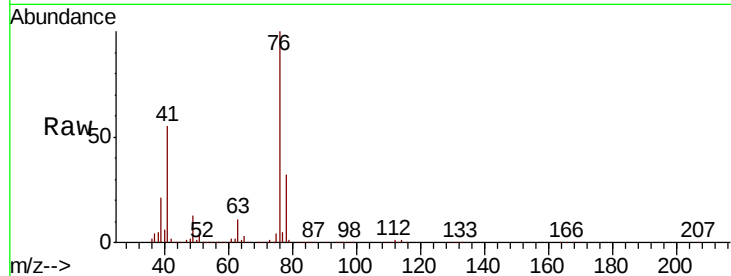
#57
 1,3-Dichloropropane
 Concen: 50.05 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampled :
 MW-103SMS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

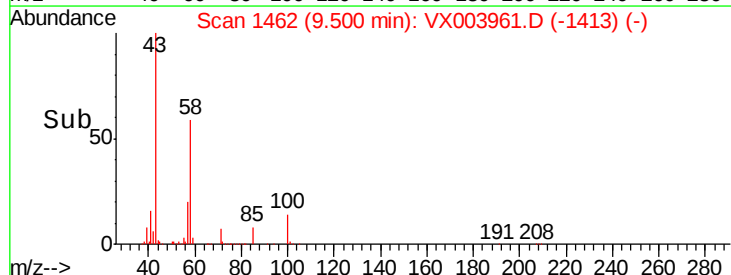
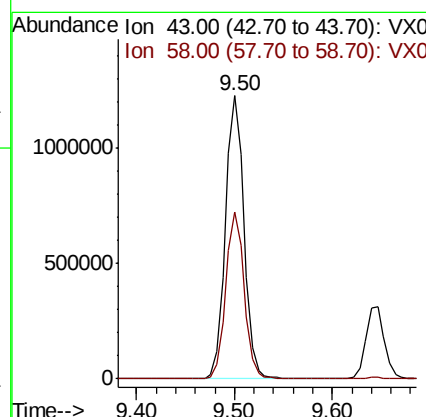
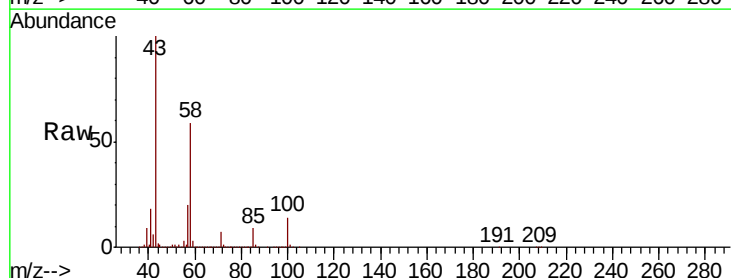
Manual Integrations
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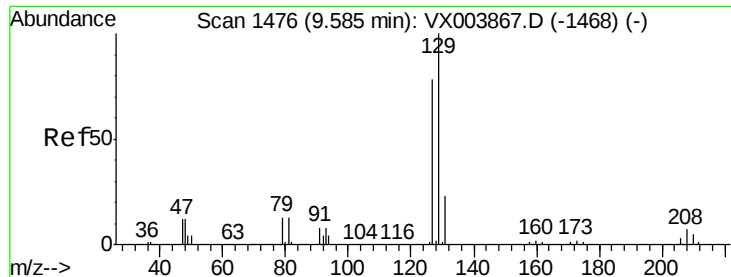
MMDadoda
 8/10/2018 10:56:34 AM



#59
 2-Hexanone
 Concen: 294.60 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.3	29.0	87.0





#60

Dibromochloromethane

Concen: 54.20 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion:129 Resp: 210265

Ion Ratio Lower Upper

129 100

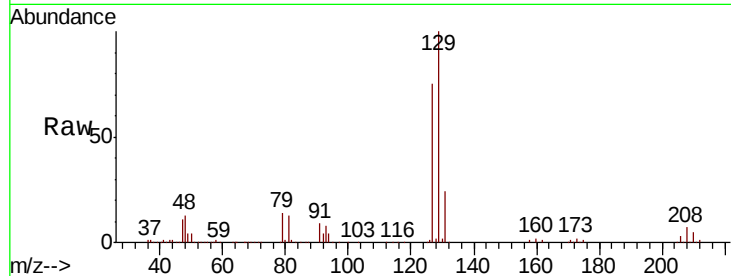
127 76.7 38.8 116.3

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

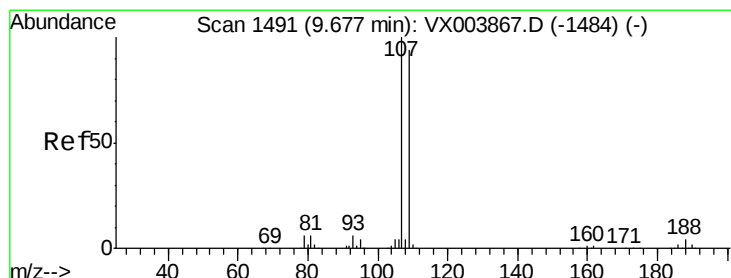
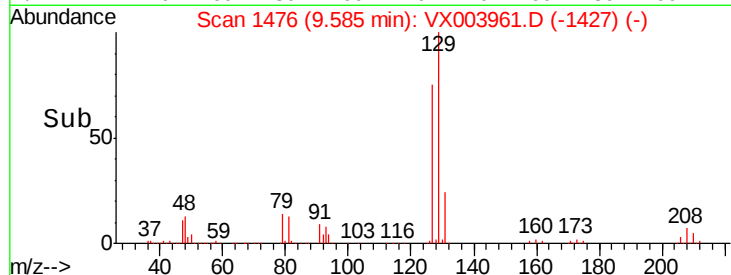
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 52.33 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003961.D

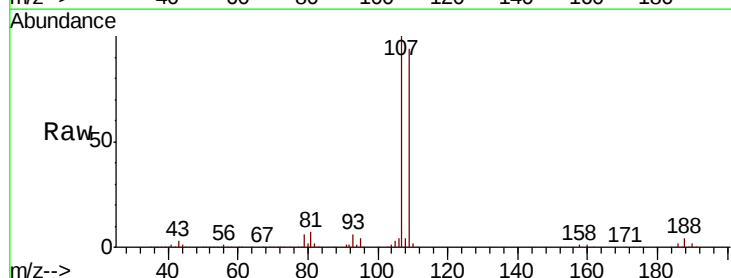
Acq: 09 Aug 2018 19:57

Tgt Ion:107 Resp: 218001

Ion Ratio Lower Upper

107 100

109 94.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

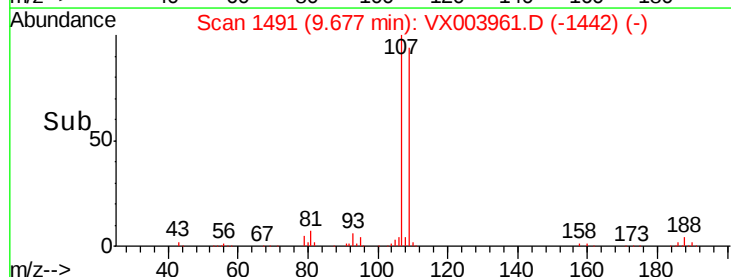
150000

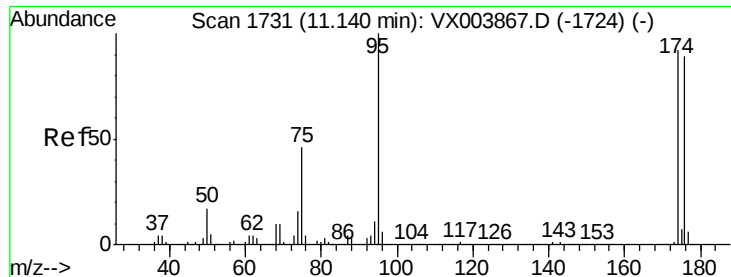
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 57.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

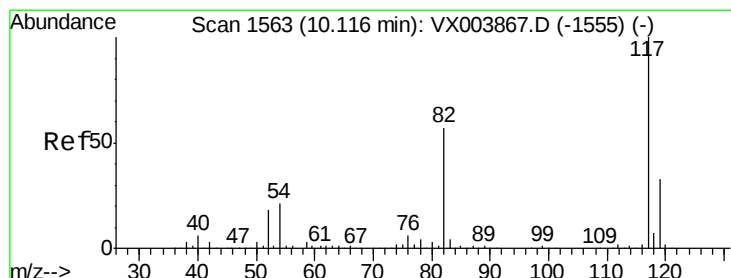
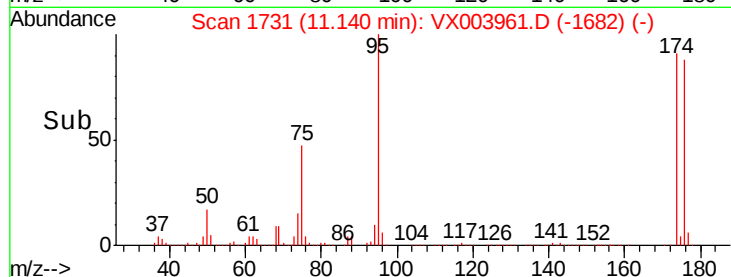
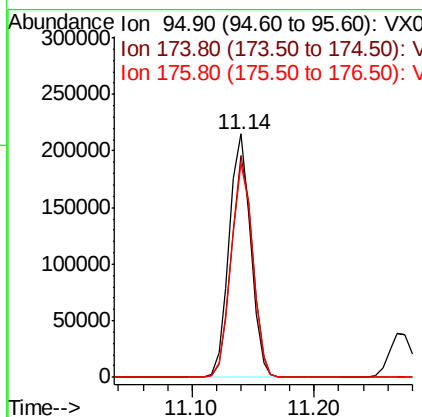
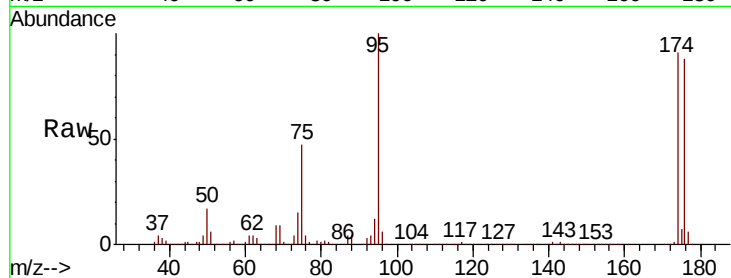
ClientSampleId :

MW-103SMS

Tot Ion:	95	Resp:	260821
Ion Ratio	Lower	Upper	
95	100		
174	89.9	0.0	182.8
176	87.9	0.0	179.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

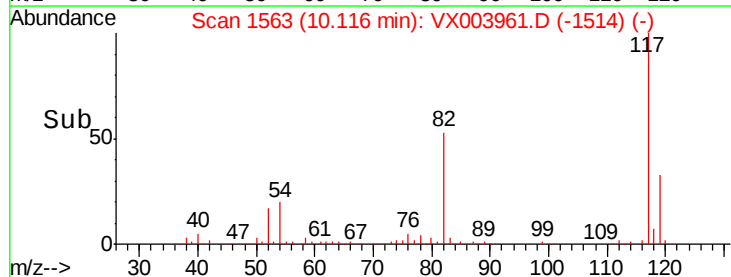
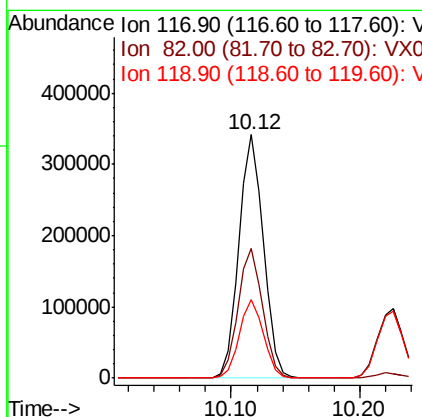
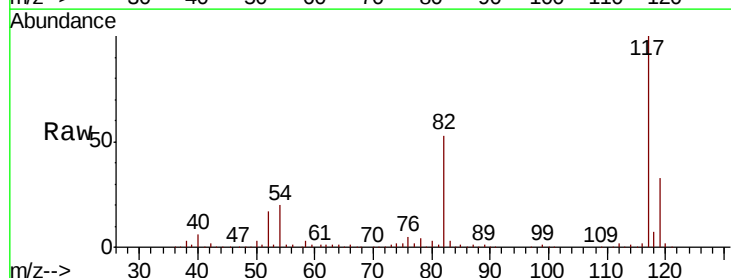
RT: 10.12 min Scan# 1563

