

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX002987.D
 Acq On : 28 Jun 2018 16:07
 Operator : JC/MD
 Sample : VX0628WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Manual Integrations
 APPROVED

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 6/29/2018 12:22:53 PM

Quant Time: Jun 29 06:54:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	265948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	367306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	216983	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	185630	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	5.51	113	149564	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
50) Toluene-d8	8.72	98	536582	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.14	95	202825	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	59643	24.97	ug/l	98
3) Chloromethane	1.32	50	57541	22.69	ug/l	98
4) Vinyl Chloride	1.40	62	62533	20.79	ug/l	# 86
5) Bromomethane	1.64	94	29167	19.09	ug/l	97
6) Chloroethane	1.72	64	41166	22.15	ug/l	99
7) Trichlorofluoromethane	1.93	101	101428	19.99	ug/l	98
8) Diethyl Ether	2.19	74	35960	19.50	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57498	19.56	ug/l	99
10) Methyl Iodide	2.51	142	42012	18.56	ug/l	99
11) Tert butyl alcohol	3.08	59	72773	99.38	ug/l	98
12) 1,1-Dichloroethene	2.37	96	52335	19.95	ug/l	95
13) Acrolein	2.29	56	42805	107.88	ug/l	99
14) Allyl chloride	2.73	41	102733	19.87	ug/l	97
15) Acrylonitrile	3.15	53	159315	101.86	ug/l	99
16) Acetone	2.45	43	162948	107.04	ug/l	100
17) Carbon Disulfide	2.57	76	151462	21.67	ug/l	100
18) Methyl Acetate	2.78	43	75222	17.67	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	184863	19.61	ug/l	98
20) Methylene Chloride	2.86	84	58562	19.77	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	56379	19.74	ug/l	93
22) Diisopropyl ether	3.88	45	195071	19.74	ug/l	99
23) Vinyl Acetate	3.83	43	868707	103.81	ug/l	98
24) 1,1-Dichloroethane	3.70	63	104745	19.50	ug/l	100
25) 2-Butanone	4.71	43	236639	104.74	ug/l	97
26) 1,2-Dichloropropane	4.59	77	84013	19.23	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	63790	19.92	ug/l	100
28) Bromochloromethane	5.03	49	51799	20.15	ug/l	95
29) Tetrahydrofuran	5.17	42	147385	101.73	ug/l	96
30) Chloroform	5.22	83	110219	19.99	ug/l	98
31) Cyclohexane	5.57	56	91999	19.96	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	96443	19.88	ug/l	100
36) 1,1-Dichloropropene	5.80	75	78231	19.42	ug/l	97
37) Ethyl Acetate	4.87	43	91122	21.01	ug/l	98
38) Carbon Tetrachloride	5.79	117	87357	19.76	ug/l	96

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91627	19.53	ug/l	96
40) Benzene	6.15	78	232406	19.86	ug/l	99
41) Methacrylonitrile	5.07	41	51344	20.56	ug/l	98
42) 1,2-Dichloroethane	6.20	62	92843	19.64	ug/l	99
43) Isopropyl Acetate	6.47	43	142715	19.62	ug/l	99
44) Trichloroethene	7.21	130	68131	19.53	ug/l	98
45) 1,2-Dichloropropane	7.52	63	61159	19.70	ug/l	98
46) Dibromomethane	7.67	93	42848	19.89	ug/l	96
47) Bromodichloromethane	7.90	83	79708	20.01	ug/l	99
48) Methyl methacrylate	7.78	41	72638	19.38	ug/l	97
49) 1,4-Dioxane	7.76	88	30283	415.32	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	465907	102.38	ug/l	99
52) Toluene	8.79	92	150551	20.08	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	90395	20.04	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	81622	18.81	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	62157	20.18	ug/l	98
56) Ethyl methacrylate	9.18	69	89915	19.97	ug/l	97
57) 1,3-Dichloropropane	9.38	76	101135	19.99	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	217843	100.28	ug/l	98
59) 2-Hexanone	9.50	43	359581	103.97	ug/l	98
60) Dibromochloromethane	9.59	129	64448	19.87	ug/l	99
61) 1,2-Dibromoethane	9.68	107	65170	20.17	ug/l	100
64) Tetrachloroethene	9.34	164	76298	19.66	ug/l	98
65) Chlorobenzene	10.14	112	172532	19.46	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	63385	19.68	ug/l	100
67) Ethyl Benzene	10.26	91	288652	19.71	ug/l	99
68) m/p-Xylenes	10.36	106	224316	39.74	ug/l	100
69) o-Xylene	10.70	106	109580	19.94	ug/l	99
70) Styrene	10.71	104	179270	20.08	ug/l	99
71) Bromoform	10.86	173	49555	19.61	ug/l	100
73) Isopropylbenzene	11.02	105	300087	20.56	ug/l	100
74) N-amyl acetate	6.47	43	142715	19.98	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	93320	20.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	79934m	20.34	ug/l	
77) Bromobenzene	11.26	156	83405	20.06	ug/l	97
78) n-propylbenzene	11.37	91	340286	20.48	ug/l	99
79) 2-Chlorotoluene	11.43	91	202648	20.15	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	252647	20.55	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	21595	18.23	ug/l	95
82) 4-Chlorotoluene	11.51	91	237131	19.91	ug/l	99
83) tert-Butylbenzene	11.77	119	248002	20.47	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	257698	20.23	ug/l	98
85) sec-Butylbenzene	11.95	105	297819	20.26	ug/l	99
86) p-Isopropyltoluene	12.07	119	266223	20.15	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	151016	19.89	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	152550	19.53	ug/l	100
89) n-Butylbenzene	12.39	91	224176	19.49	ug/l	100
90) Hexachloroethane	12.60	117	36634	18.64	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	150294	19.61	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19709	19.50	ug/l	98

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Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

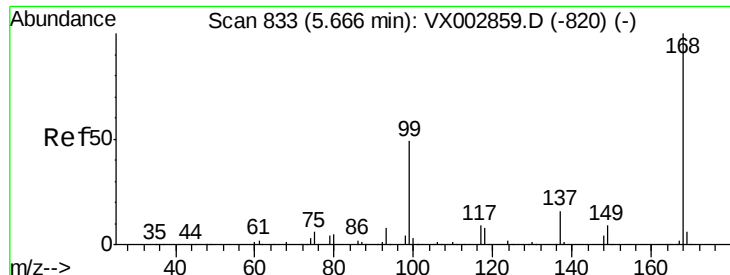
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	109244	19.59	ug/l	99
94) Hexachlorobutadiene	13.79	225	53025	19.06	ug/l	100
95) Naphthalene	13.84	128	302010	20.33	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	112281	20.16	ug/l	100

(#) = 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: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion:168 Resp: 265948

Ion Ratio Lower Upper

168 100

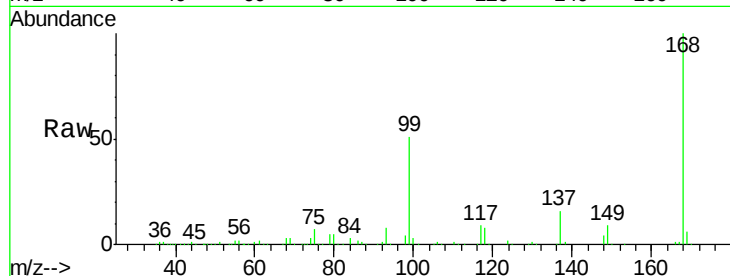
99 51.0 39.3 58.9

Manual Integrations

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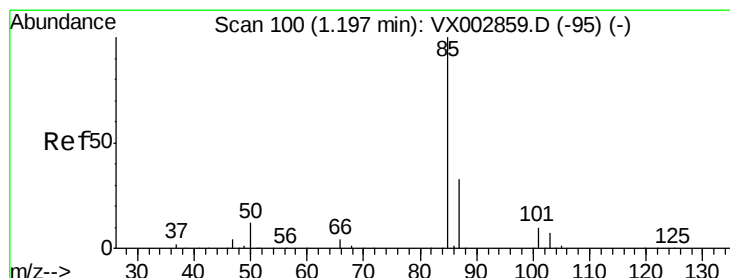
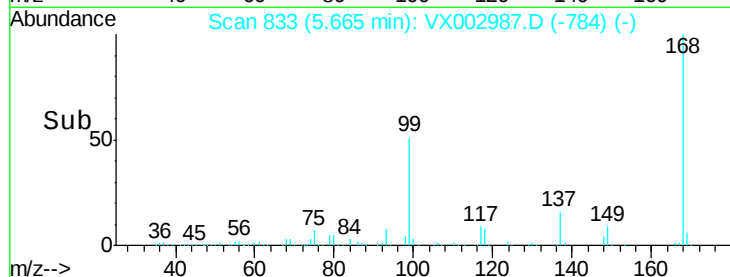
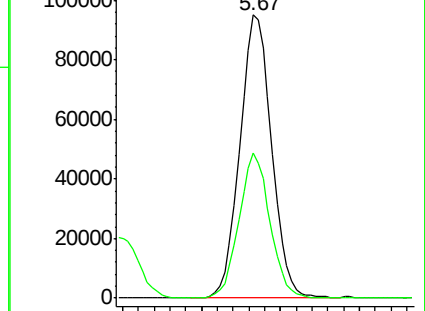
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 24.97 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002987.D

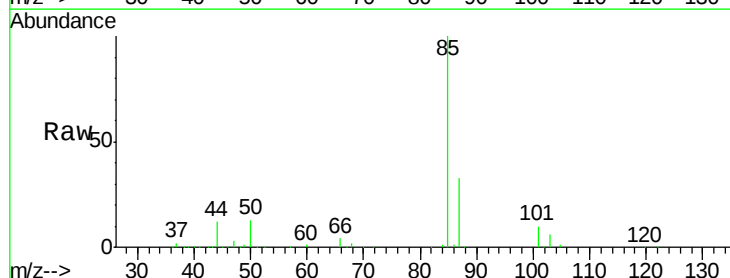
Acq: 28 Jun 2018 16:07

Tgt Ion: 85 Resp: 59643

Ion Ratio Lower Upper

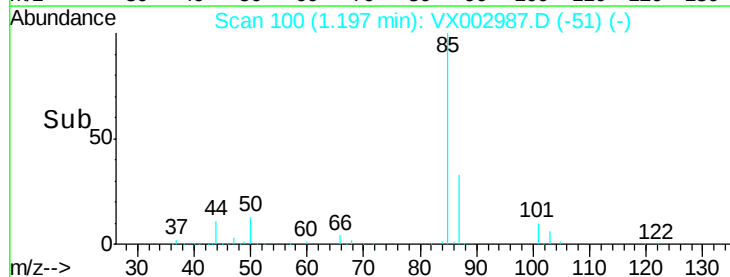
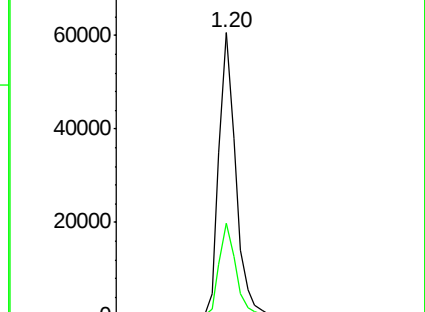
85 100

87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 22.69 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 50 Resp: 57541

Ion Ratio Lower Upper

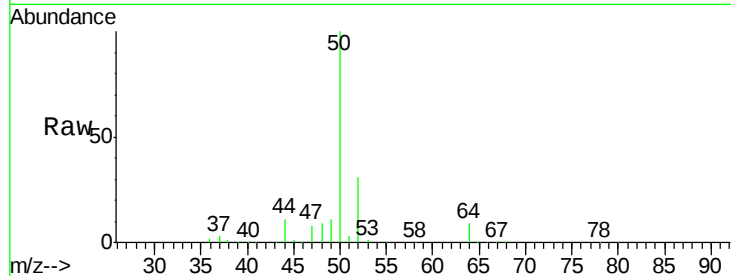
50 100

52 31.0 25.7 38.5

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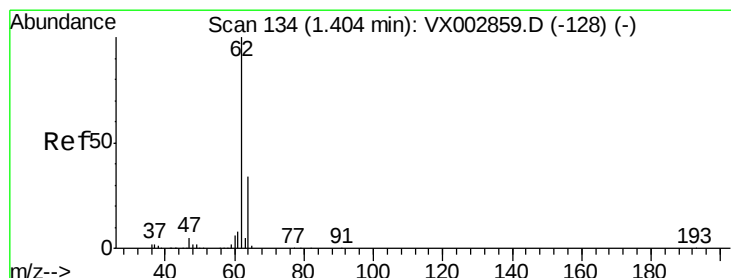
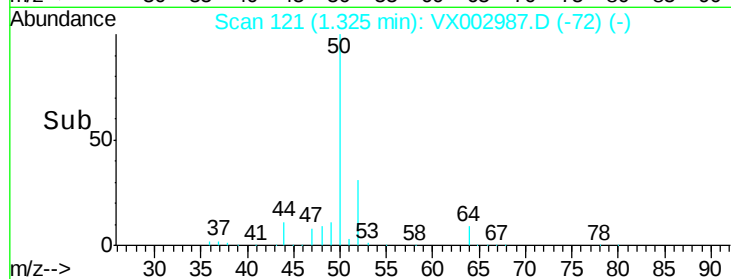
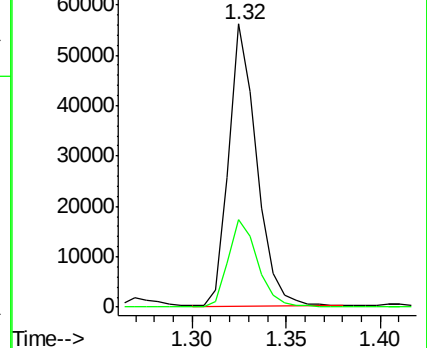
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.79 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002987.D