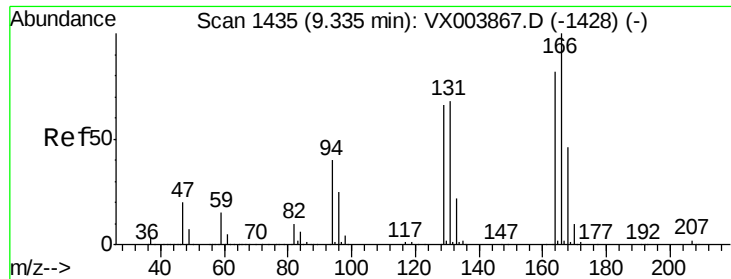
Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Tgt Ion:	117	Resp:	449305
Ion Ratio	Lower	Upper	
117	100		
82	53.2	45.4	68.0
119	32.5	26.6	40.0





#64

Tetrachloroethene

Concen: 42.72 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion:164 Resp: 188840

Ion Ratio Lower Upper

164 100

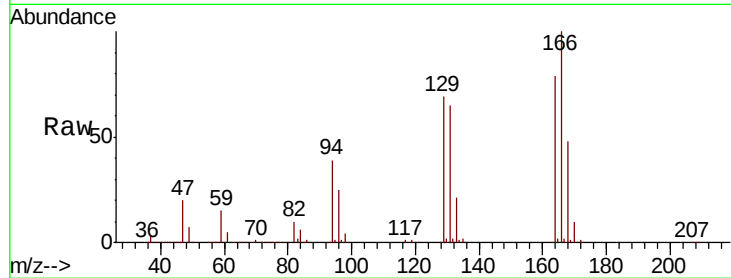
166 127.1 98.0 147.0

129 87.2 64.3 96.5

131 83.1 66.8 100.2

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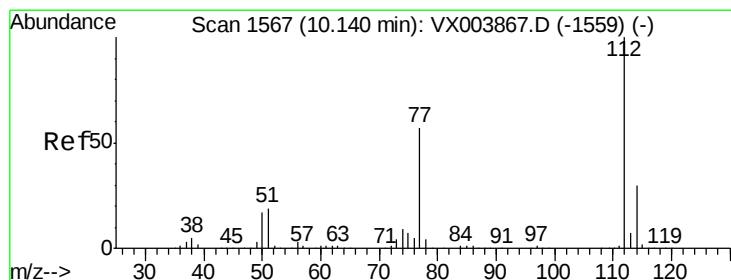
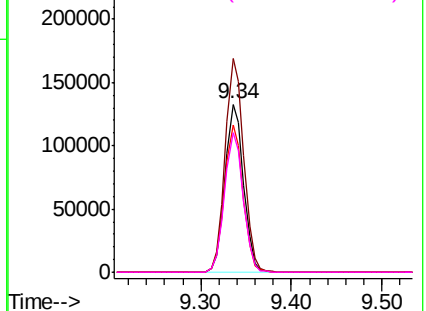
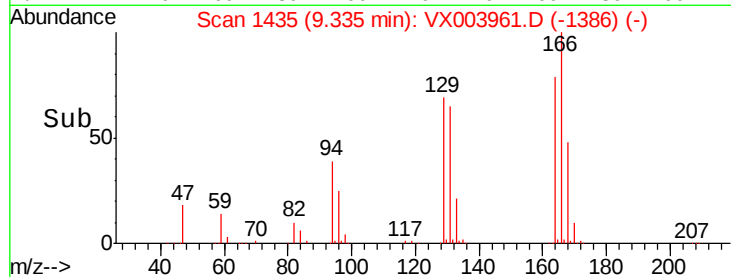
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.68 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003961.D

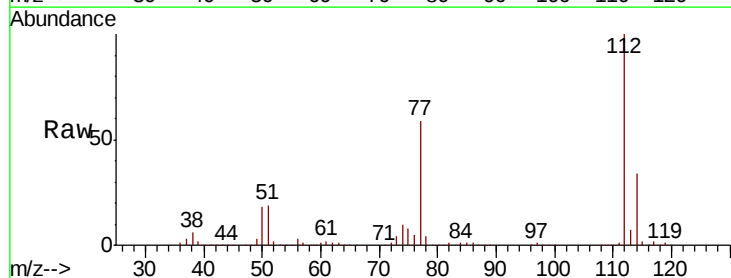
Acq: 09 Aug 2018 19:57

Tgt Ion:112 Resp: 557412

Ion Ratio Lower Upper

112 100

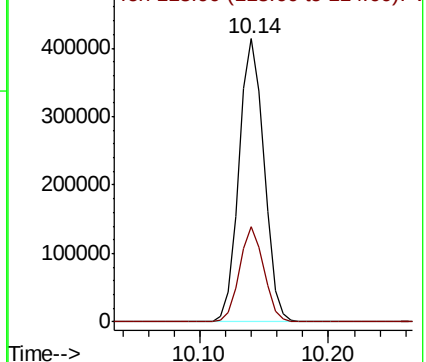
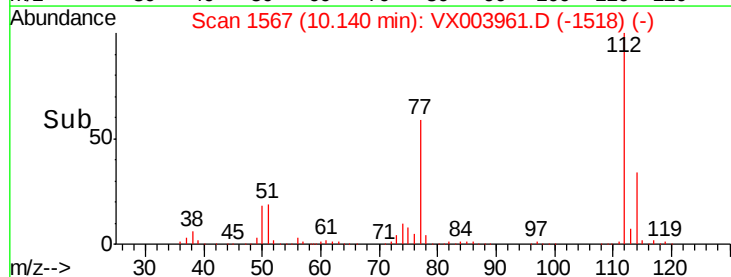
114 33.6 23.6 35.4

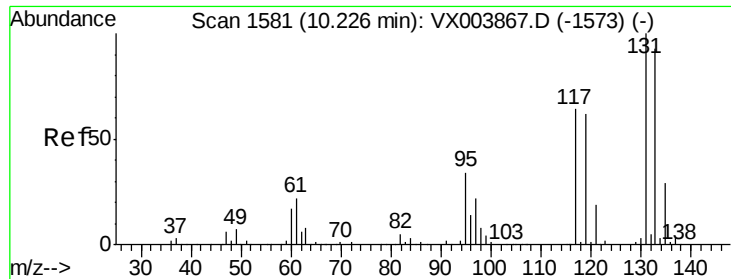


Abundance

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: 49.84 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

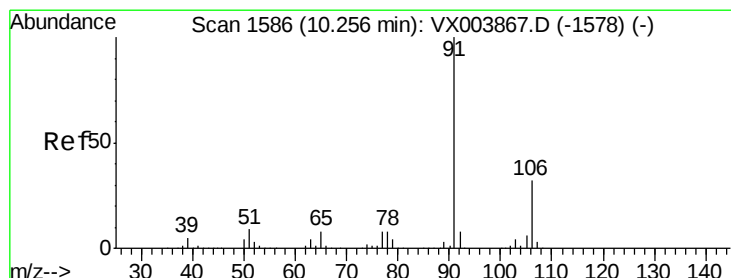
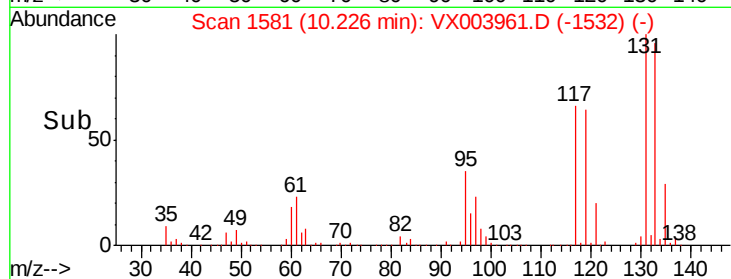
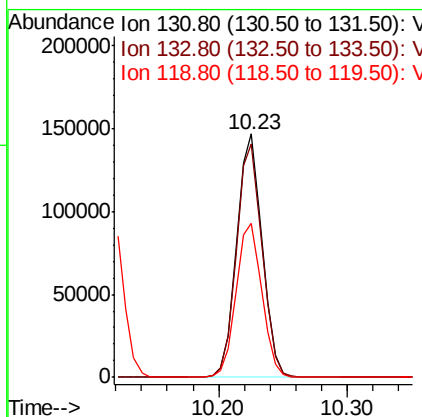
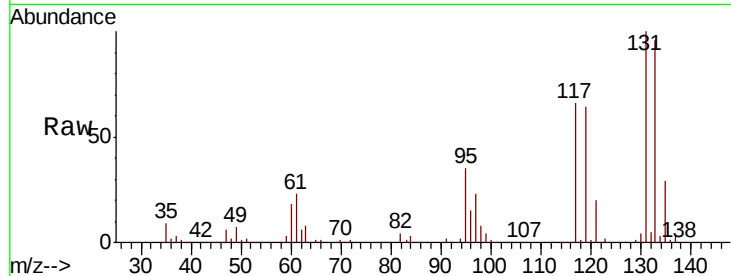
ClientSampleId :

MW-103SMS

Tot Ion:	131	Resp:	200307
Ion Ratio	Lower	Upper	
131	100		
133	96.7	47.3	141.8
119	64.5	31.6	94.8

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#67

Ethyl Benzene

Concen: 49.62 ug/l

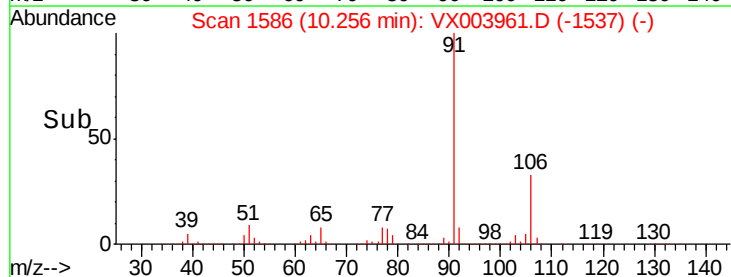
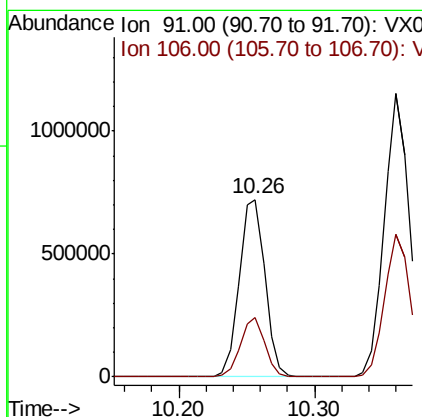
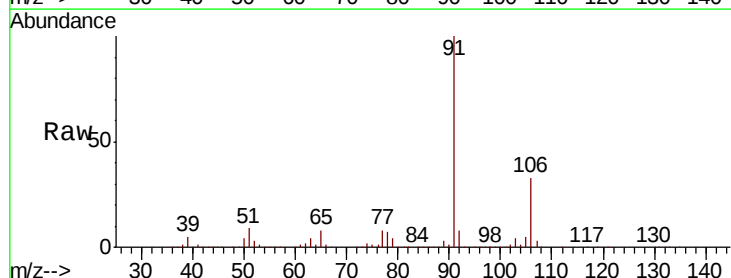
RT: 10.26 min Scan# 1586

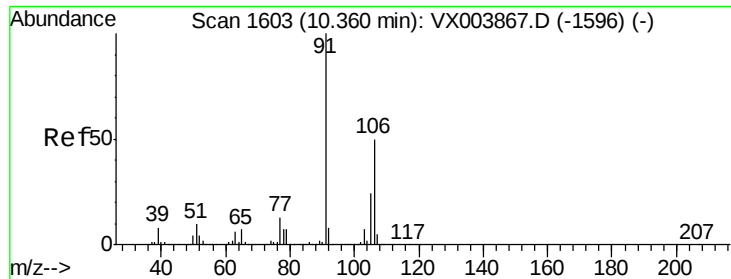
Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Tgt Ion:	91	Resp:	949636
Ion Ratio	Lower	Upper	
91	100		
106	33.1	25.9	38.9