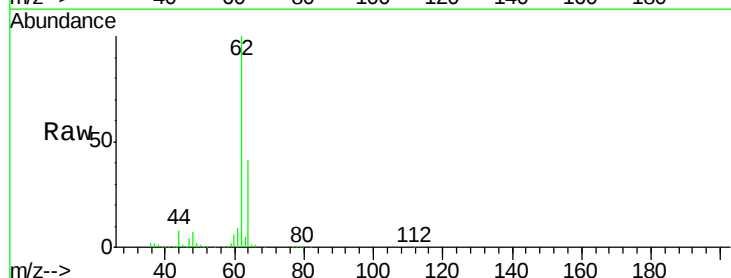
Acq: 28 Jun 2018 16:07

Tgt Ion: 62 Resp: 62533

Ion Ratio Lower Upper

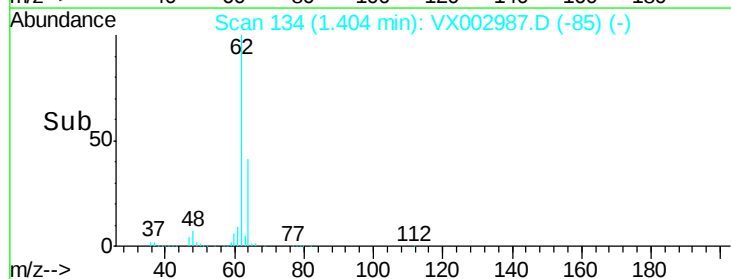
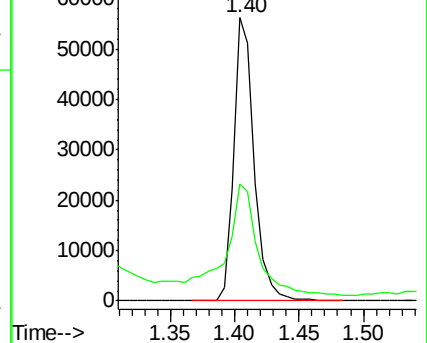
62 100

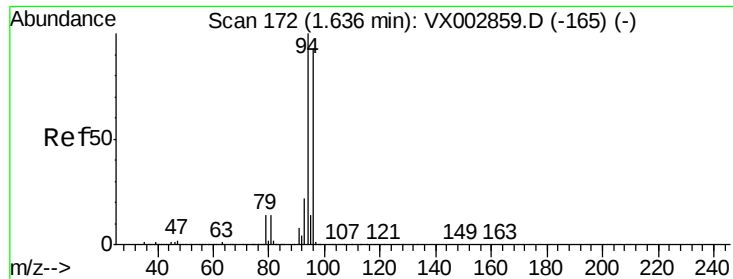
64 39.4 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.09 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 94 Resp: 29167

Ion Ratio Lower Upper

94 100

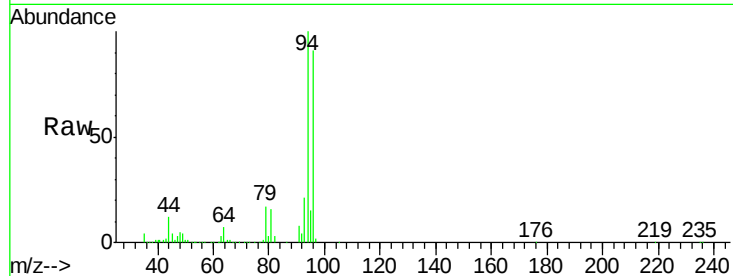
96 91.1 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

30000

25000

20000

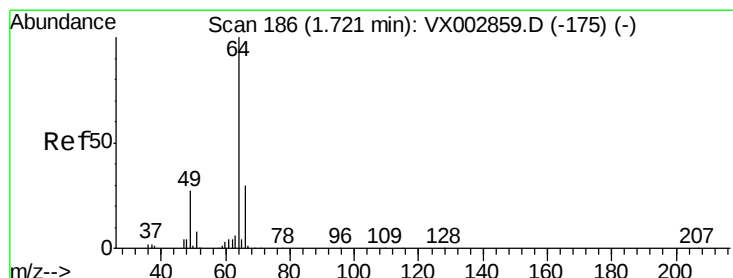
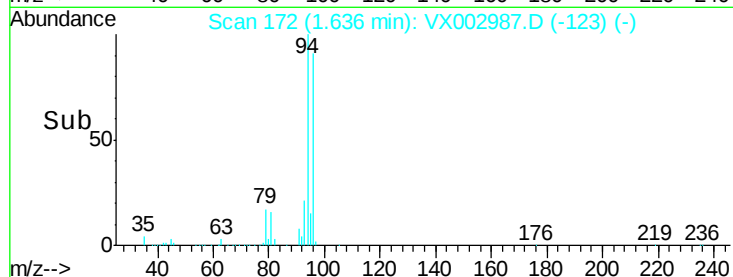
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 22.15 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002987.D

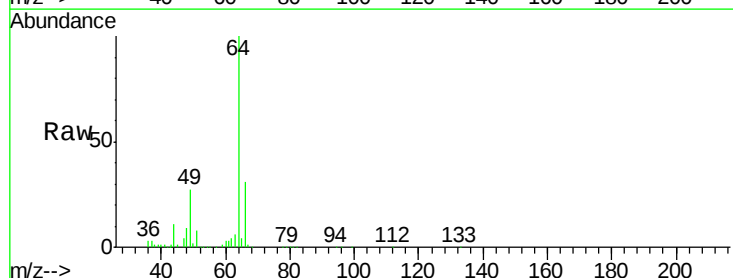
Acq: 28 Jun 2018 16:07

Tgt Ion: 64 Resp: 41166

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

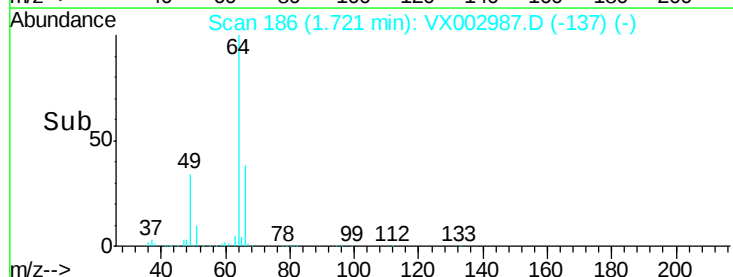
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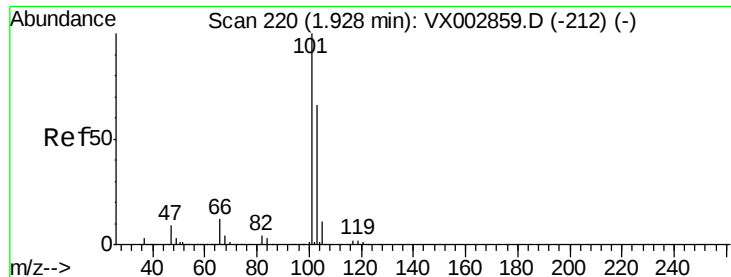
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10000

0

Time-->





#7

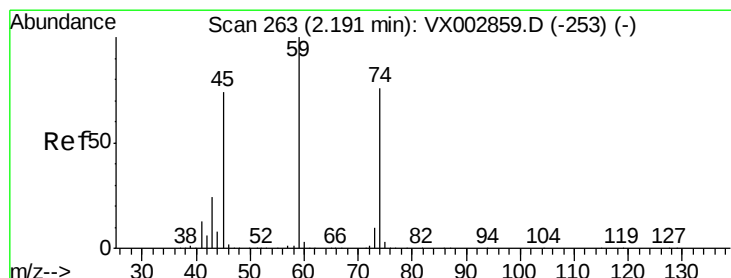
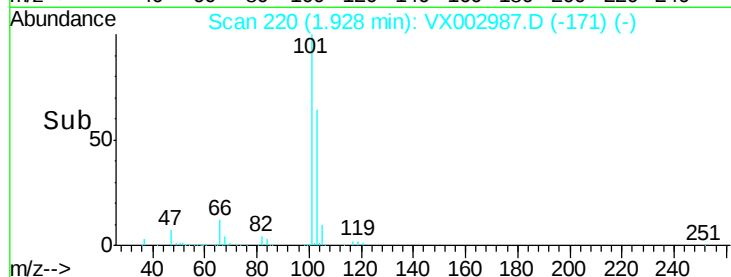
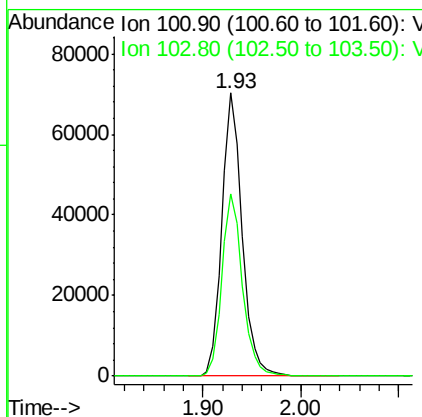
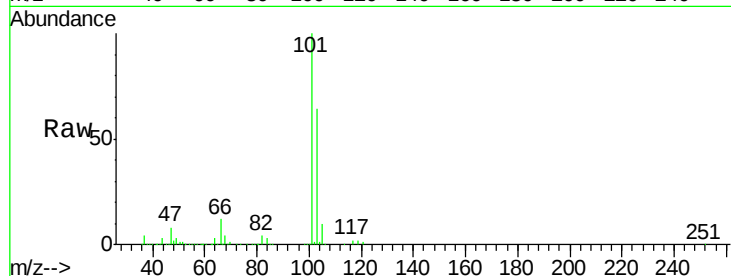
Trichlorofluoromethane
 Concen: 19.99 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Instrument :
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 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.8	79.2

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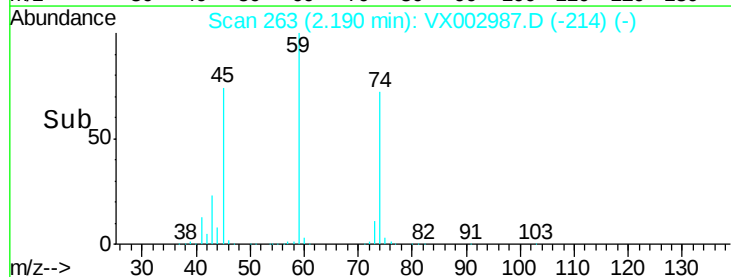
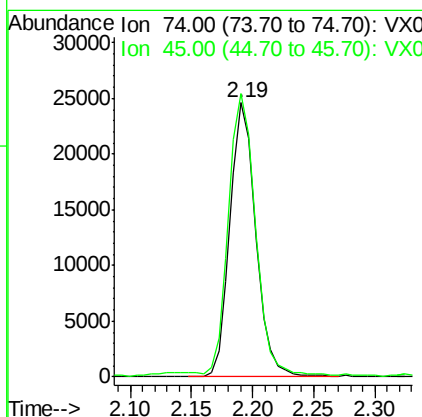
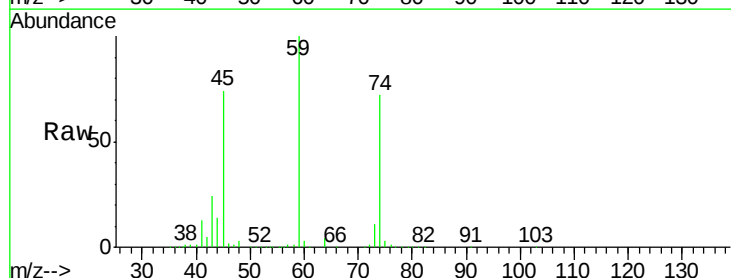
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#8

Diethyl Ether
 Concen: 19.50 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.56 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

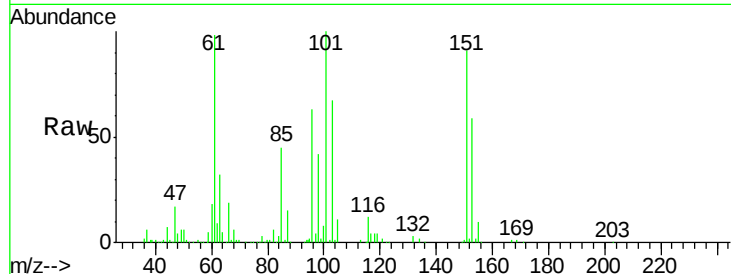
ClientSampleId :

VX0628WBSD01

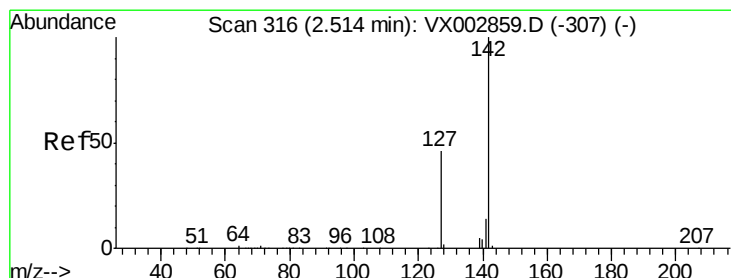
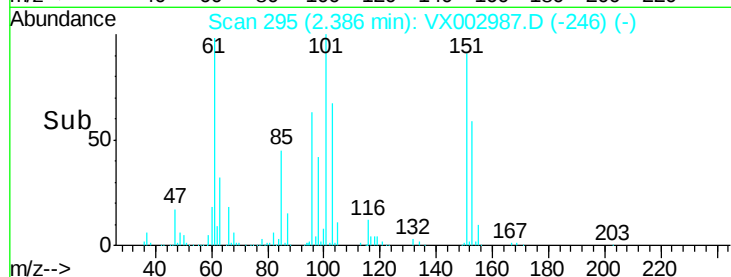
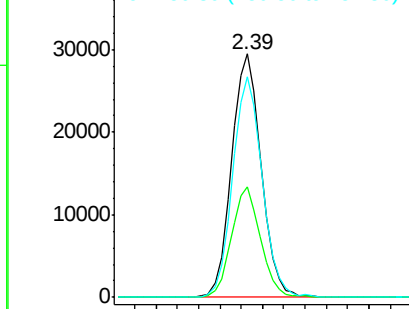
Tot Ion:	101	Resp:	57498
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.0	54.0
151	90.5	70.9	106.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.56 ug/l

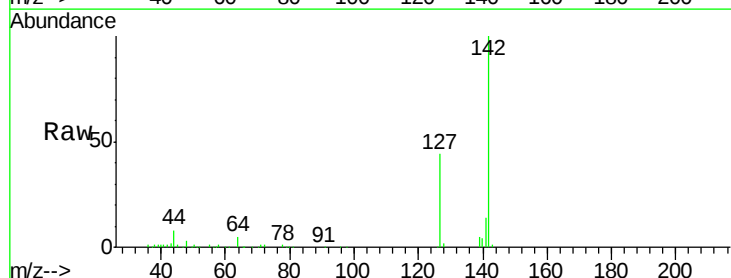
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

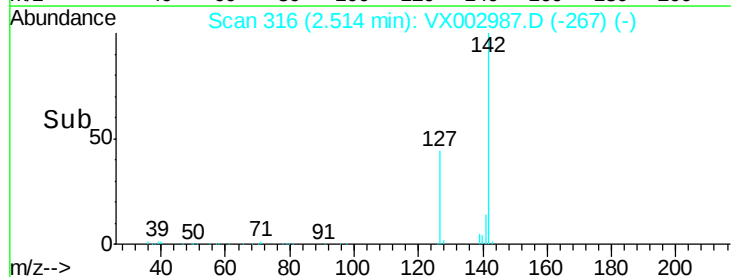
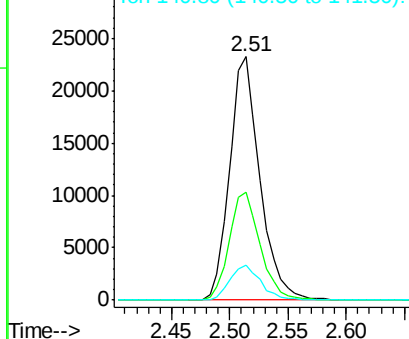
Lab File: VX002987.D

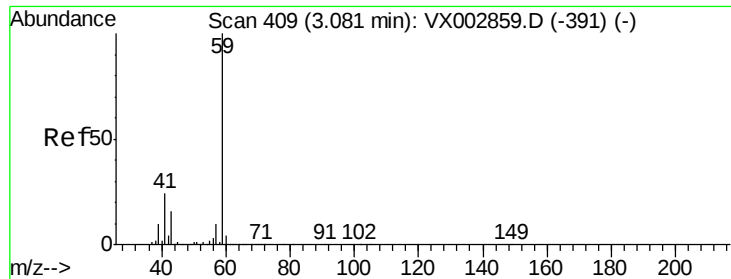
Acq: 28 Jun 2018 16:07

Tgt Ion:	142	Resp:	42012
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.6	55.0
141	14.8	11.3	16.9



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





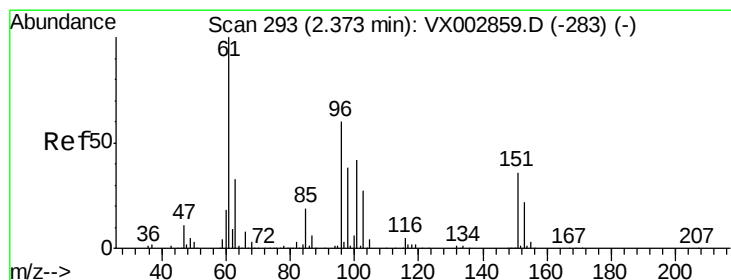
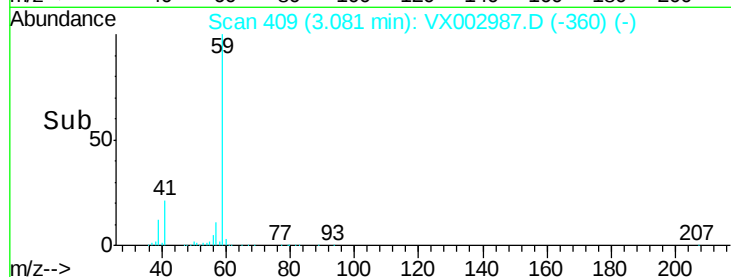
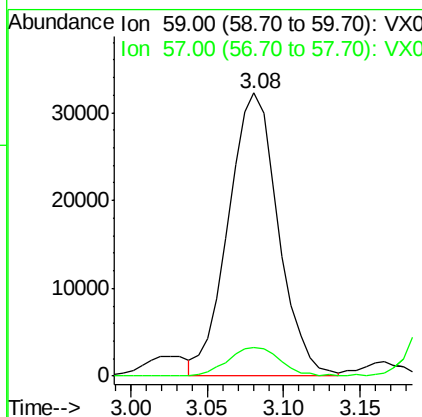
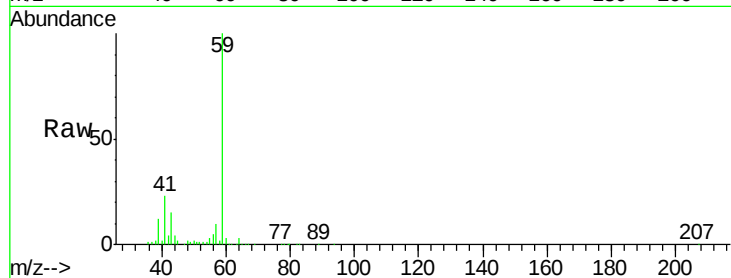
#11
Tert butyl alcohol
Concen: 99.38 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampled :
VX0628WBSD01

Tot Ion	59	Resp	72773
Ion Ratio	100	Lower	Upper
57	10.8	8.2	12.2

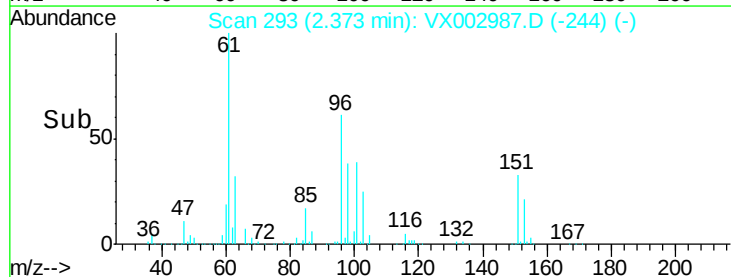
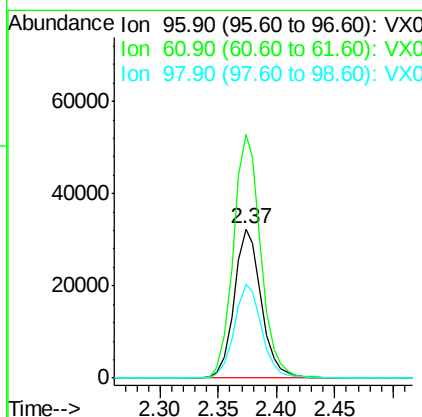
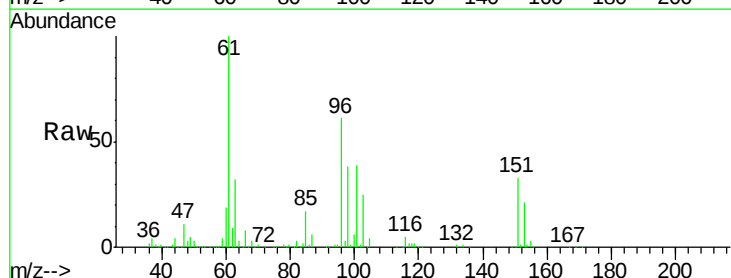
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 19.95 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	96	Resp	52335
Ion Ratio	100	Lower	Upper
61	163.3	137.9	206.9
98	62.7	51.6	77.4





#13

Acrolein

Concen: 107.88 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 56 Resp: 42805

Ion Ratio Lower Upper

56 100

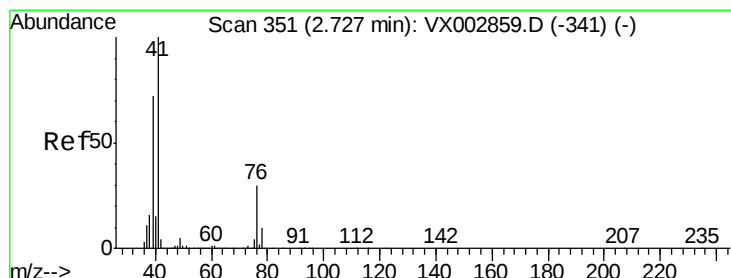
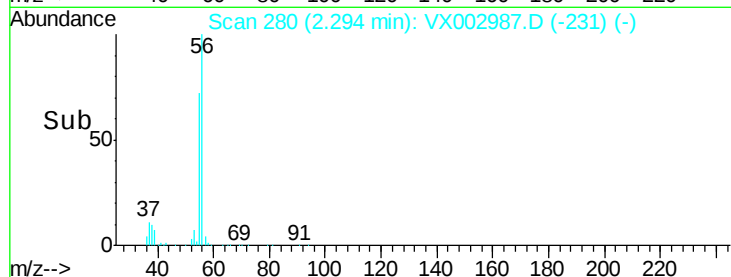
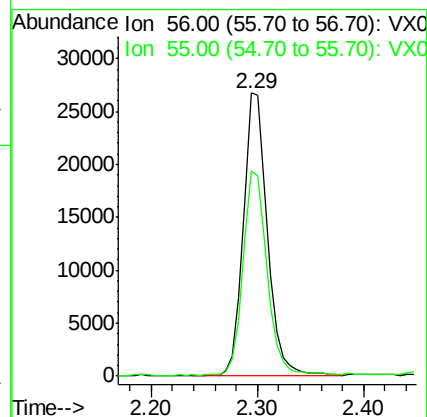
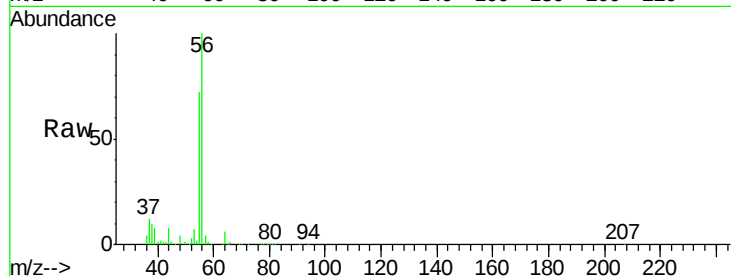
55 71.9 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.87 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

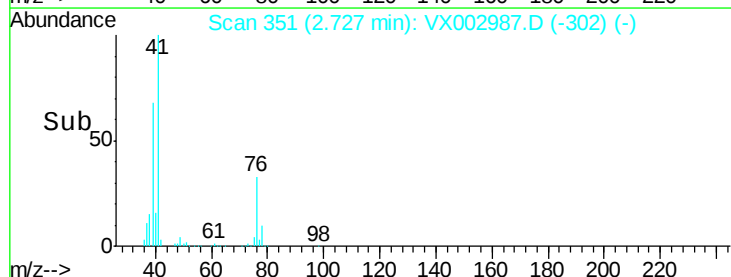
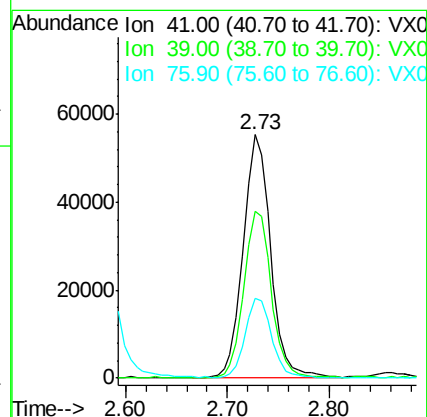
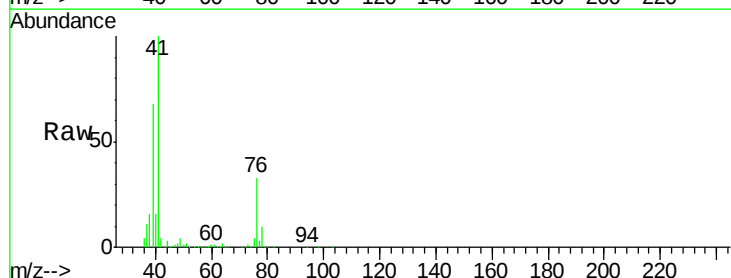
Tgt Ion: 41 Resp: 102733