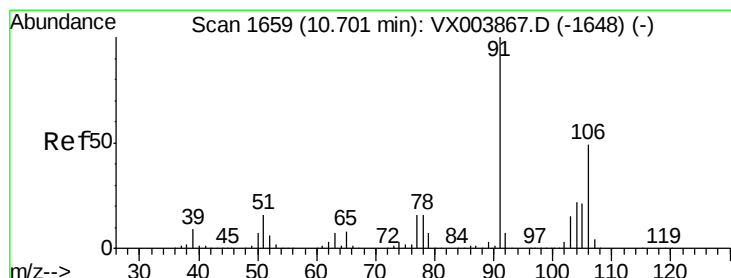
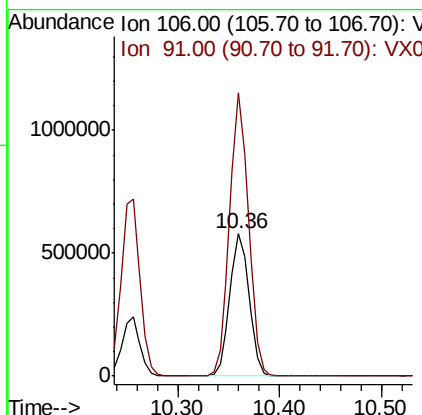
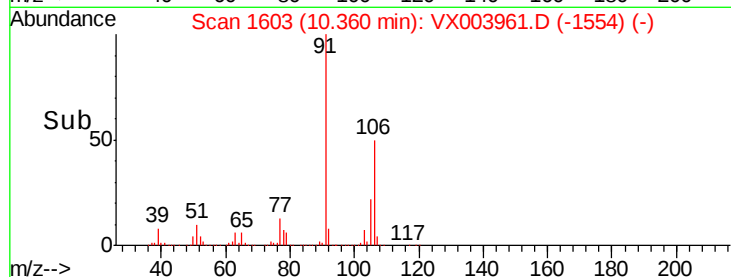
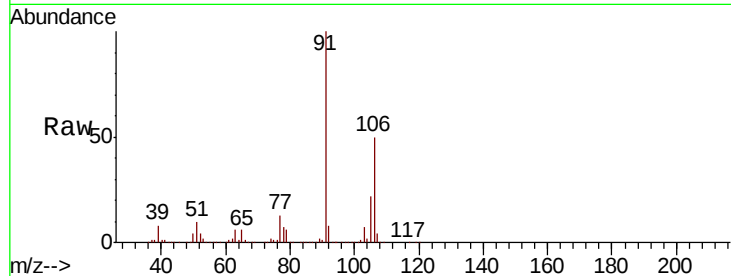
#68
m/p-Xvlenes
Concen: 101.23 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampled :
MW-103SMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	195.1	162.3	756978	243.5	

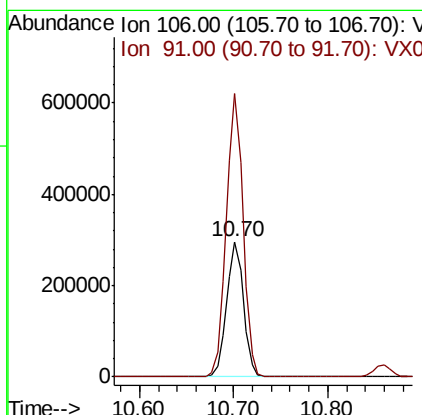
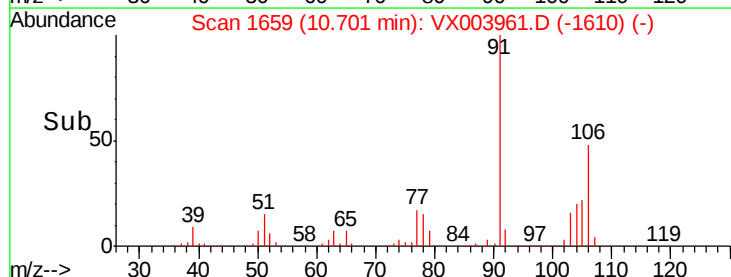
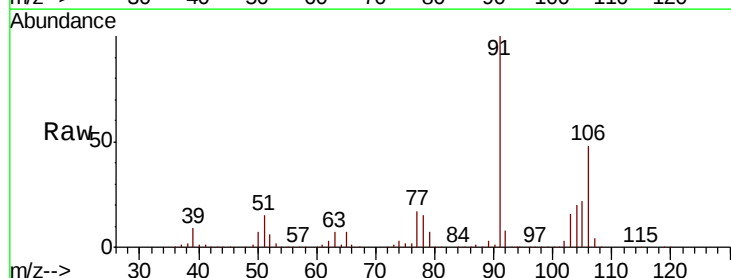
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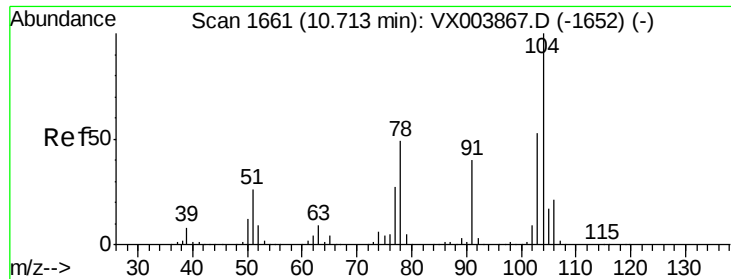
MMDadoda
8/10/2018 10:56:34 AM



#69
o-Xylene
Concen: 52.14 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.6	101.9	368050	305.7	





#70

Stvrene

Concen: 52.43 ug/l

RT: 10.71 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

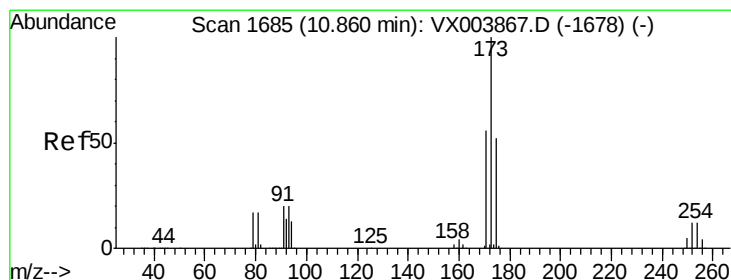
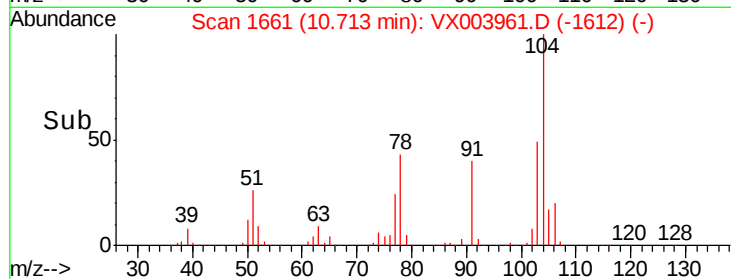
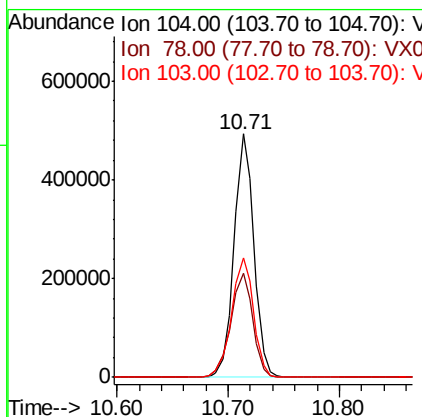
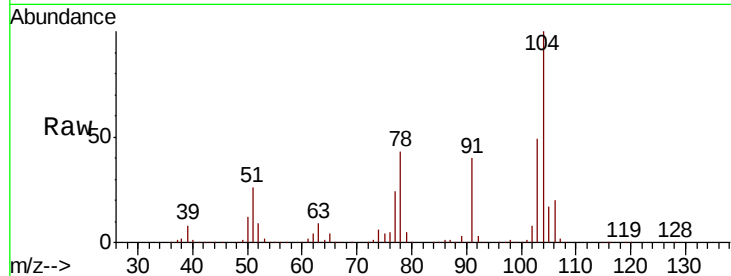
ClientSampleId :

MW-103SMS

Tot Ion:	104	Resp:	606001
Ion Ratio	Lower	Upper	
104	100		
78	47.9	39.8	59.6
103	54.6	44.3	66.5

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#71

Bromoform

Concen: 49.31 ug/l

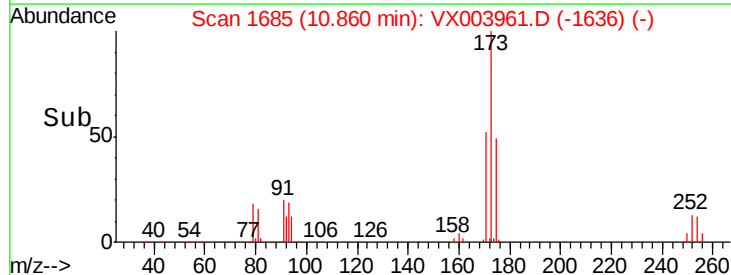
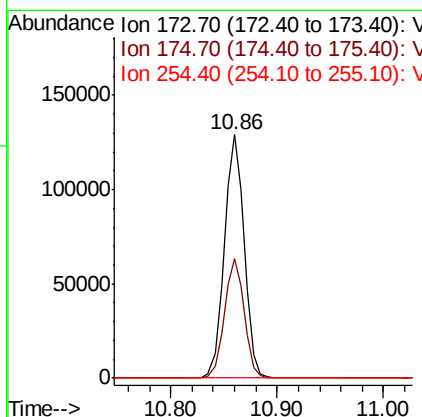
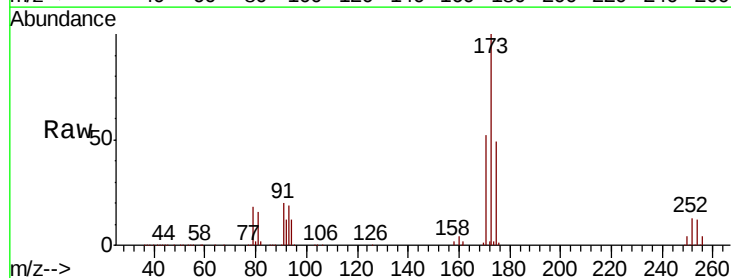
RT: 10.86 min Scan# 1685

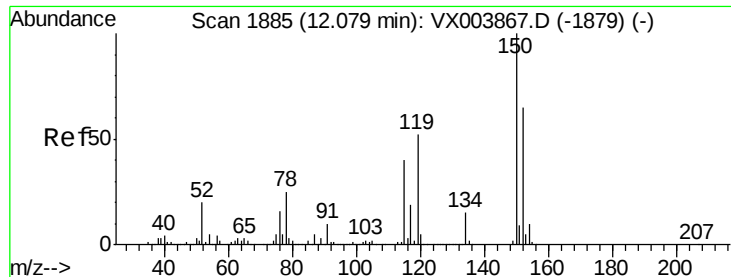
Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Tgt Ion:	173	Resp:	167884
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.9	74.7
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion:152 Resp: 262676

Ion Ratio Lower Upper

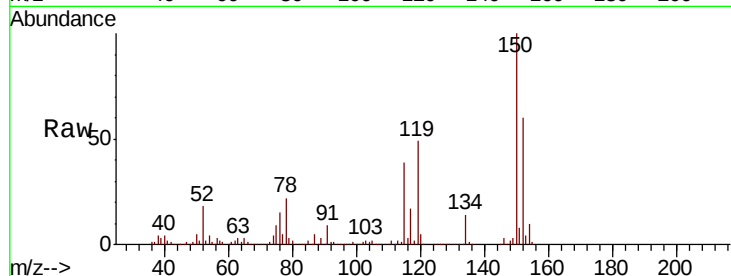
152 100

115 76.7 39.1 117.3

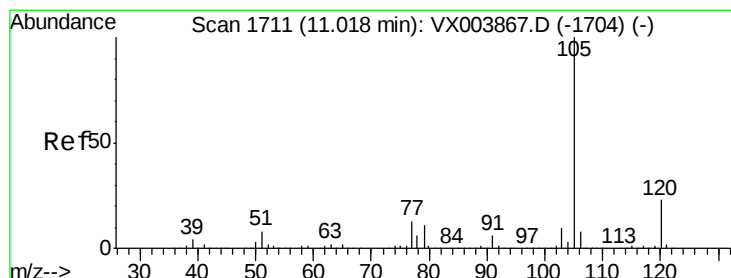
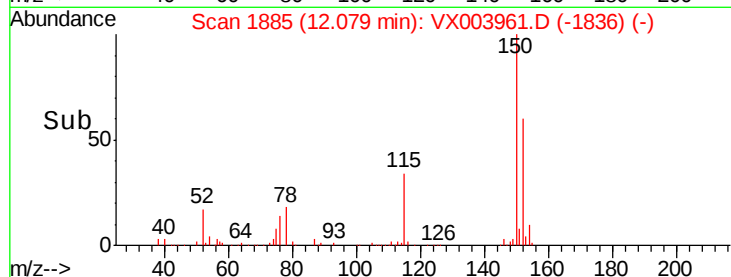
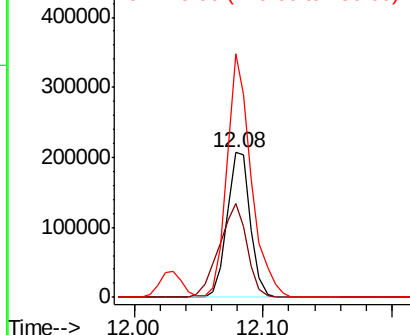
150 173.9 0.0 349.2