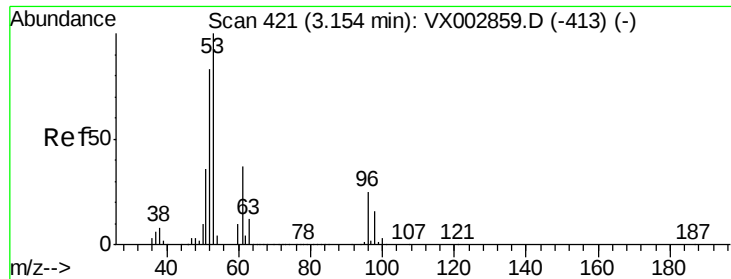
Ion Ratio Lower Upper

41 100

39 68.5 56.8 85.2

76 31.7 23.8 35.8





#15

Acrylonitrile

Concen: 101.86 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

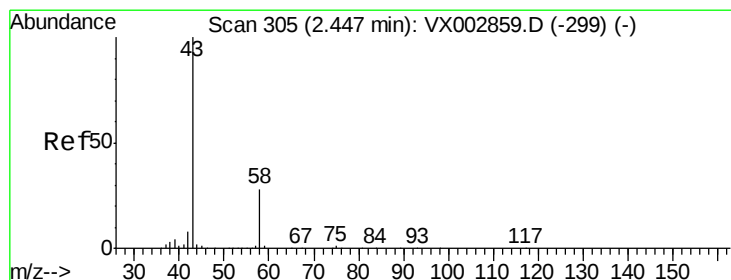
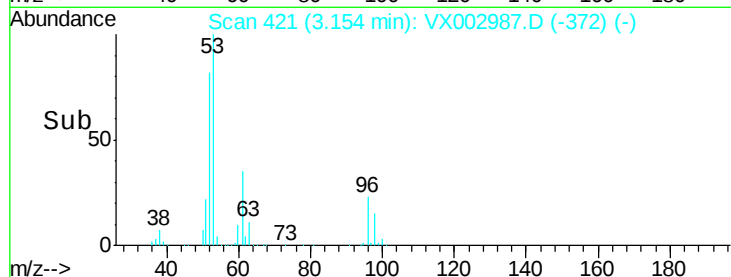
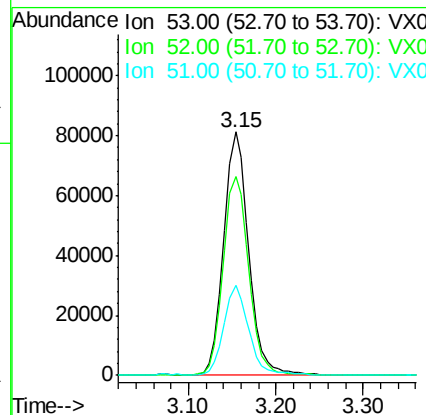
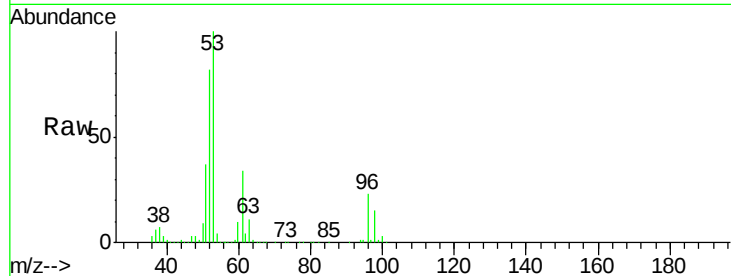
ClientSampleId :

VX0628WBSD01

Tot Ion:	53	Resp:	159315
Ion Ratio	Lower	Upper	
53	100		
52	84.4	66.7	100.1
51	37.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 107.04 ug/l

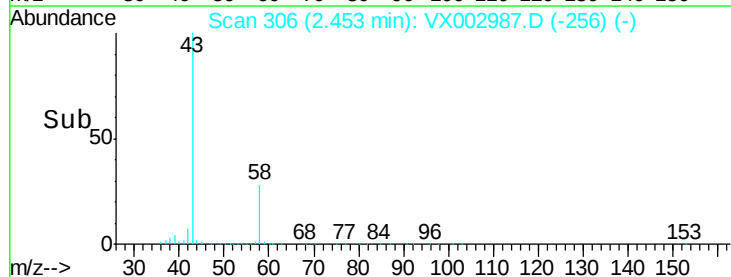
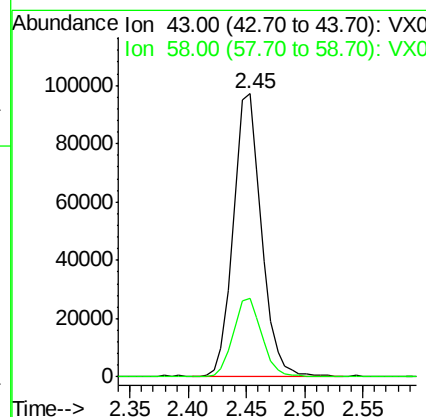
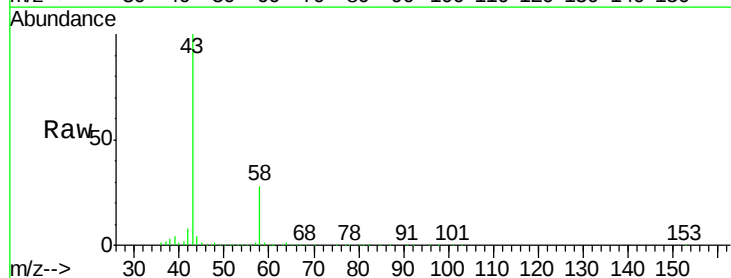
RT: 2.45 min Scan# 306

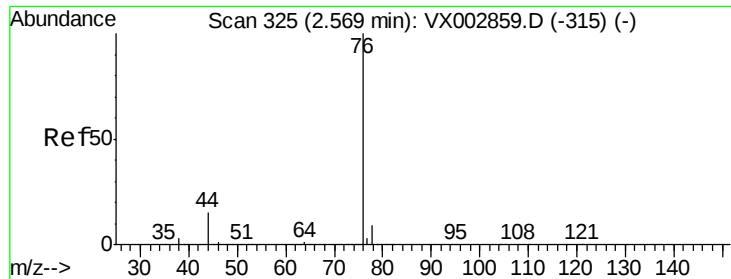
Delta R.T. 0.01 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Tgt Ion:	43	Resp:	162948
Ion Ratio	Lower	Upper	
43	100		
58	27.7	22.1	33.1





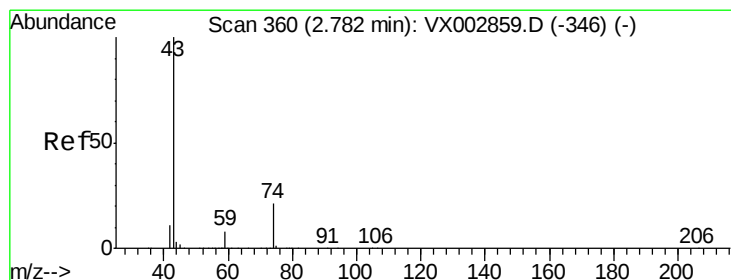
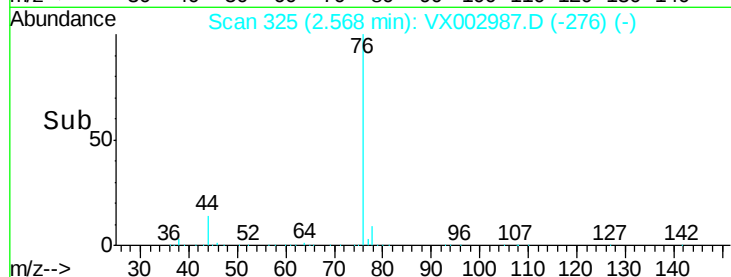
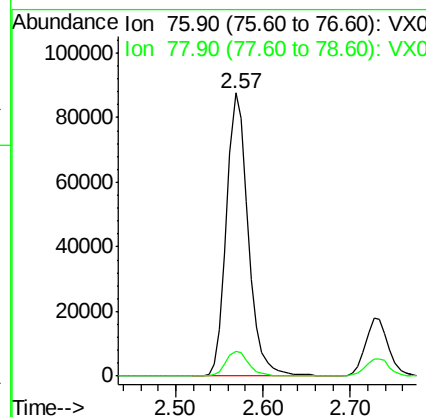
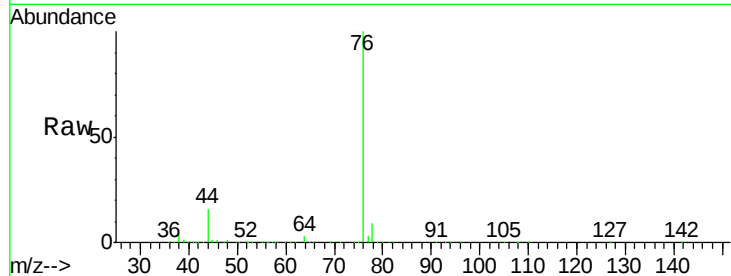
#17
Carbon Disulfide
Concen: 21.67 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.9	10.3

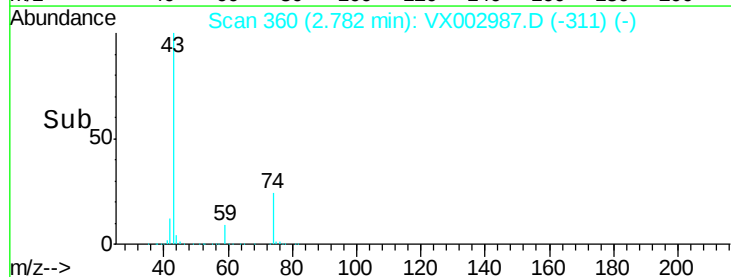
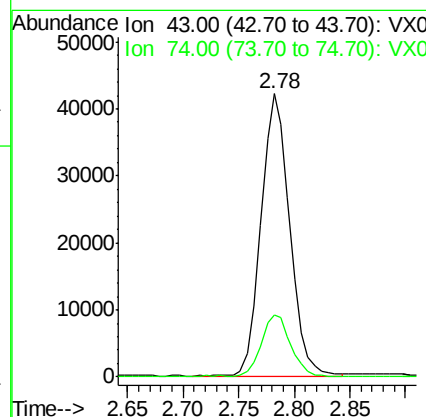
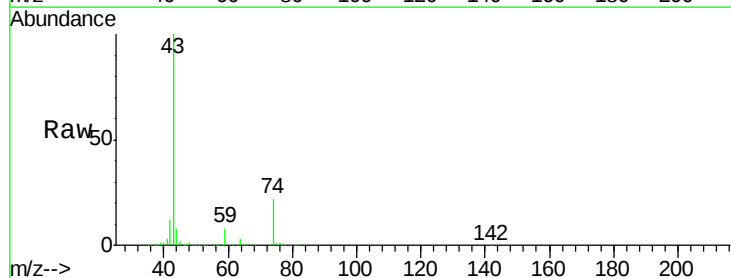
Manual Integrations
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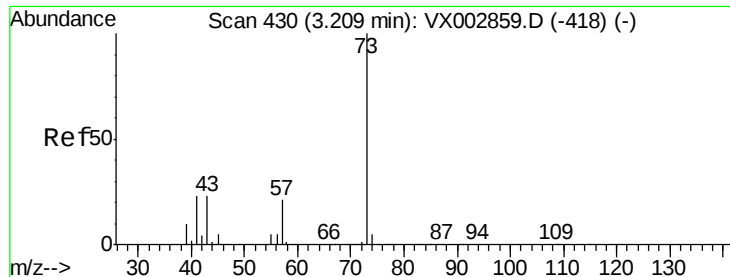
MMDadoda
6/29/2018 12:22:53 PM



#18
Methyl Acetate
Concen: 17.67 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	16.7	25.1





#19

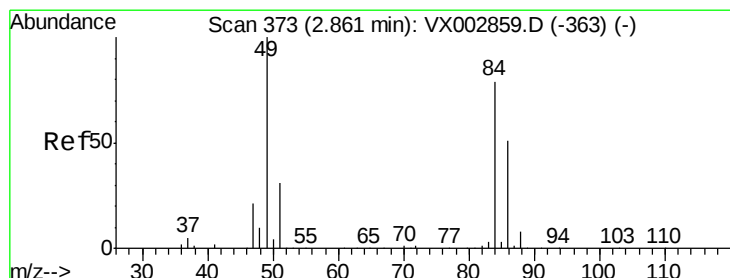
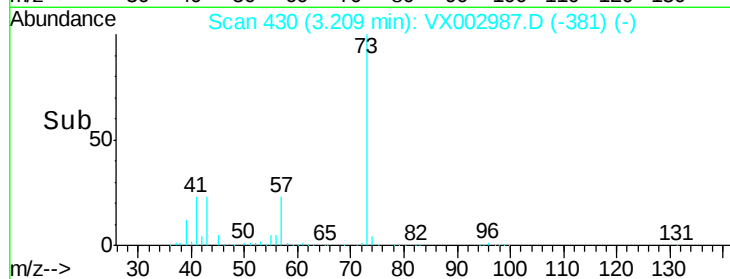
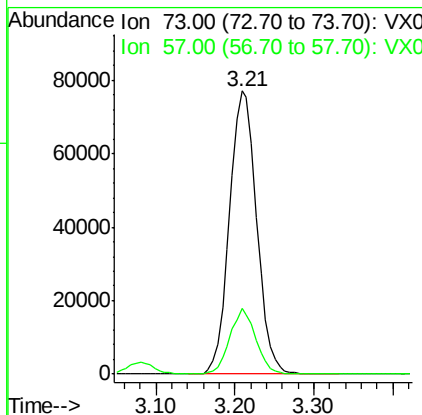
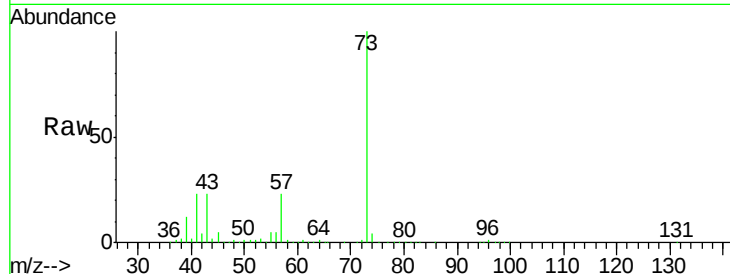
Methyl tert-butyl Ether
 Concen: 19.61 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.7	26.5

Manual Integrations
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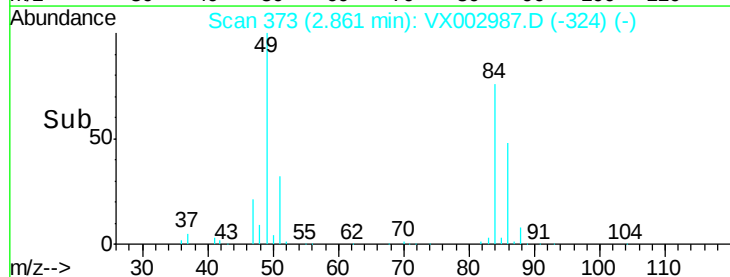
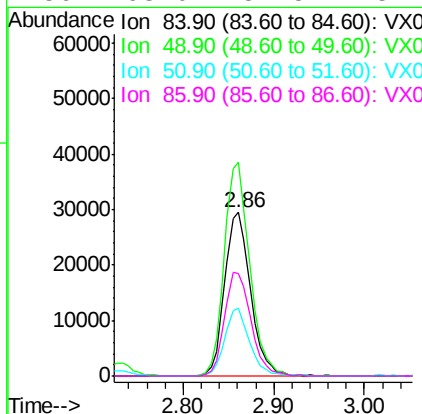
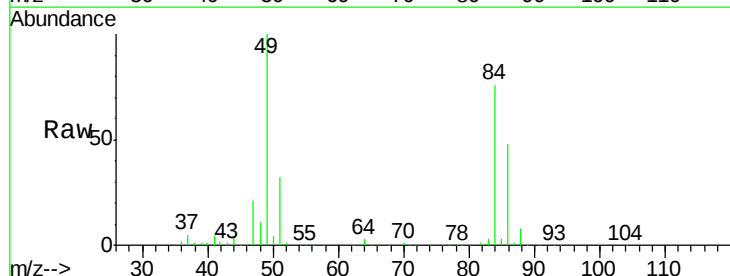
MMDadoda
 6/29/2018 12:22:53 PM

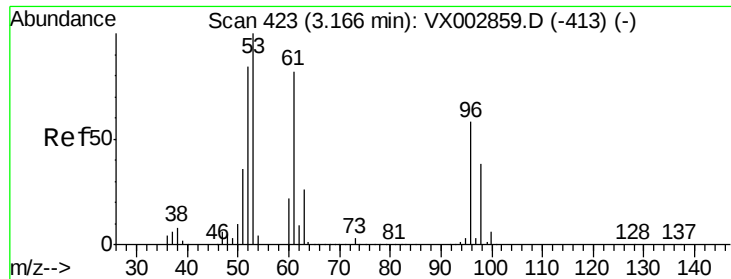


#20

Methylene Chloride
 Concen: 19.77 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.8	107.8	161.6
51	41.4	32.8	49.2
86	63.0	52.5	78.7





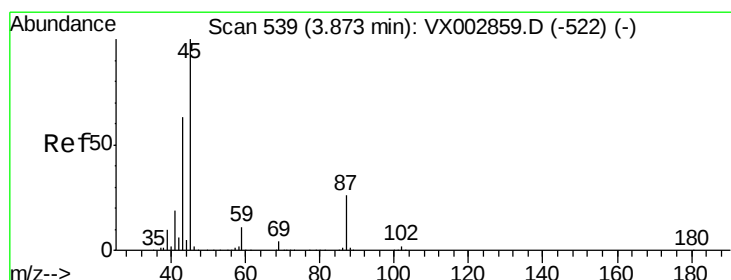
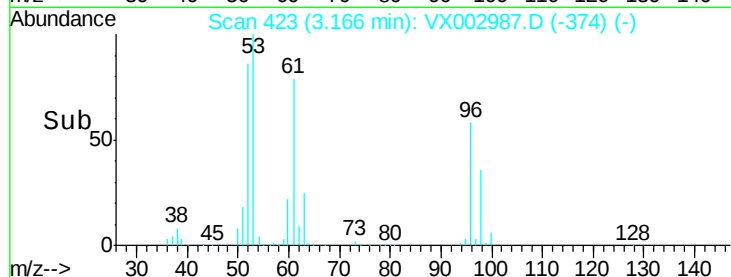
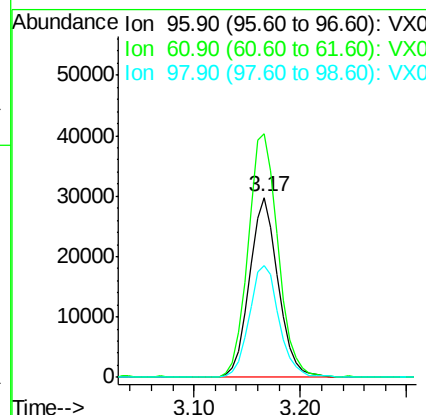
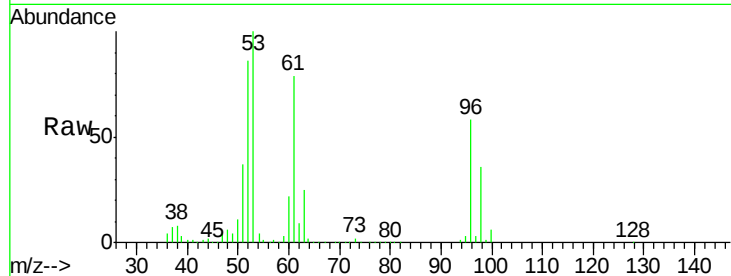
#21
trans-1,2-Dichloroethene
Concen: 19.74 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	117.0	175.4
98	62.0	52.4	78.6

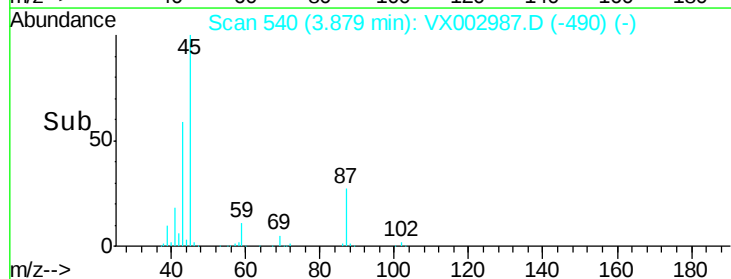
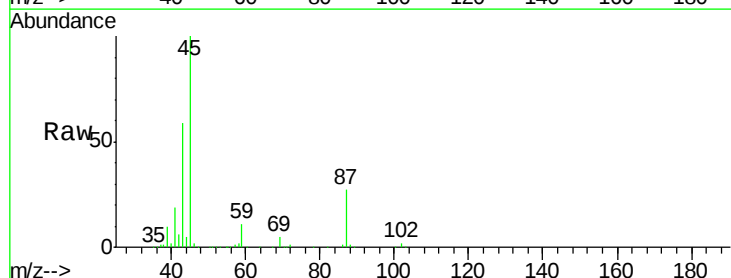
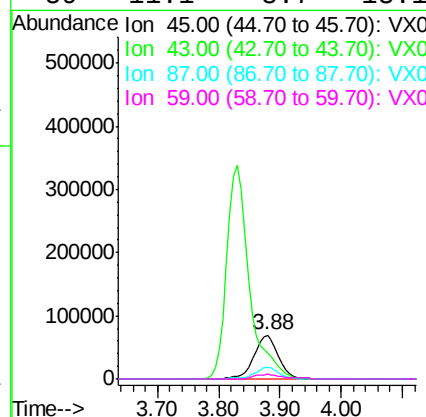
Manual Integrations
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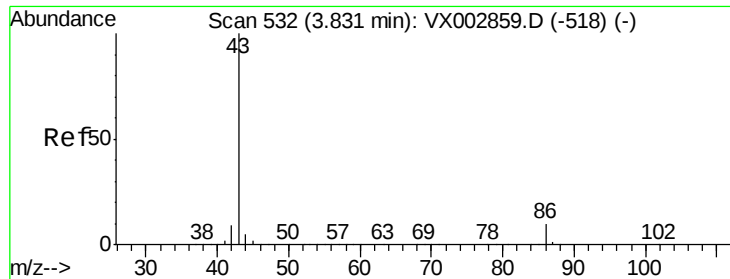
MMDadoda
6/29/2018 12:22:53 PM



#22
Diisopropyl ether
Concen: 19.74 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.01 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.0	46.8	70.2
87	26.7	20.2	30.4
59	11.1	8.7	13.1





#23

Vinyl Acetate

Concen: 103.81 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 43 Resp: 868707

Ion Ratio Lower Upper

43 100

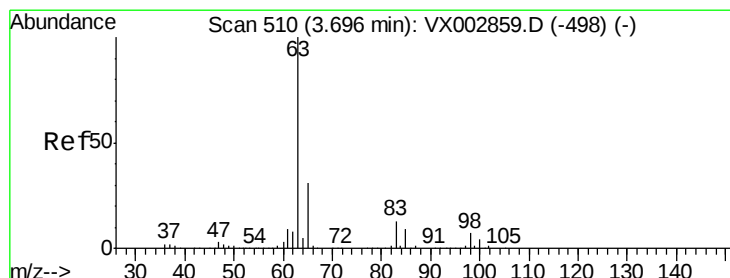
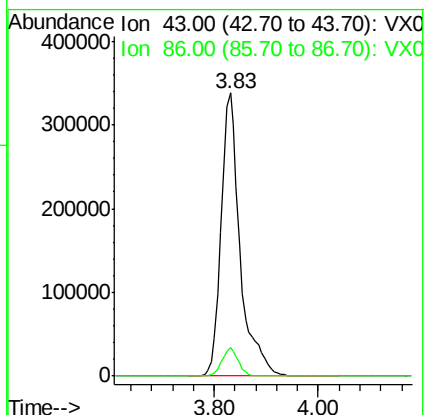
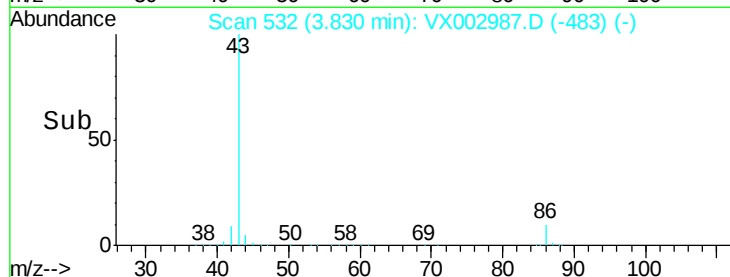
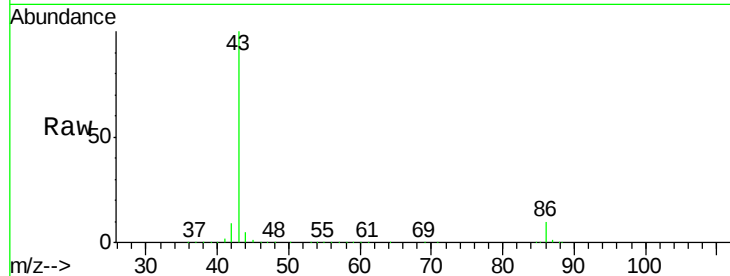
86 10.0 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.50 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

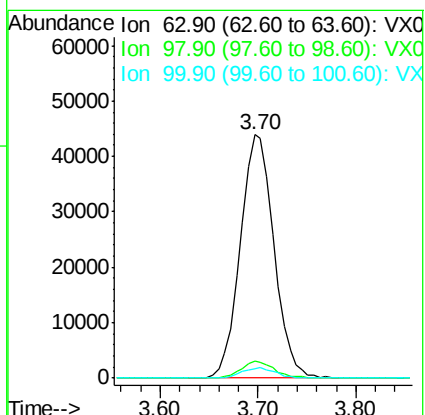
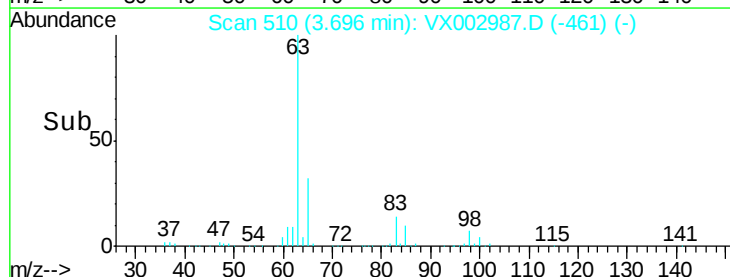
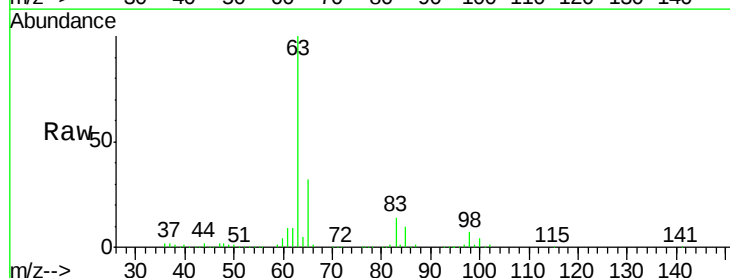
Tgt Ion: 63 Resp: 104745