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



#73

Isopropylbenzene

Concen: 49.84 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003961.D

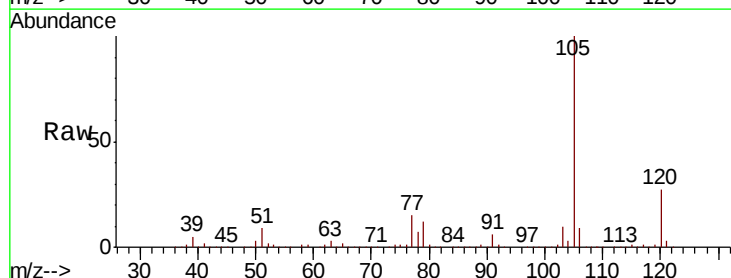
Acq: 09 Aug 2018 19:57

Tgt Ion:105 Resp: 968510

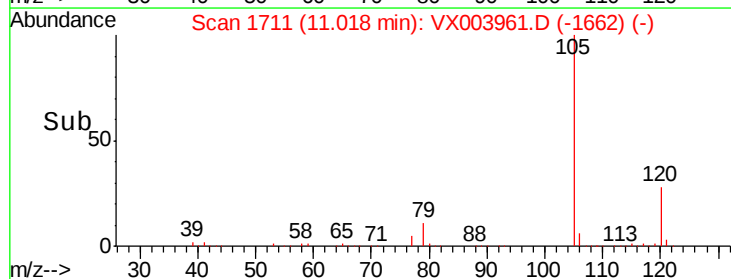
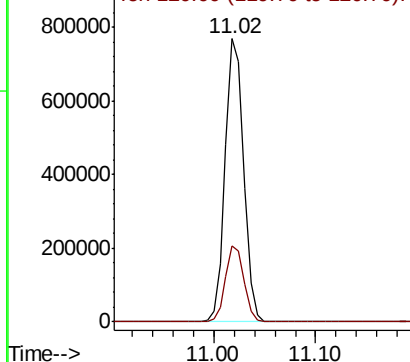
Ion Ratio Lower Upper

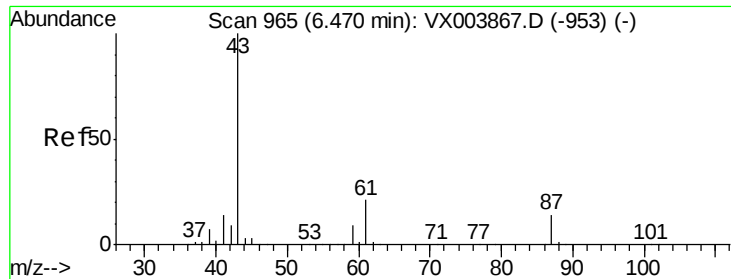
105 100

120 26.9 12.6 37.8



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





#74

N-amvl acetate

Concen: 44.17 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion: 43 Resp: 446370

Ion Ratio Lower Upper

43 100

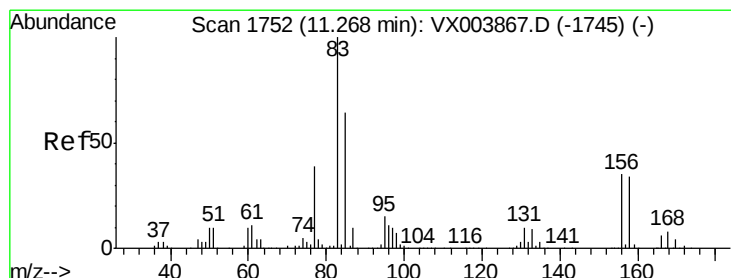
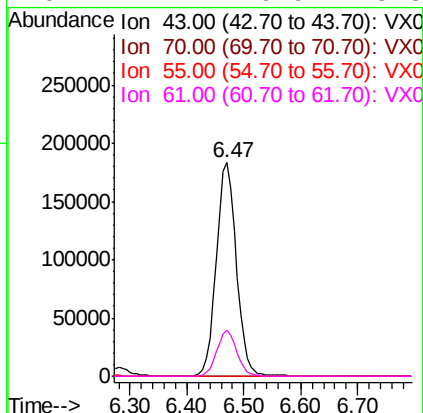
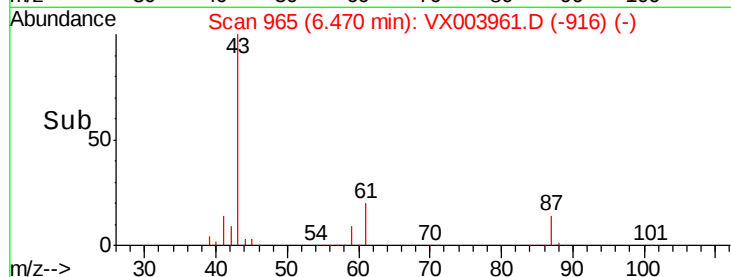
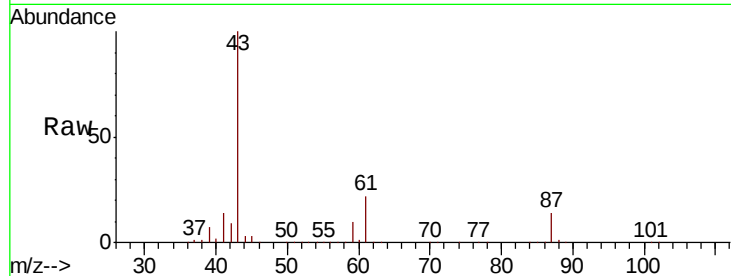
70 0.0 0.0 0.0#

55 0.1 0.1 0.1

61 21.4 16.9 25.3

Manual Integrations
APPROVED

MMDadoda
8/10/2018 10:56:34 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 50.48 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

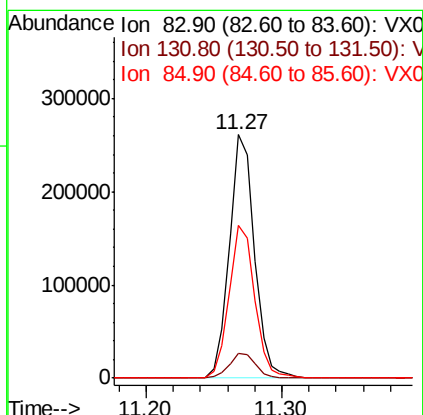
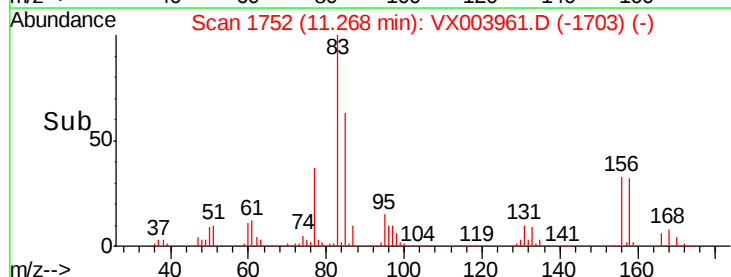
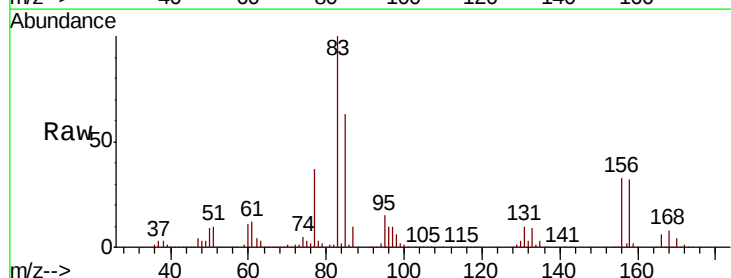
Tgt Ion: 83 Resp: 336180

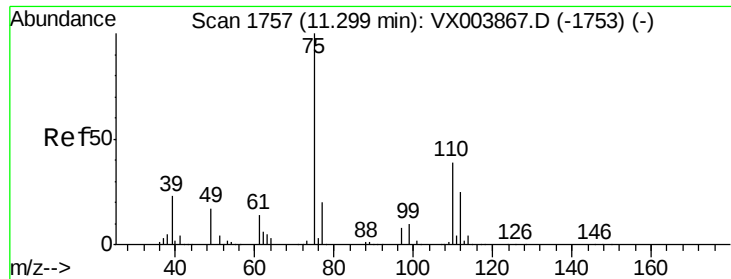
Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

85 64.1 32.2 96.6





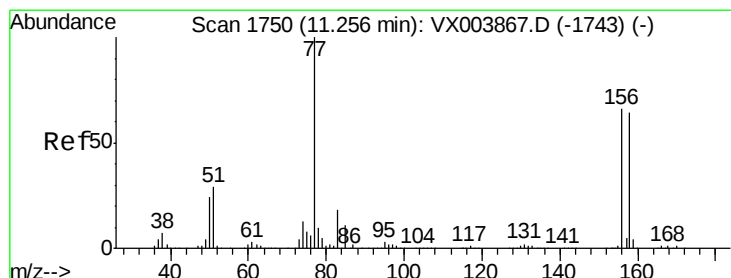
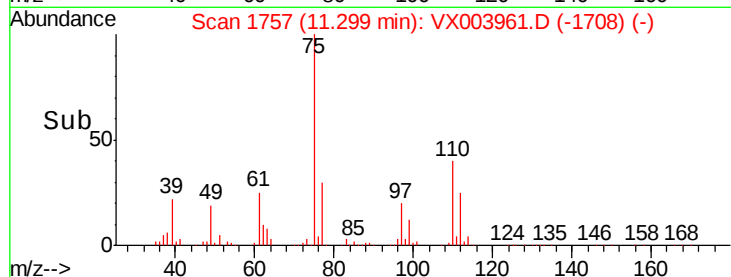
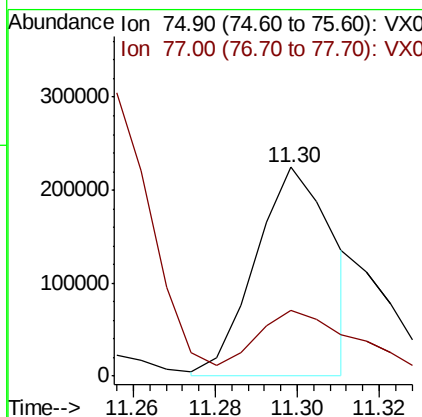
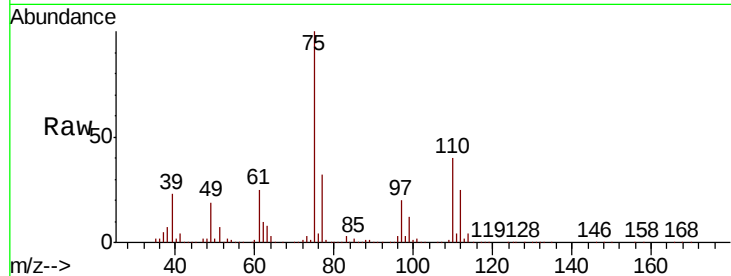
#76
 1,2,3-Trichloropropane
 Concen: 51.01 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103SMS

Tot Ion: 75 Resp: 295941
 Ion Ratio Lower Upper
 75 100
 77 40.9 20.8 62.5

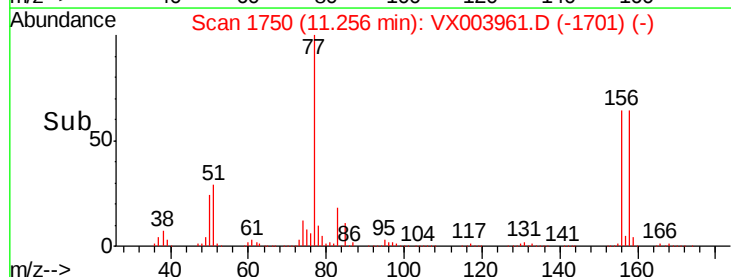
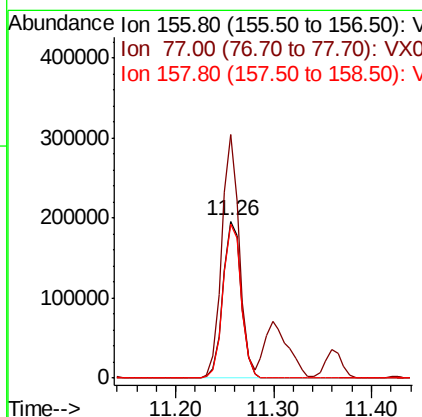
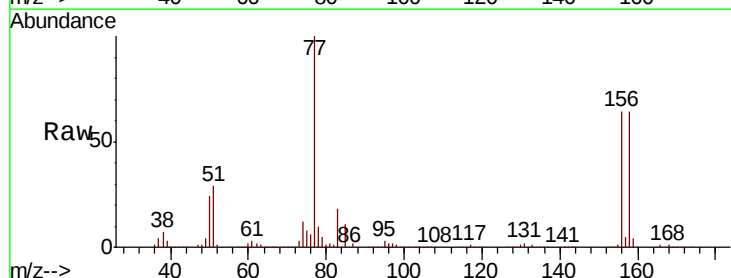
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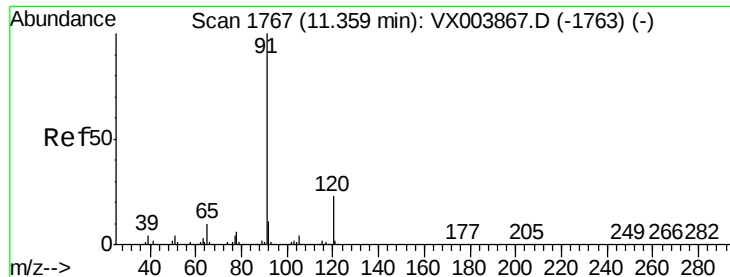
MMDadoda
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#77
 Bromobenzene
 Concen: 49.07 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Tgt Ion: 156 Resp: 254362
 Ion Ratio Lower Upper
 156 100
 77 148.0 74.1 222.2
 158 97.8 48.6 145.9