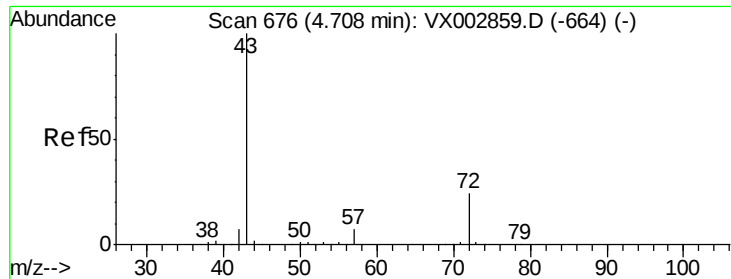
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 104.74 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 43 Resp: 236639

Ion Ratio Lower Upper

43 100

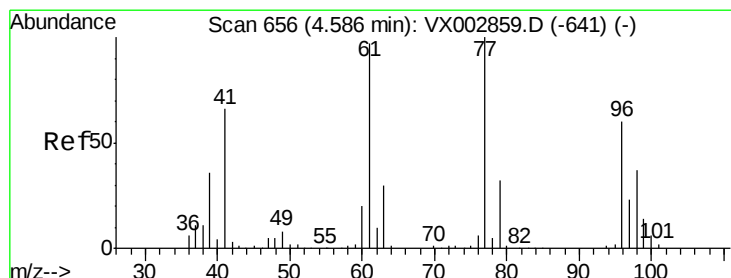
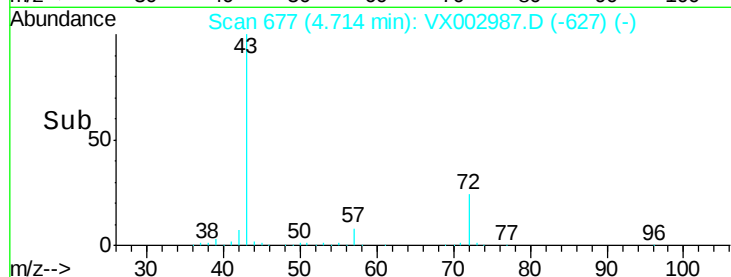
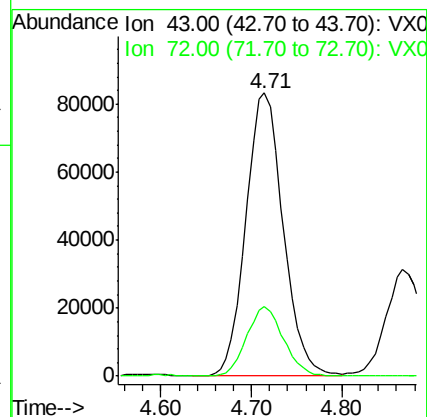
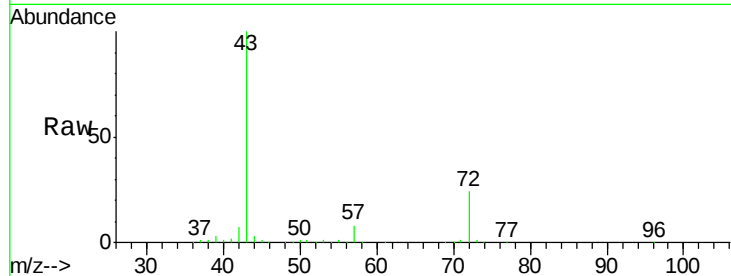
72 24.4 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.23 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002987.D

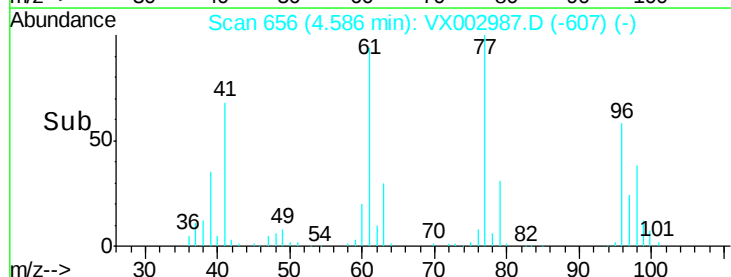
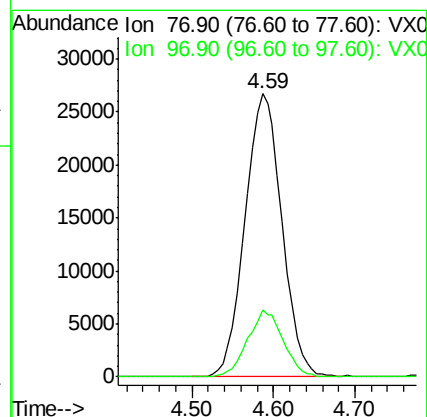
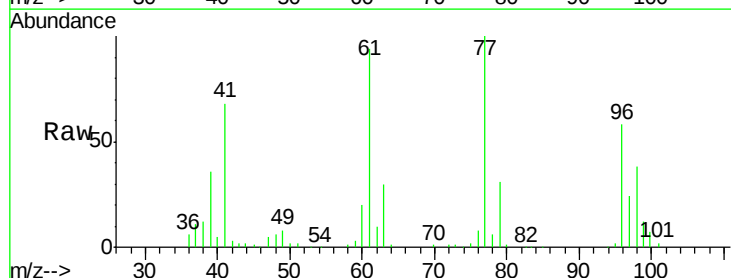
Acq: 28 Jun 2018 16:07

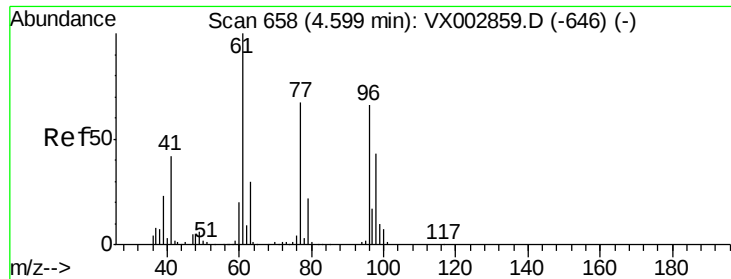
Tgt Ion: 77 Resp: 84013

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.5





#27

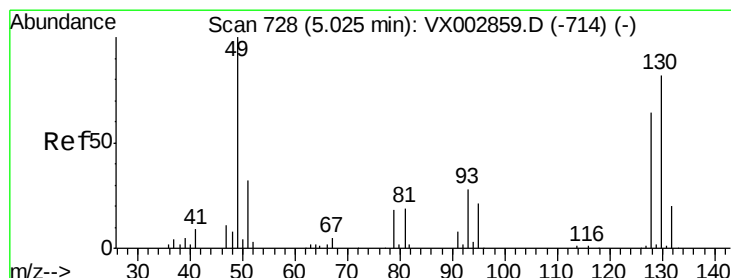
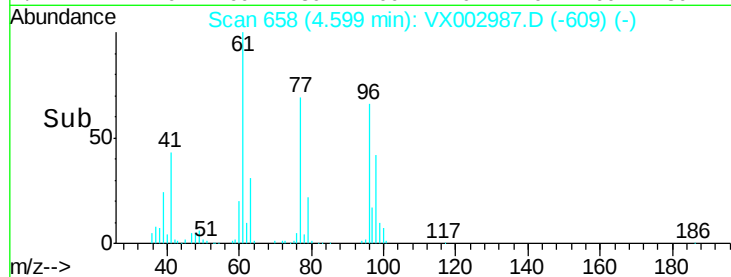
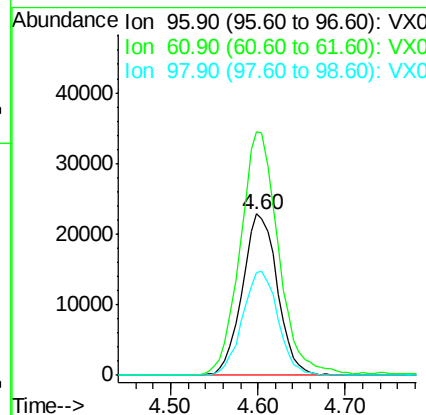
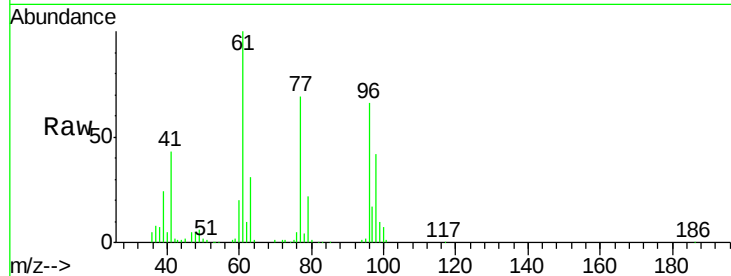
cis-1,2-Dichloroethene
Concen: 19.92 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.8	0.0	330.2
98	65.0	0.0	130.2

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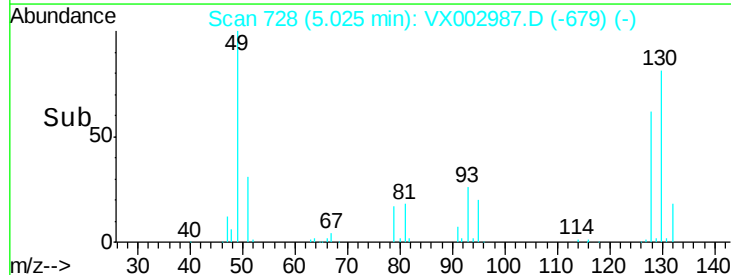
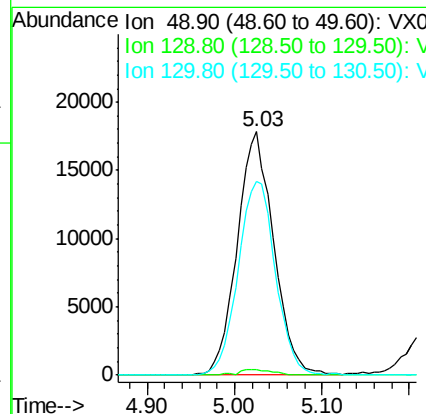
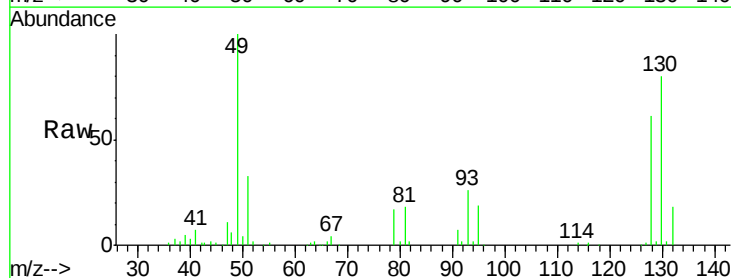
MMDadoda
6/29/2018 12:22:53 PM

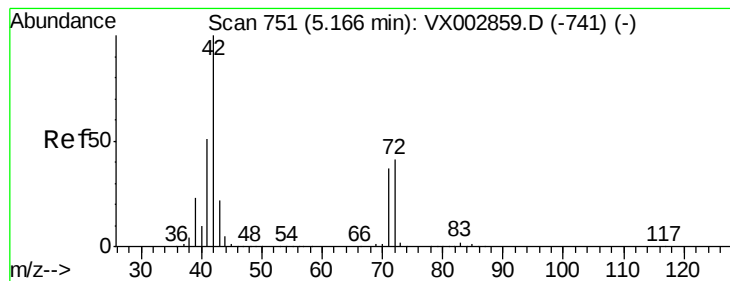


#28

Bromochloromethane
Concen: 20.15 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	81.1	61.2	91.8





#29

Tetrahydrofuran

Concen: 101.73 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

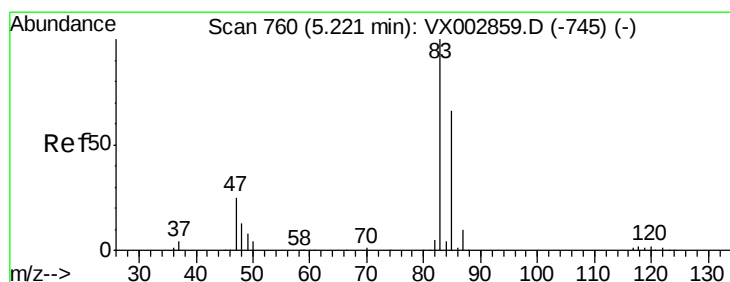
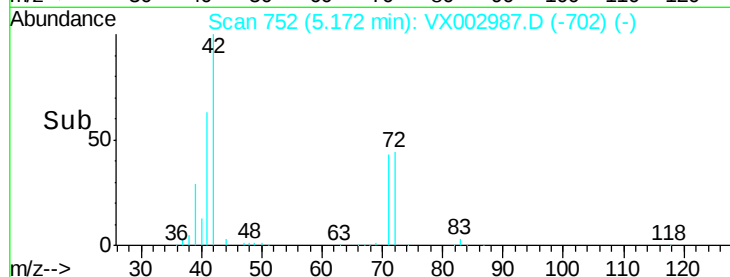
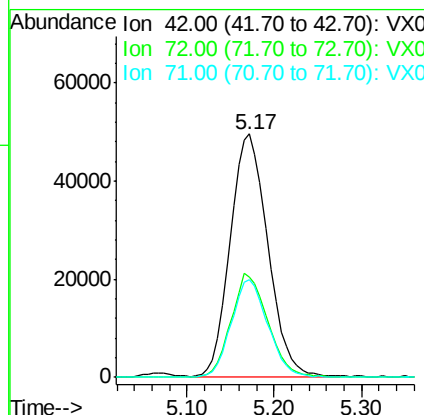
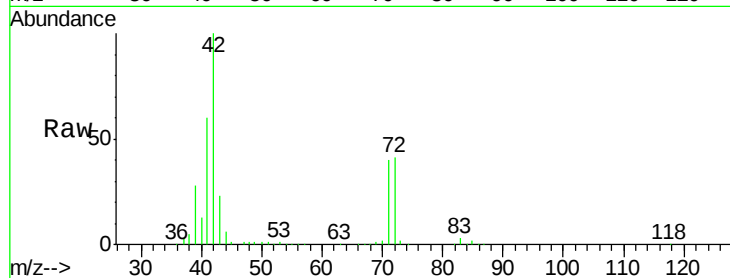
ClientSampleId :