#78

n-propylbenzene

Concen: 49.98 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion: 91 Resp: 1090670

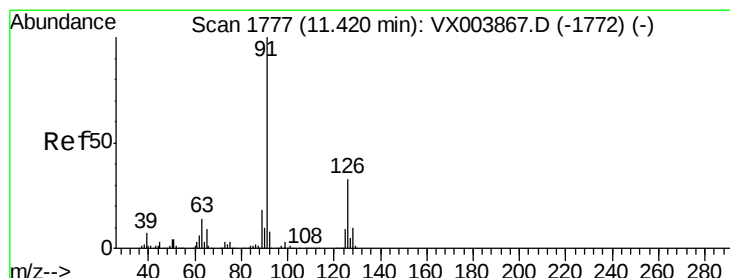
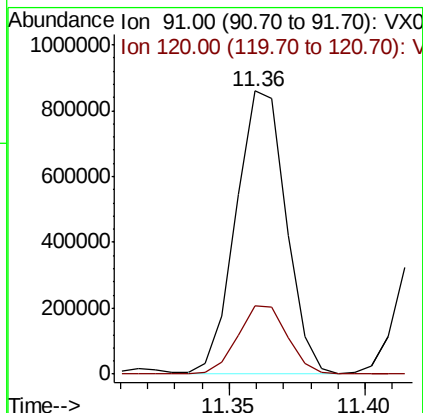
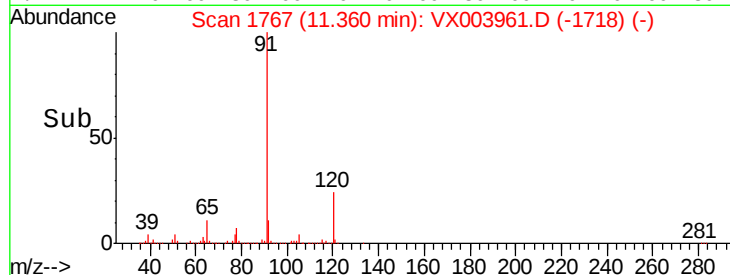
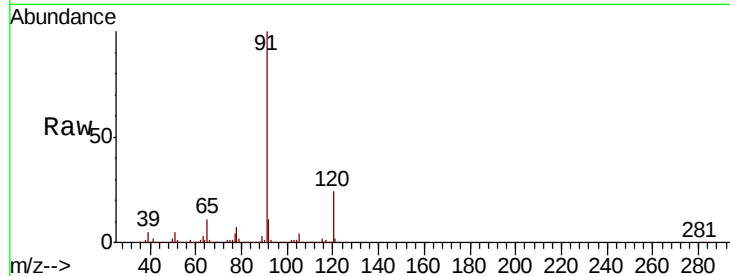
Ion Ratio Lower Upper

91 100

120 24.1 11.9 35.5

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#79

2-Chlorotoluene

Concen: 49.13 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003961.D

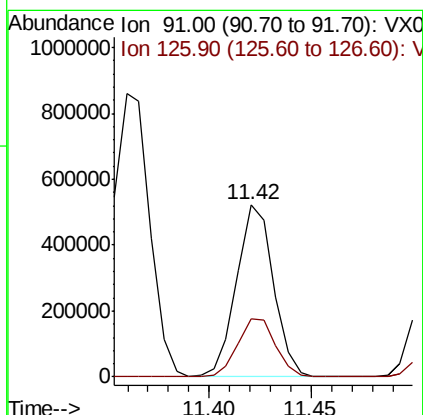
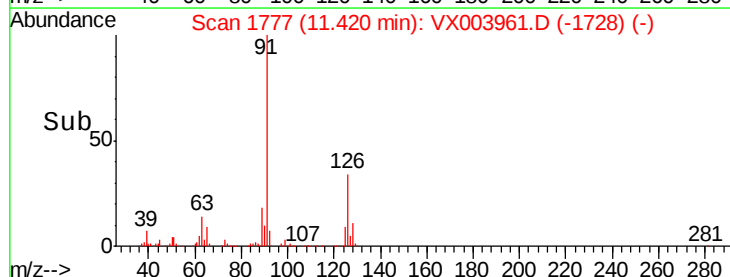
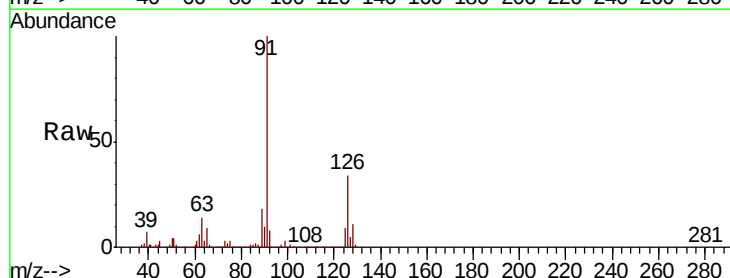
Acq: 09 Aug 2018 19:57

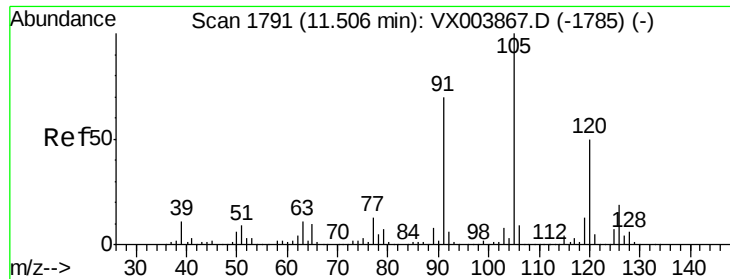
Tgt Ion: 91 Resp: 653631

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3





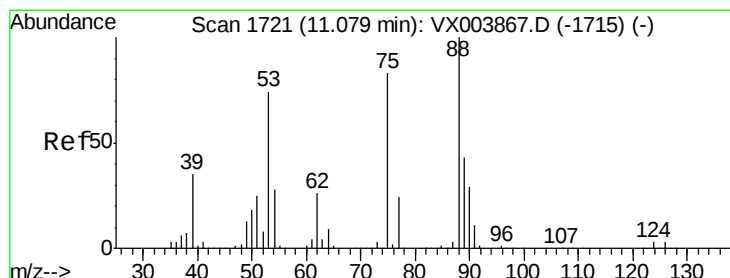
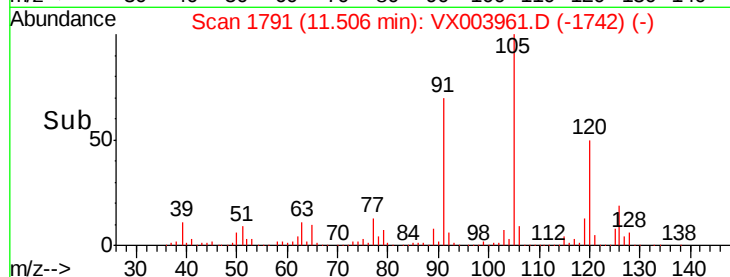
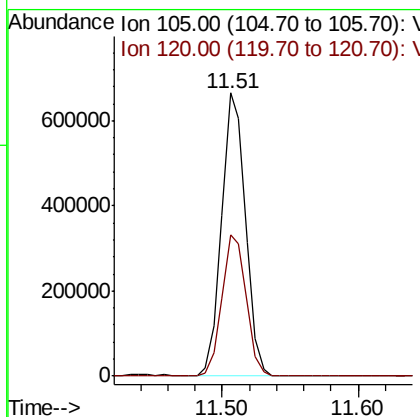
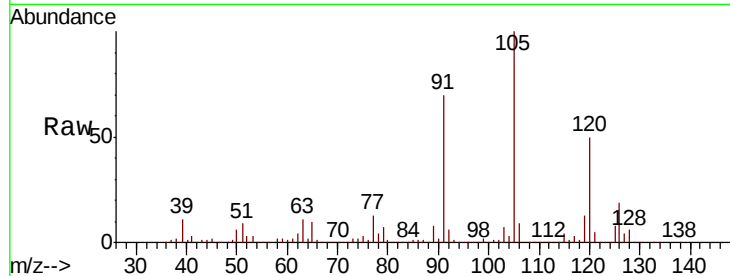
#80
 1,3,5-Trimethylbenzene
 Concen: 51.05 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampled :
 MW-103SMS

Tot Ion:105 Resp: 808821
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.4 76.2

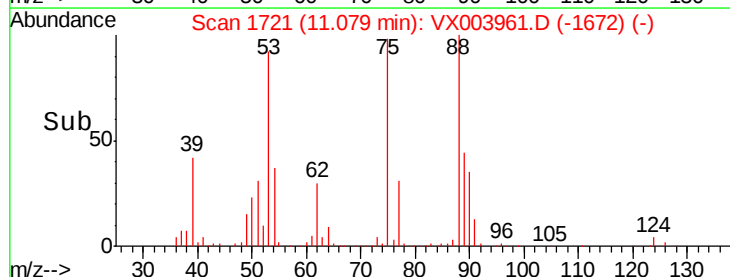
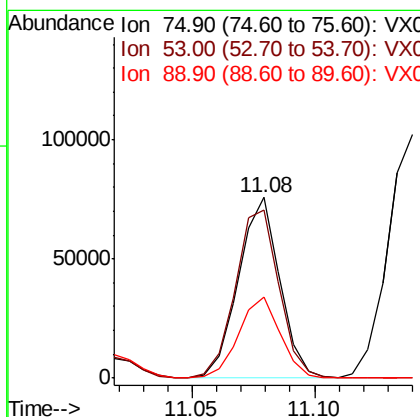
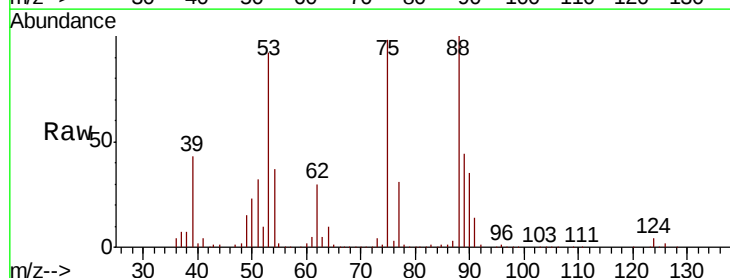
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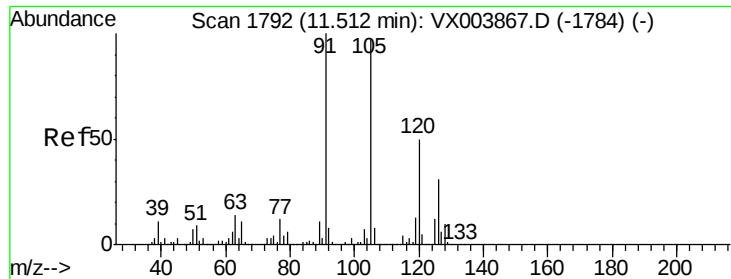
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 8/10/2018 10:56:34 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.80 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Tgt Ion: 75 Resp: 88344
 Ion Ratio Lower Upper
 75 100
 53 99.1 80.3 120.5
 89 45.3 37.8 56.8





#82

4-Chlorotoluene

Concen: 49.15 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampled :

MW-103SMS

Tot Ion: 91 Resp: 766020

Ion Ratio Lower Upper

91 100

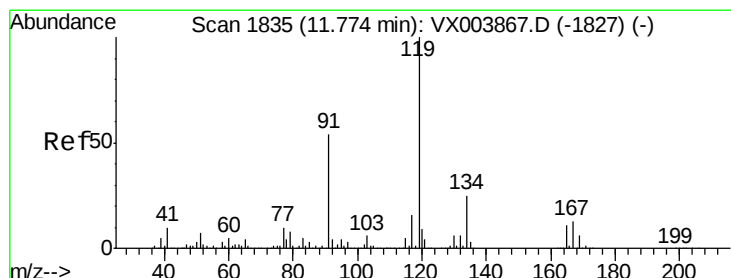
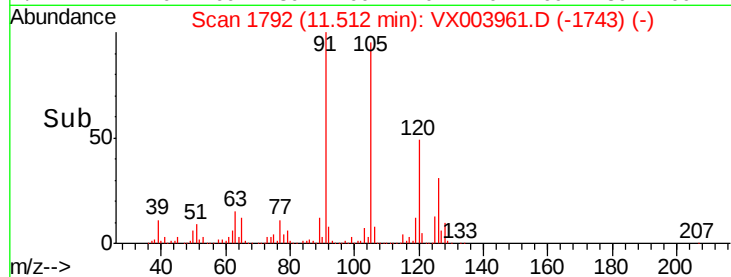
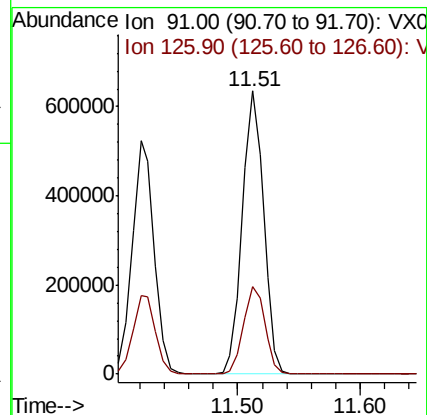
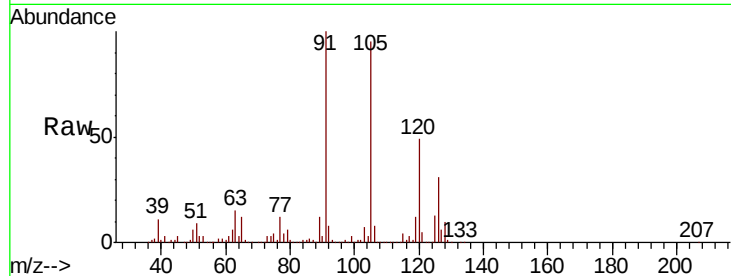
126 31.1 15.6 46.7

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#83

tert-Butylbenzene

Concen: 52.34 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

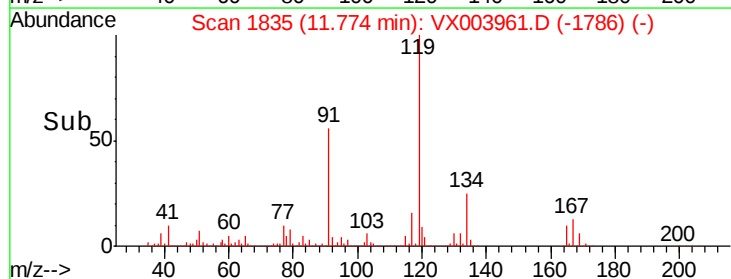
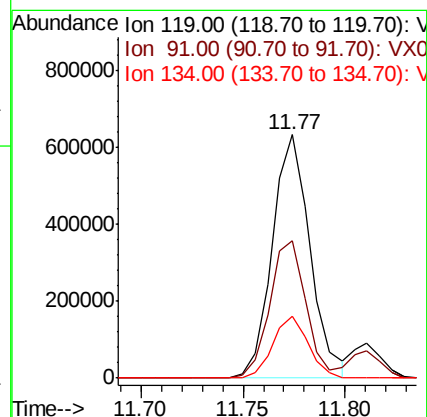
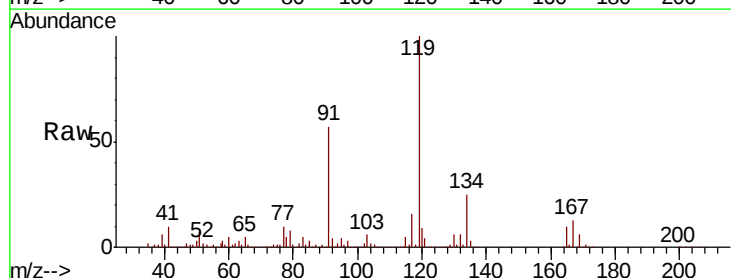
Tgt Ion: 119 Resp: 815850

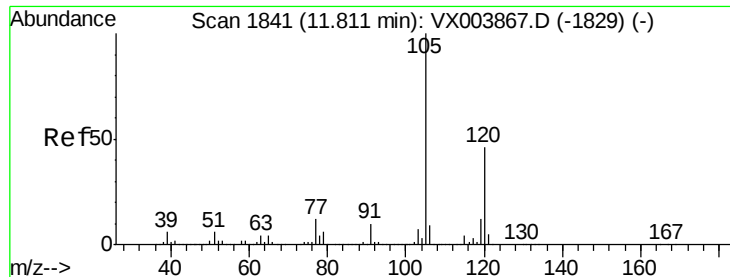
Ion Ratio Lower Upper

119 100

91 54.0 26.9 80.7

134 24.1 12.0 36.0





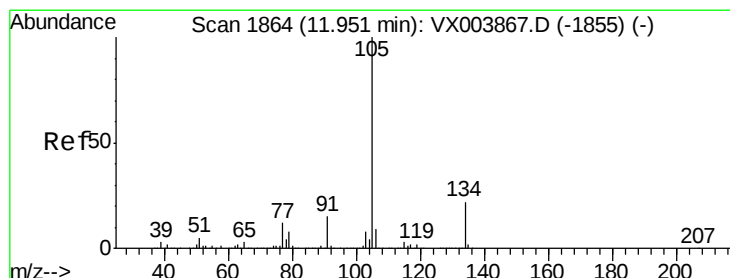
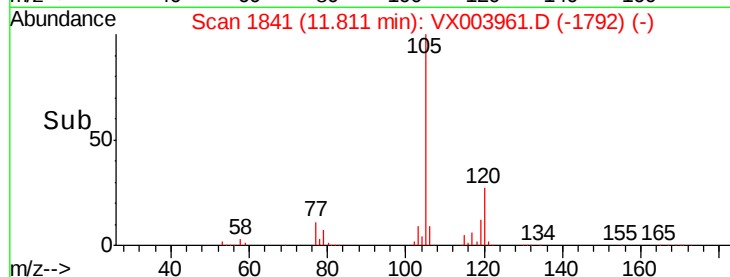
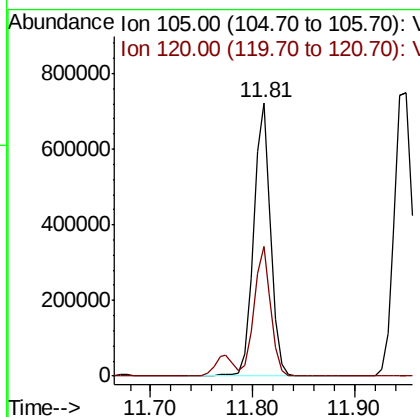
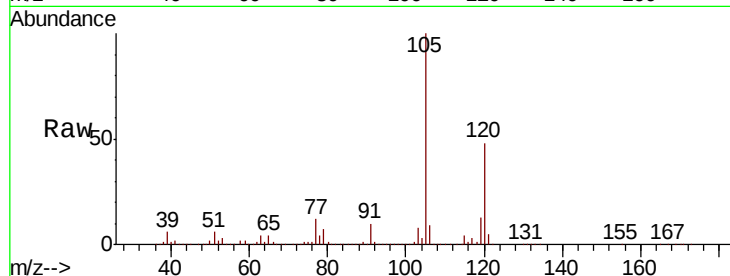
#84
 1,2,4-Trimethylbenzene
 Concen: 52.90 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampled :
 MW-103SMS

Tot Ion:105 Resp: 842800
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.1 69.2

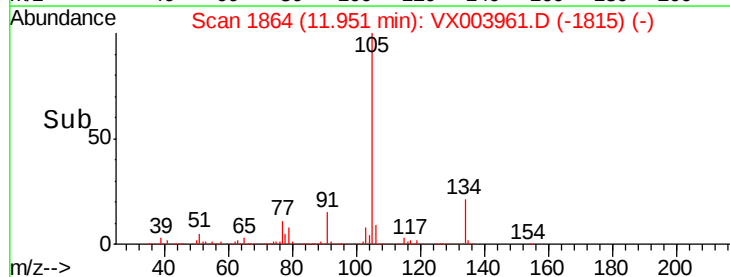
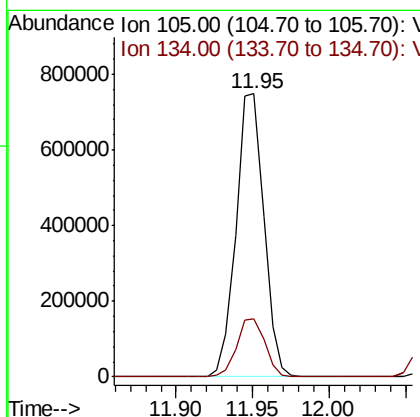
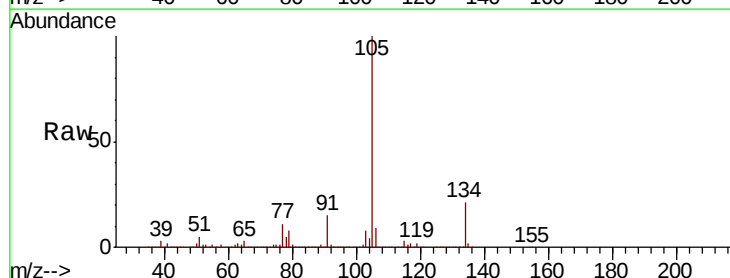
Manual Integrations
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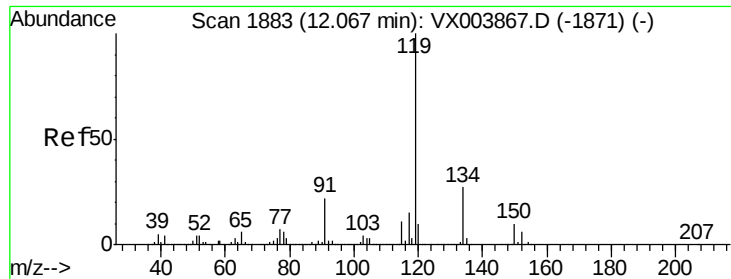
MMDadoda
 8/10/2018 10:56:34 AM



#85
 sec-Butylbenzene
 Concen: 51.33 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Tgt Ion:105 Resp: 944348
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.9





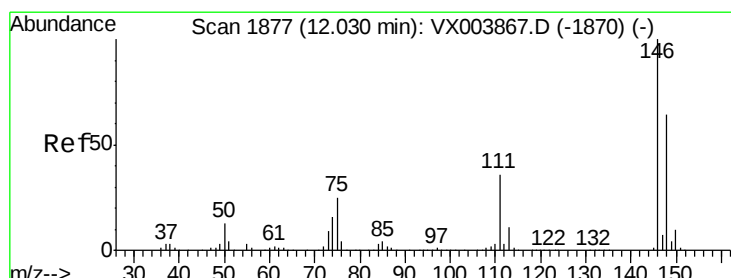
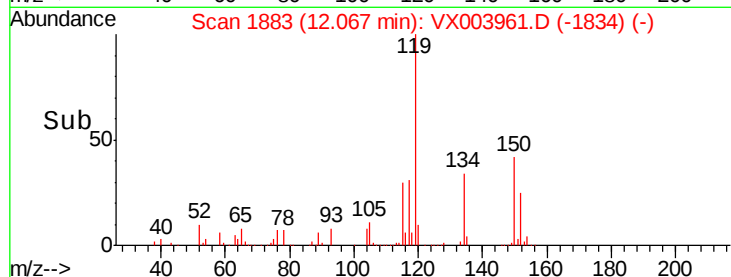
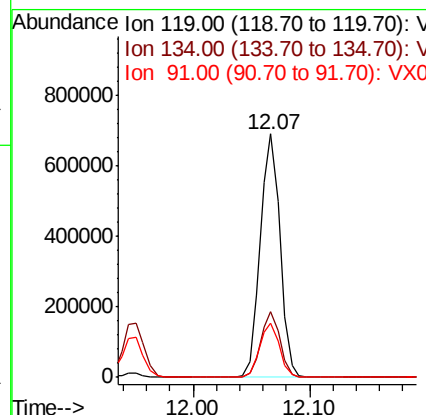
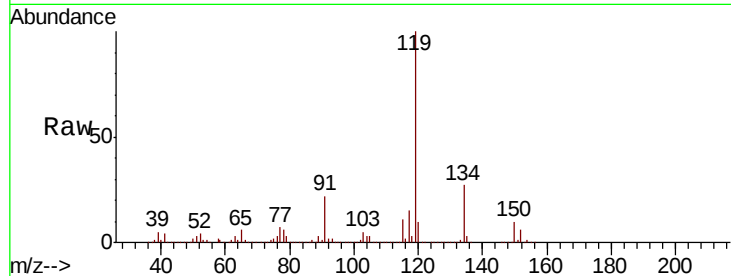
#86
p-Isopropyltoluene
Concen: 49.81 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-103SMS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	22.0	10.9	32.7