VX0628WBSD01

Tot Ion:	42	Resp:	147385
Ion Ratio	Lower	Upper	
42	100		
72	42.3	32.0	48.0
71	39.6	30.1	45.1

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#30

Chloroform

Concen: 19.99 ug/l

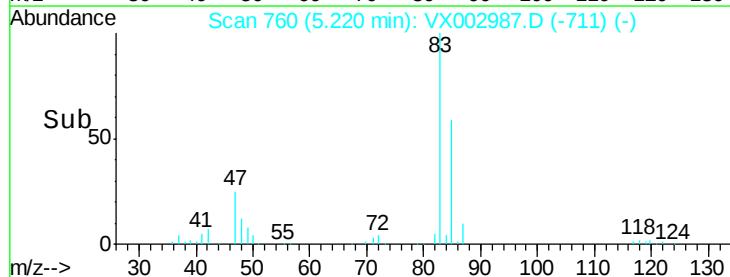
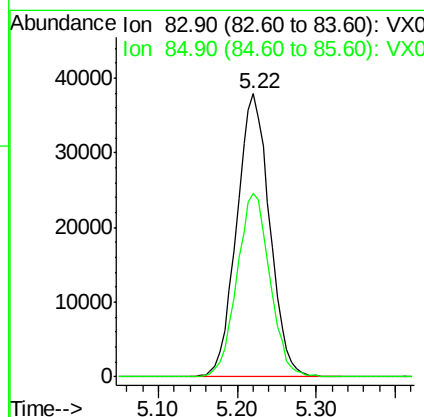
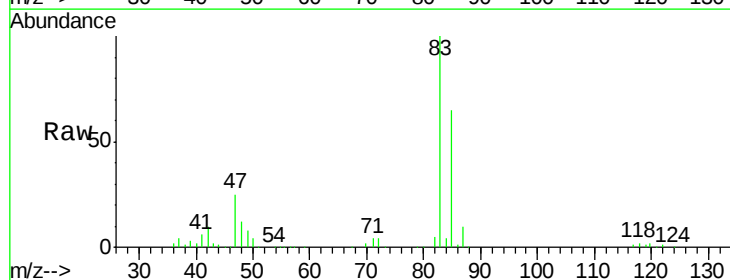
RT: 5.22 min Scan# 760

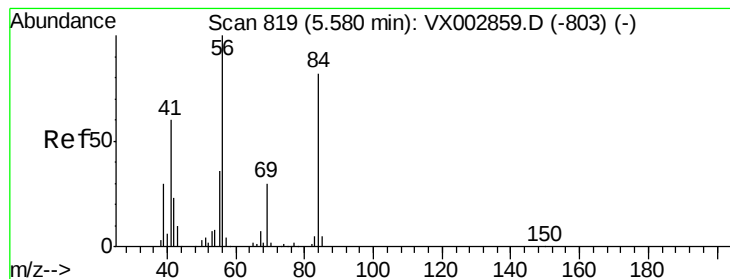
Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Tgt Ion:	83	Resp:	110219
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.4	75.6





#31

Cyclohexane

Concen: 19.96 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

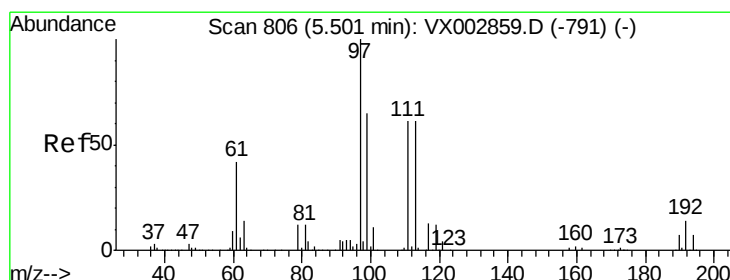
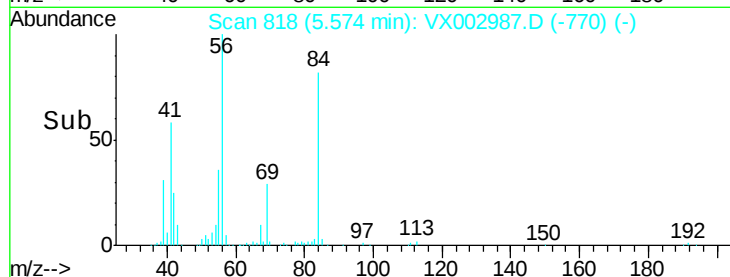
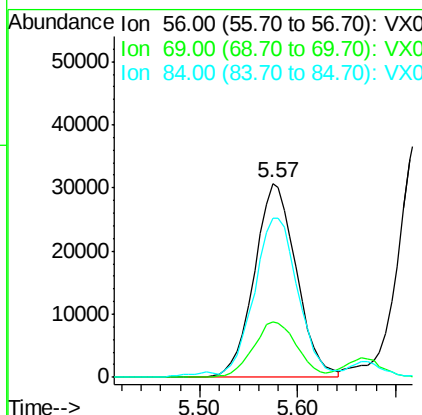
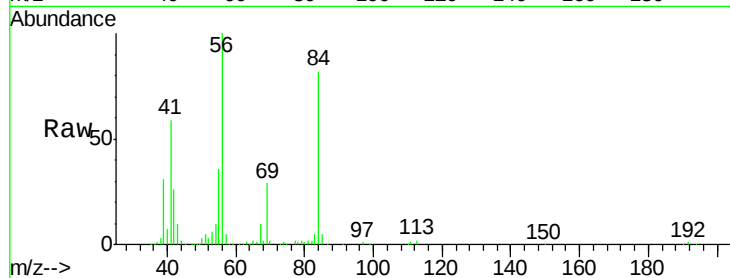
ClientSampleId :

VX0628WBSD01

Tot Ion:	56	Resp:	91999
Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.7	35.5
84	80.5	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 19.88 ug/l

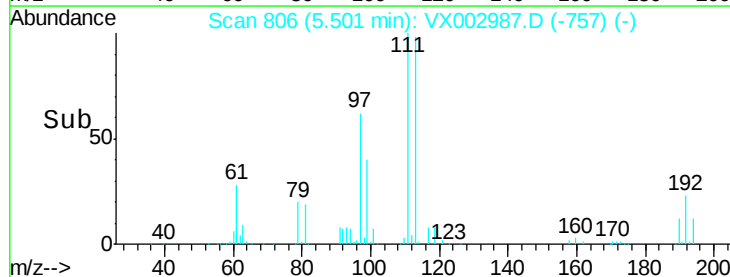
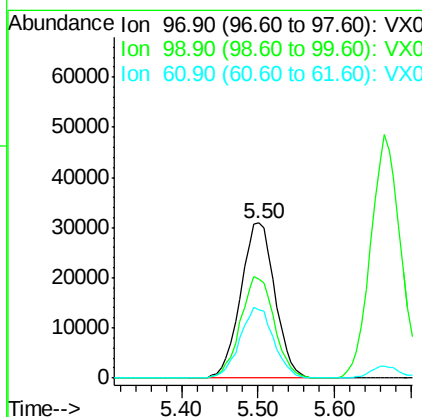
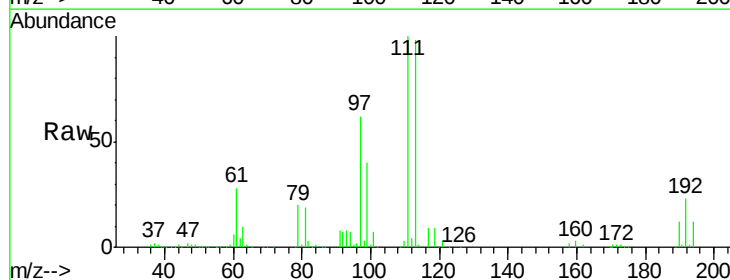
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Tgt Ion:	97	Resp:	96443
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	45.2	36.4	54.6





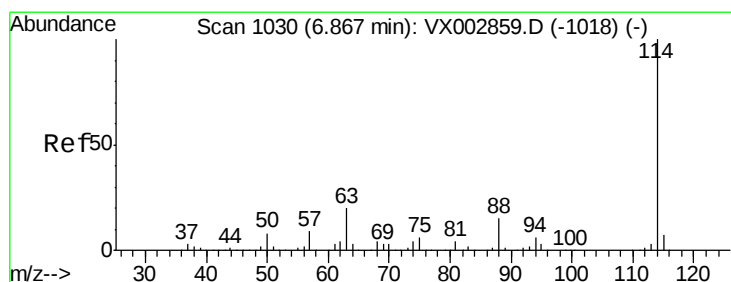
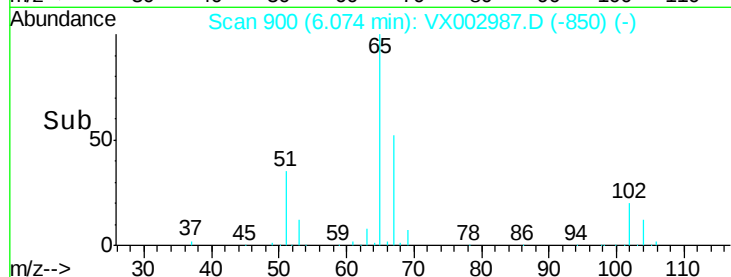
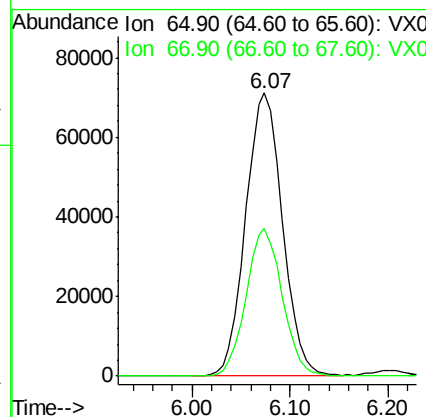
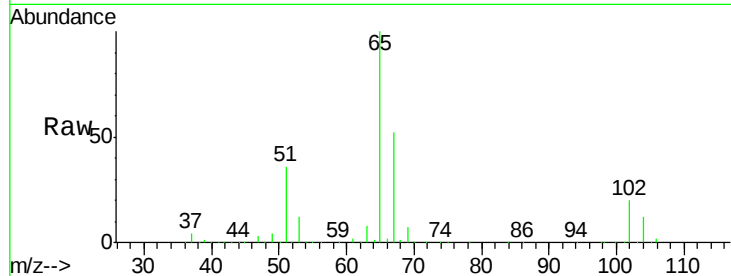
#33
 1,2-Dichloroethane-d4
 Concen: 50.50 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185630		
67	51.3	0.0	102.6	

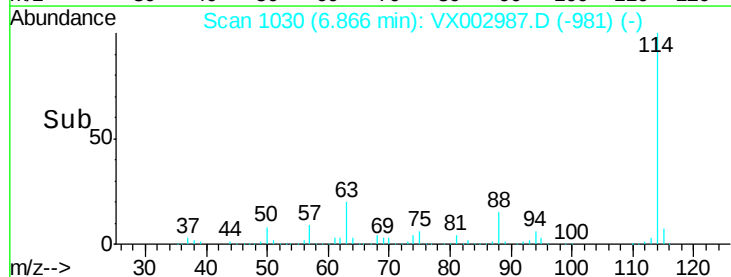
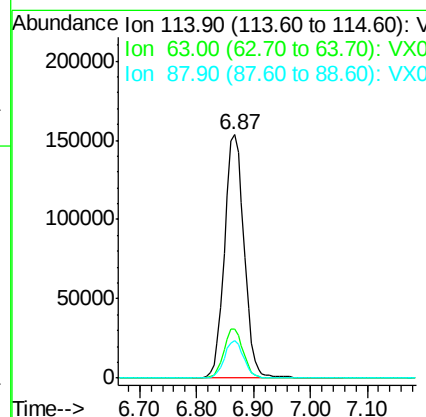
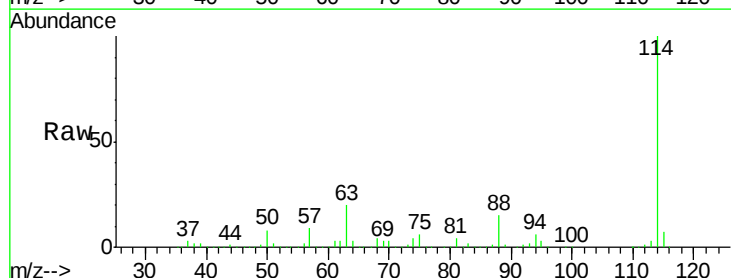
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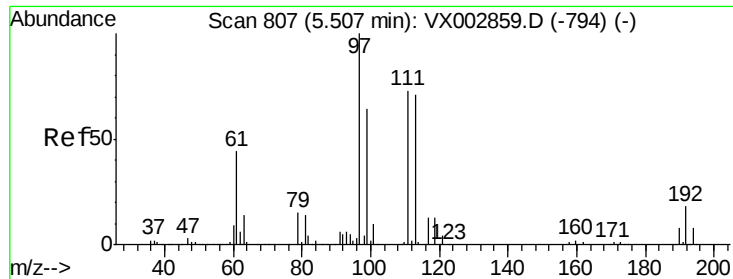
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	367306		
63	20.2	0.0	41.4	
88	15.4	0.0	30.0	