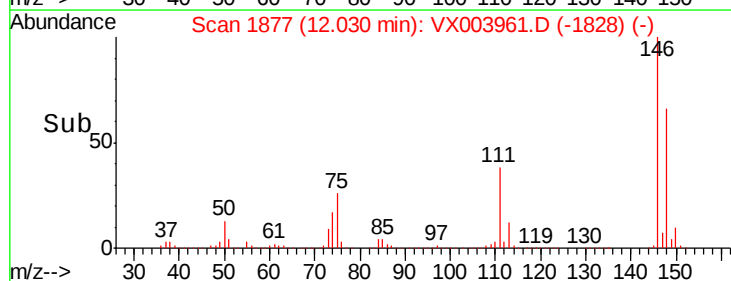
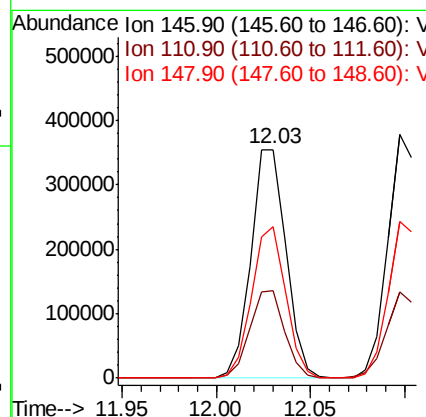
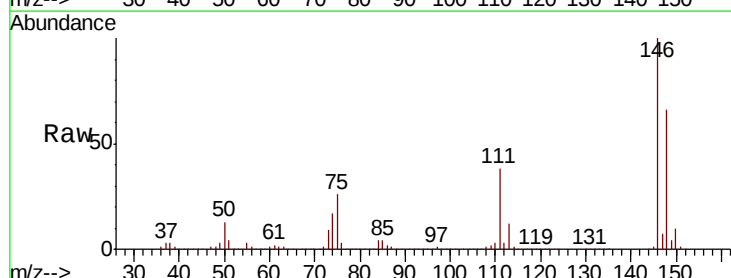
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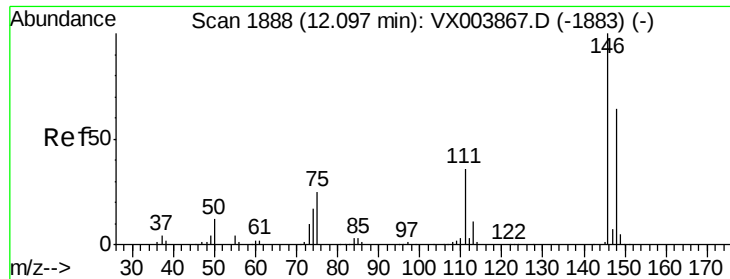
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#87
1,3-Dichlorobenzene
Concen: 47.85 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	64.4	31.9	95.5





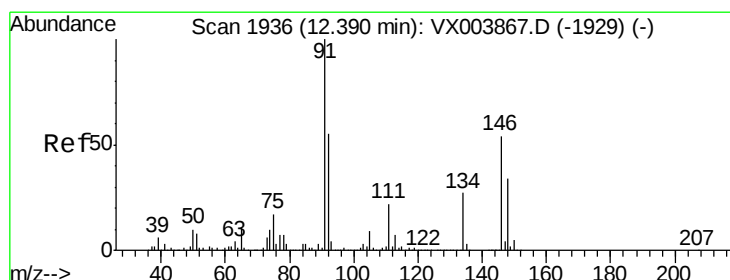
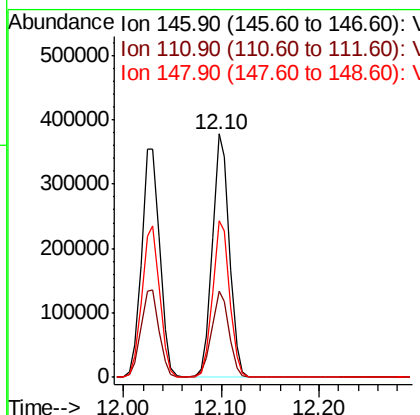
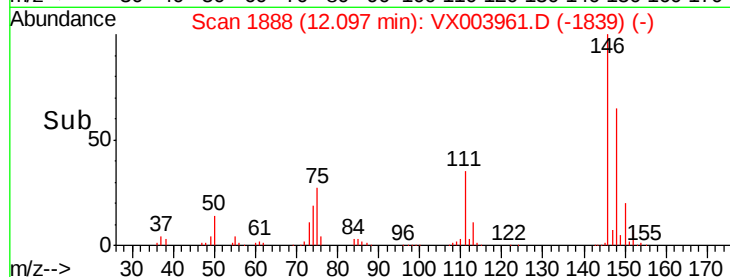
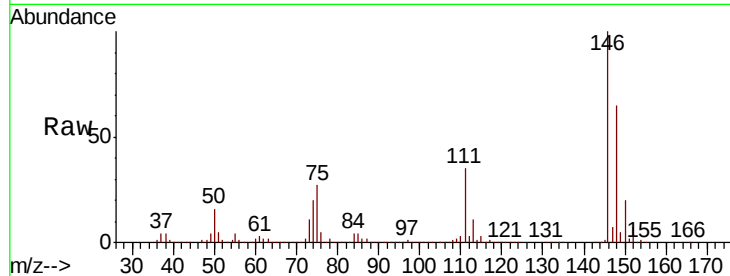
#88
 1,4-Dichlorobenzene
 Concen: 49.43 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103SMS

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.4	55.0
148	64.5	32.3	96.8

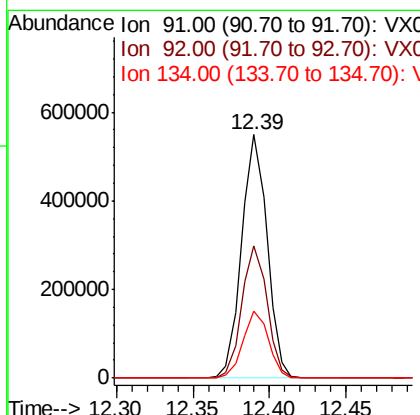
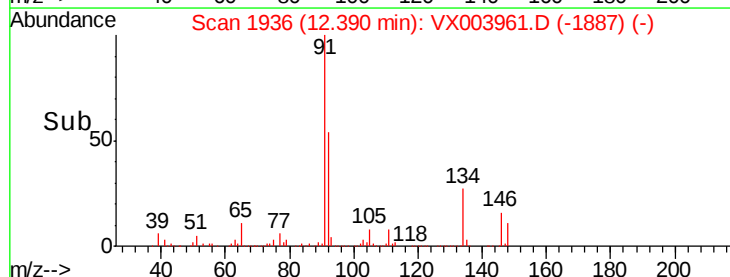
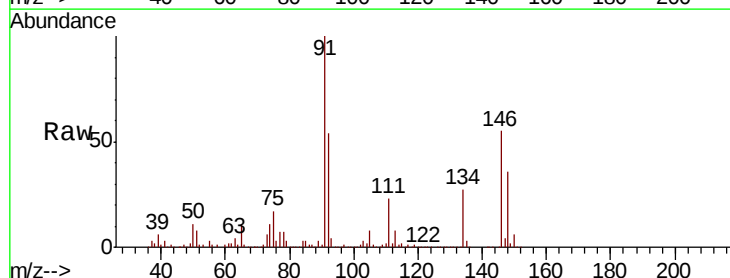
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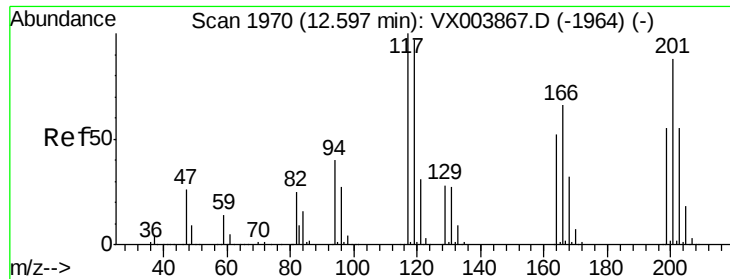
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#89
 n-Butylbenzene
 Concen: 44.12 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.3
134	27.4	13.6	40.7





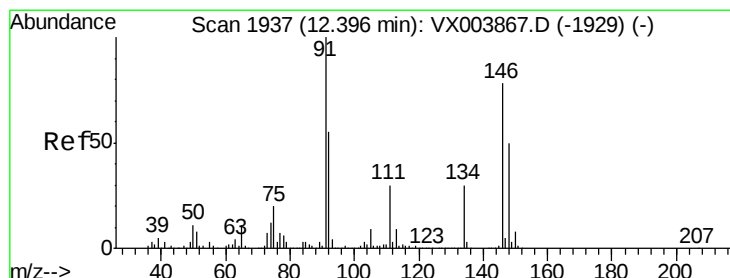
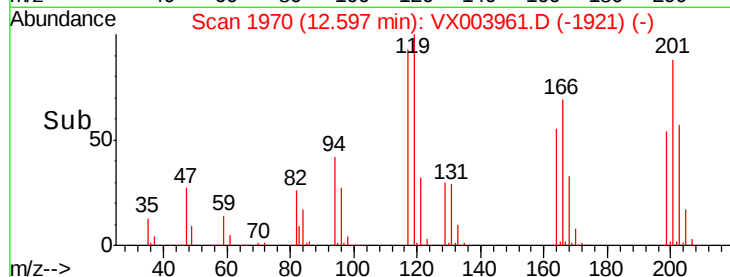
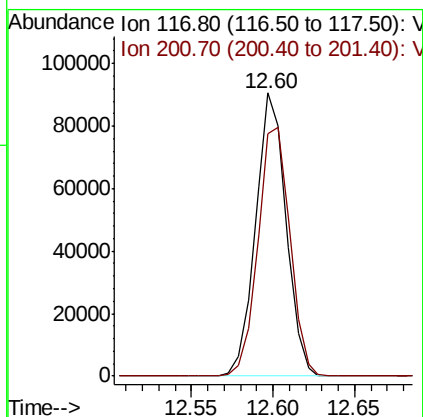
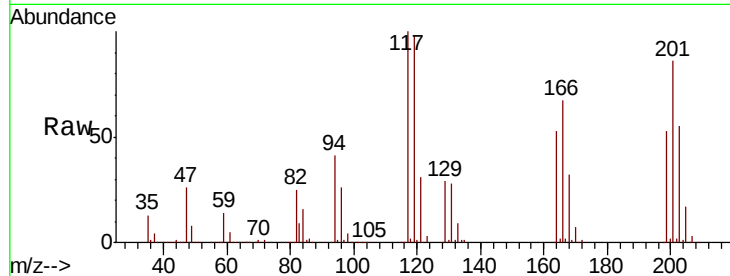
#90
Hexachloroethane
Concen: 43.74 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-103SMS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	117241		
201	92.0	46.1	138.2	

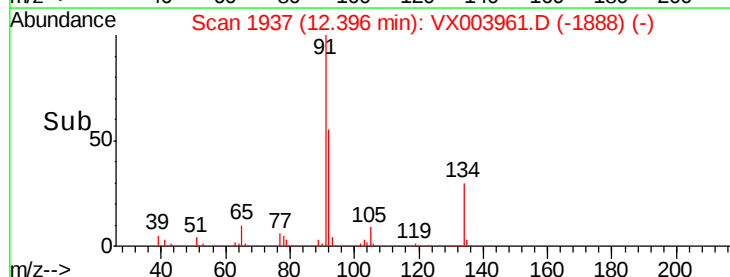
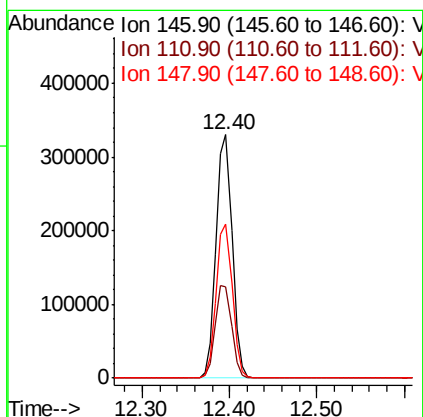
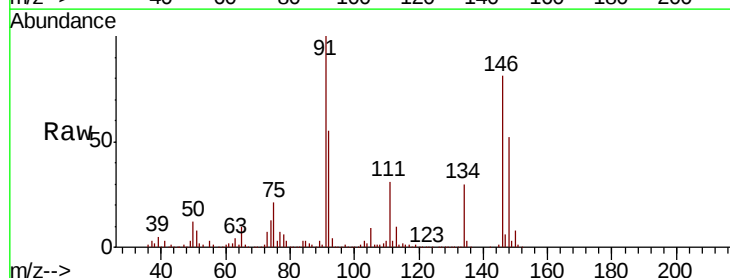
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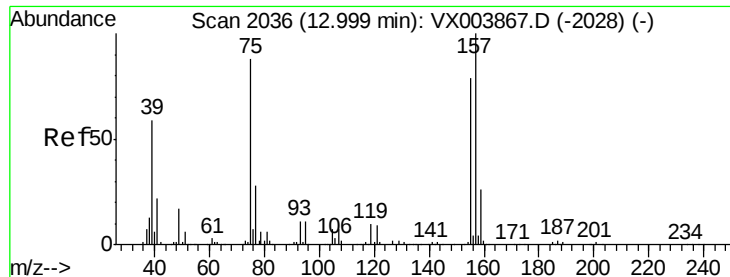
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#91
1,2-Dichlorobenzene
Concen: 44.07 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX003961.D
Acq: 09 Aug 2018 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	418547		
111	38.9	19.7	59.0	
148	63.6	31.9	95.5	





#92

1,2-Dibromo-3-Chloropropane

Concen: 48.47 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-103SMS

Tot Ion: 75 Resp: 66133

Ion Ratio Lower Upper

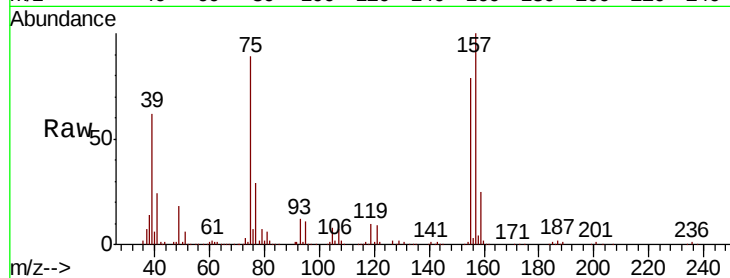
75 100

155 99.0 48.7 146.1

157 127.2 62.6 187.8

Manual Integrations
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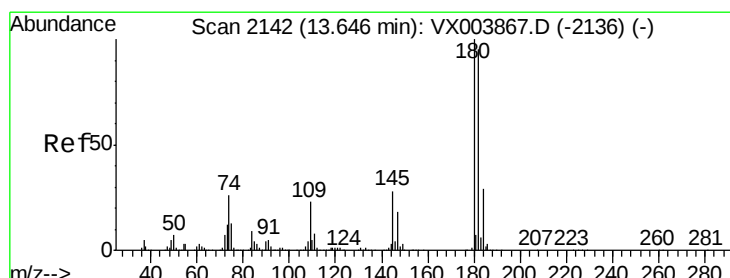
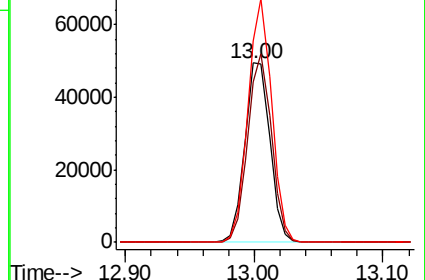
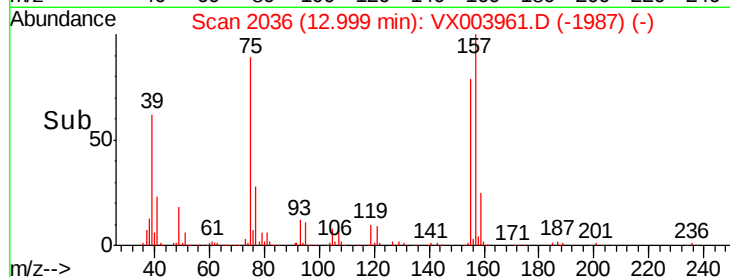
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Abundance Ion 74.90 (74.60 to 75.60): VX003961.D (-1987) (-)

Ion 154.80 (154.50 to 155.50): VX003961.D (-1987) (-)

Ion 156.80 (156.50 to 157.50): VX003961.D (-1987) (-)



#93

1,2,4-Trichlorobenzene

Concen: 49.10 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

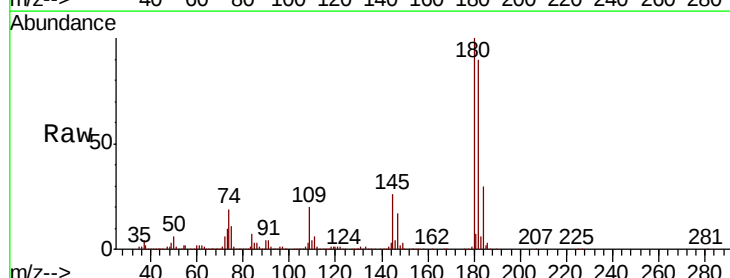
Tgt Ion: 180 Resp: 335398

Ion Ratio Lower Upper

180 100

182 94.3 47.7 143.1

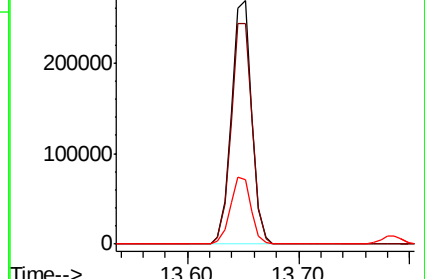
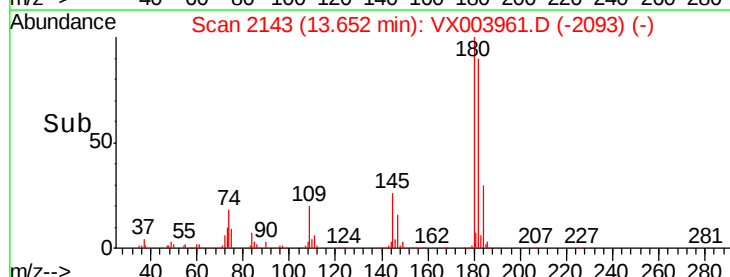
145 28.0 13.9 41.6

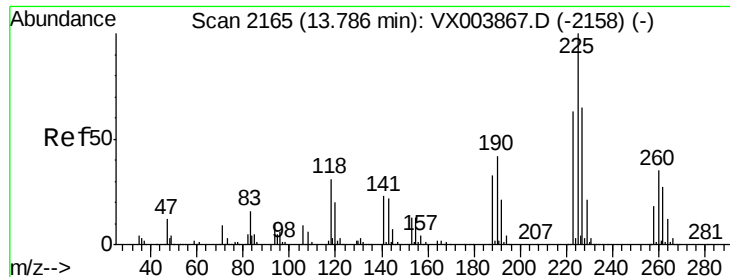


Abundance Ion 179.80 (179.50 to 180.50): VX003961.D (-2093) (-)

Ion 181.80 (181.50 to 182.50): VX003961.D (-2093) (-)

Ion 144.80 (144.50 to 145.50): VX003961.D (-2093) (-)





#94

Hexachlorobutadiene

Concen: 51.43 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003961.D

Acq: 09 Aug 2018 19:57

Instrument :

MSVOA_X

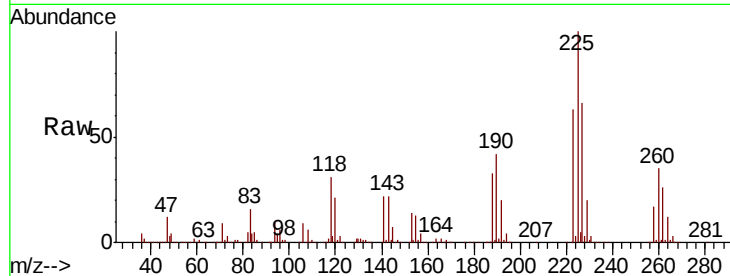
ClientSampleId :

MW-103SMS

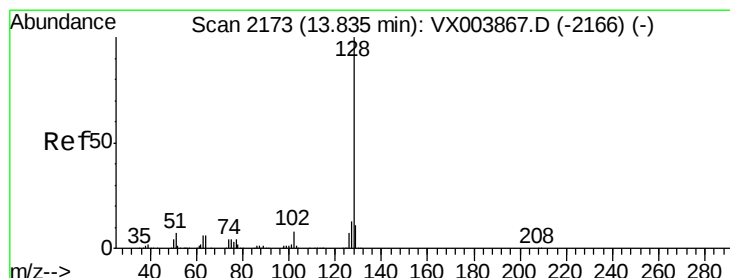
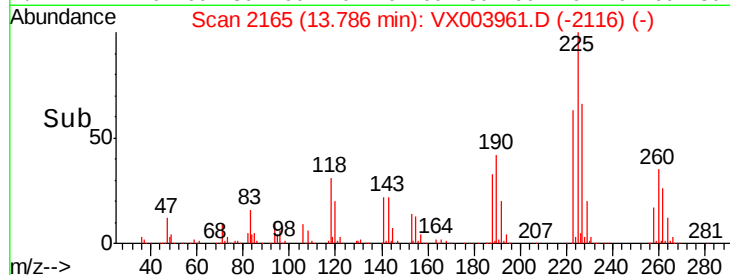
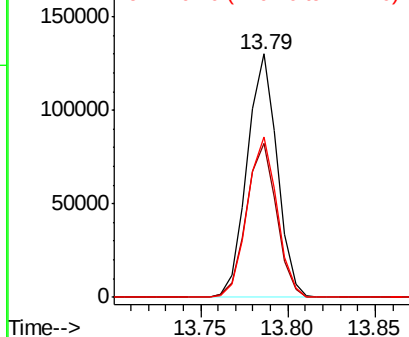
Tot Ion:	225	Resp:	155036
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.4	94.0
227	65.2	32.1	96.5

Manual Integrations
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 71.64 ug/l

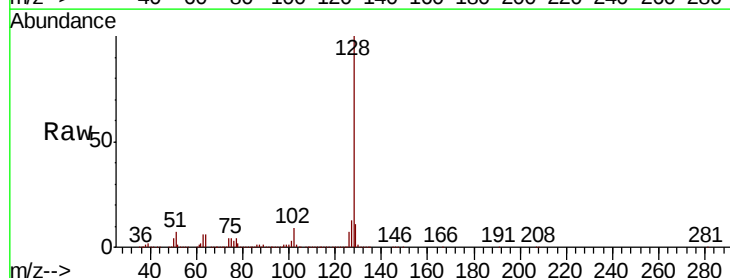
RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

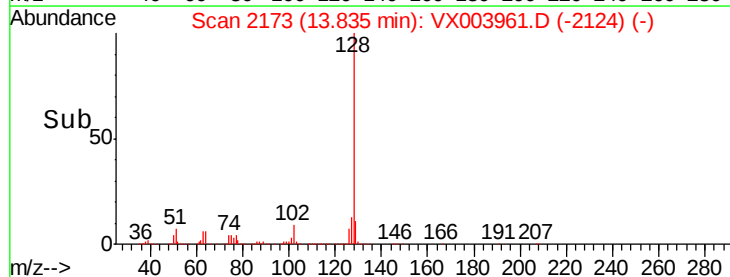
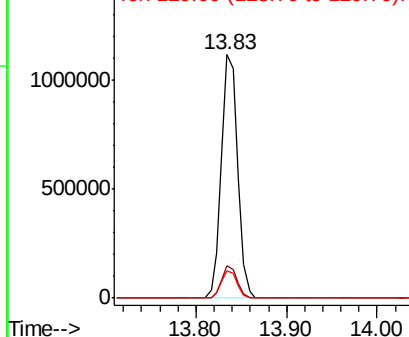
Lab File: VX003961.D

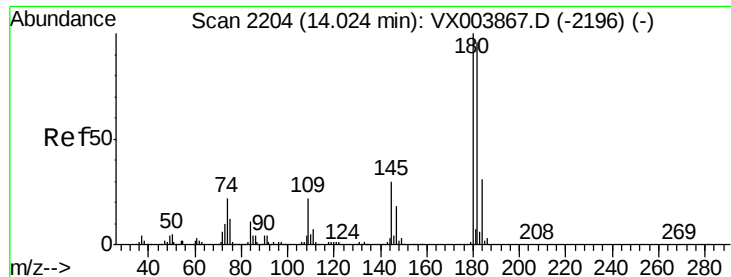
Acq: 09 Aug 2018 19:57

Tgt Ion:	128	Resp:	1401664
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2



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: 53.33 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003961.D
 Acq: 09 Aug 2018 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103SMS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.8	48.1	144.4
145	29.4	14.9	44.7

Manual Integrations
 APPROVED

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