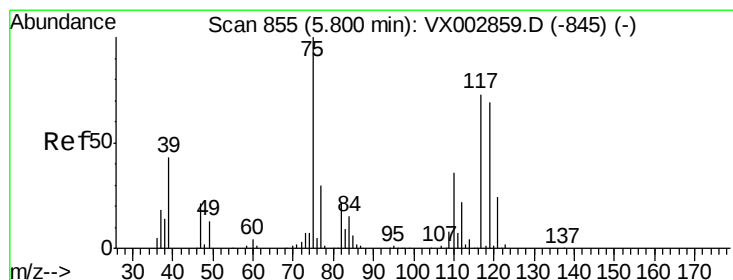
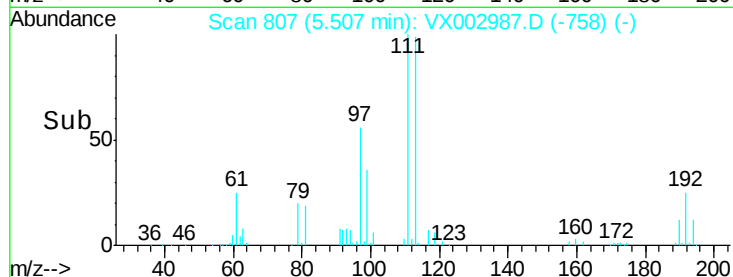
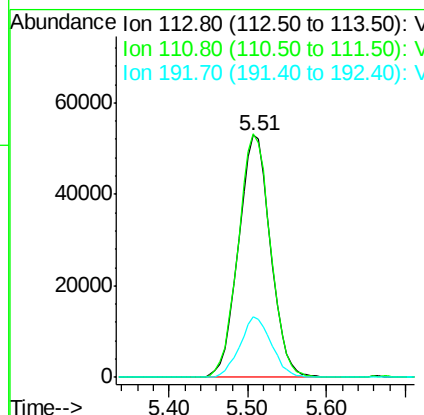
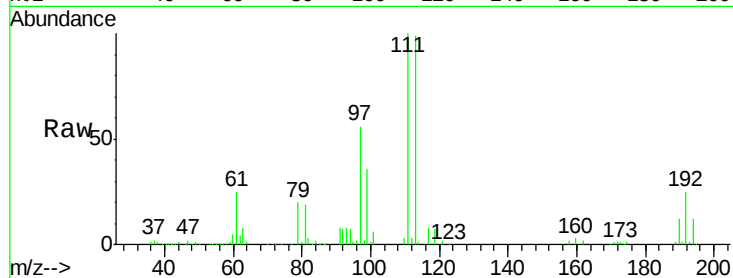
#35
Dibromofluoromethane
Concen: 51.42 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149564		
111	101.2	81.4	122.0	
192	24.7	19.1	28.7	

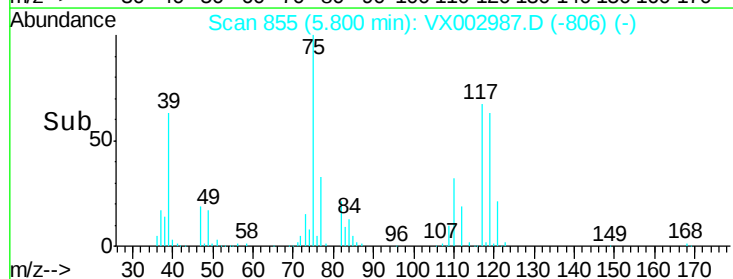
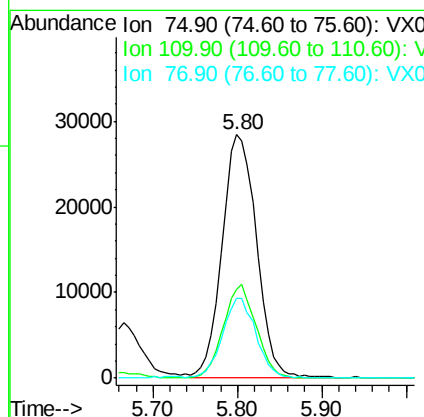
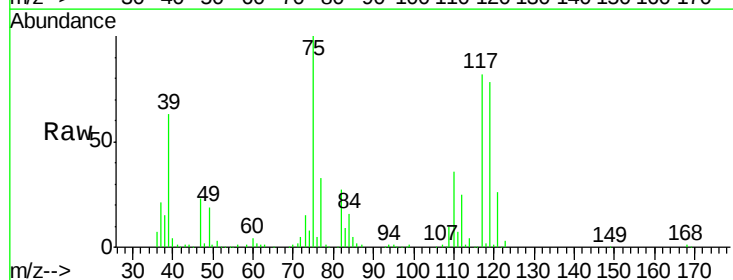
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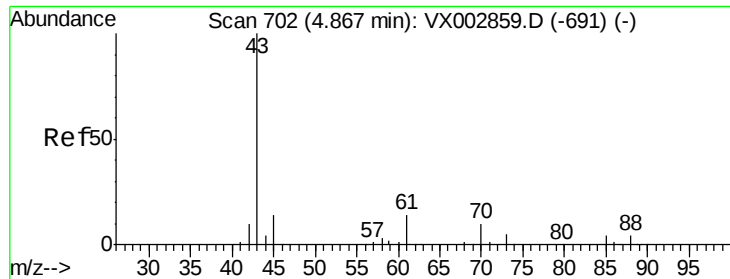
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.42 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78231		
110	37.3	18.1	54.4	
77	32.4	24.3	36.5	





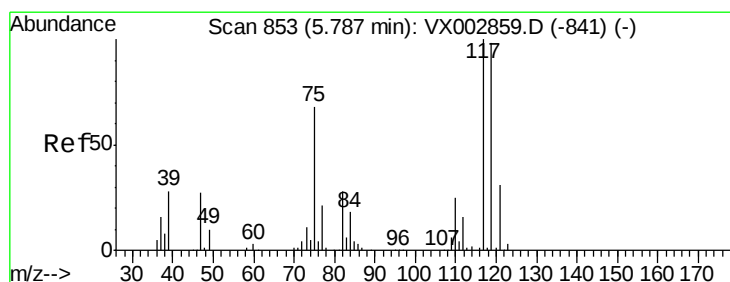
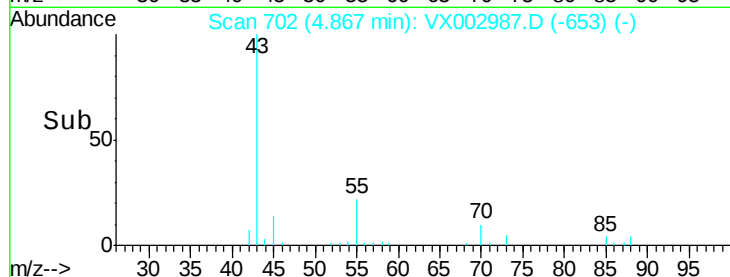
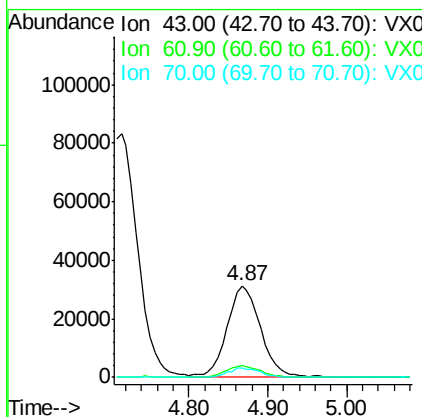
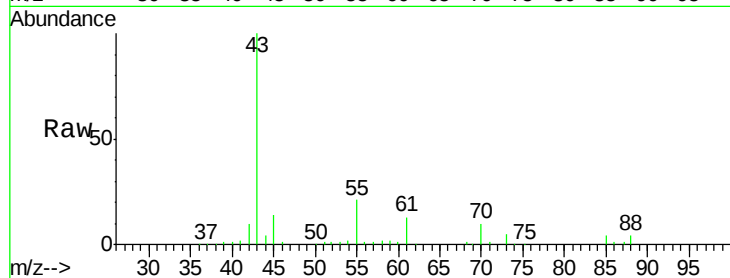
#37
Ethyl Acetate
Concen: 21.01 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	10.1	7.6	11.4

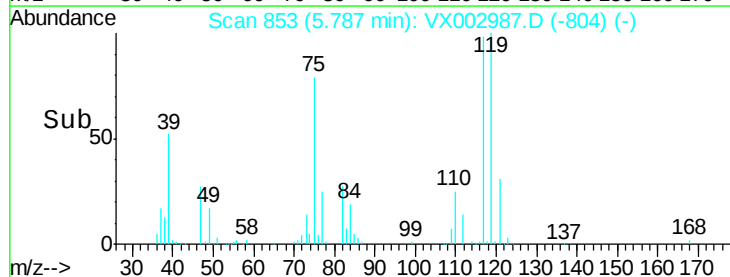
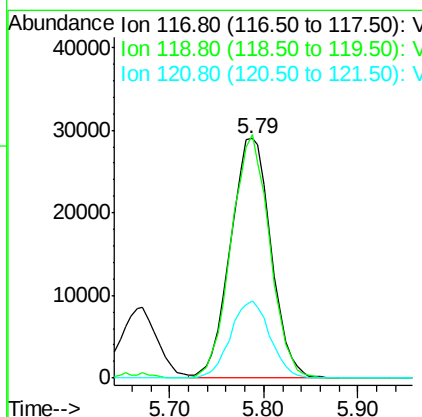
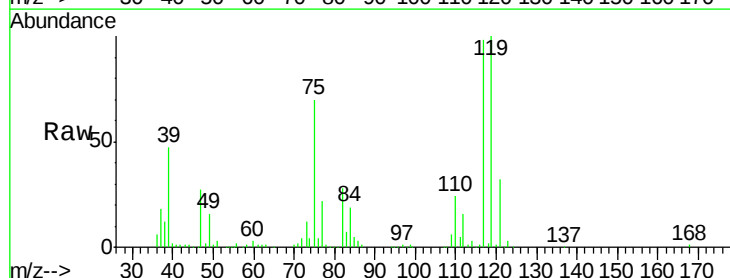
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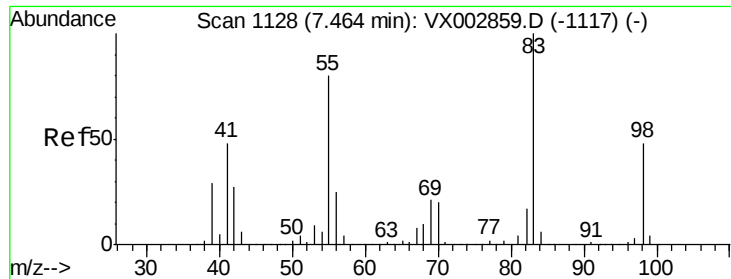
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#38
Carbon Tetrachloride
Concen: 19.76 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.5	77.4	116.0
121	32.2	24.4	36.6





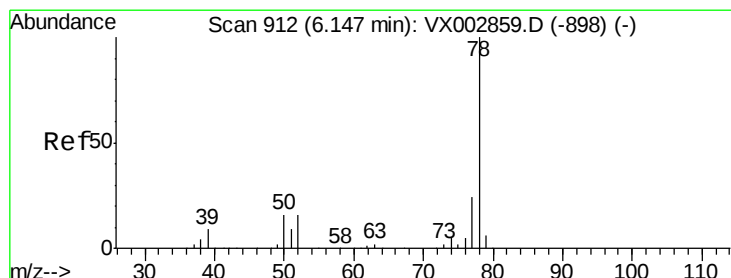
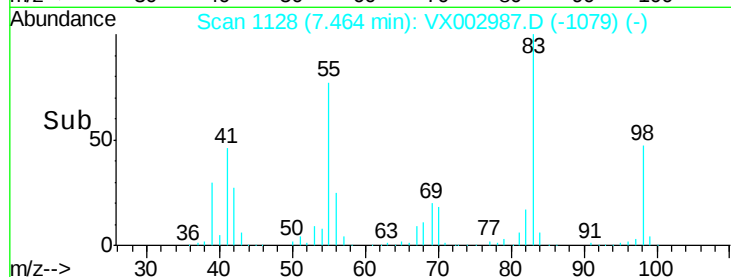
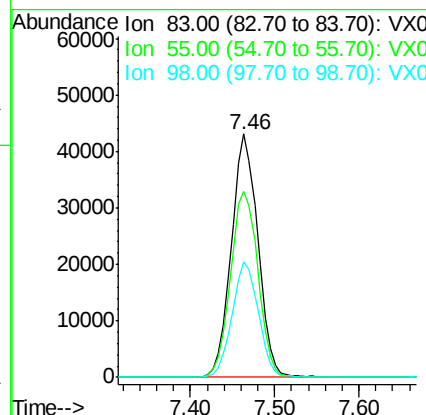
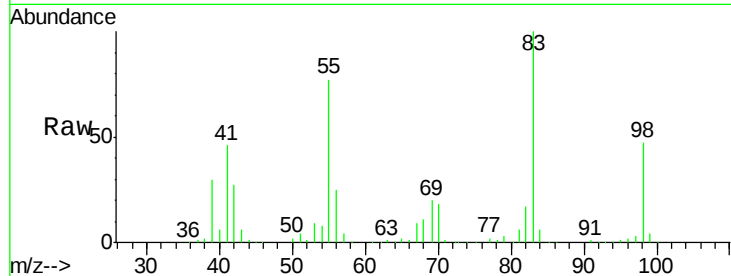
#39
Methylvlcyclohexane
Concen: 19.53 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	65.4	98.0
98	47.3	37.4	56.0

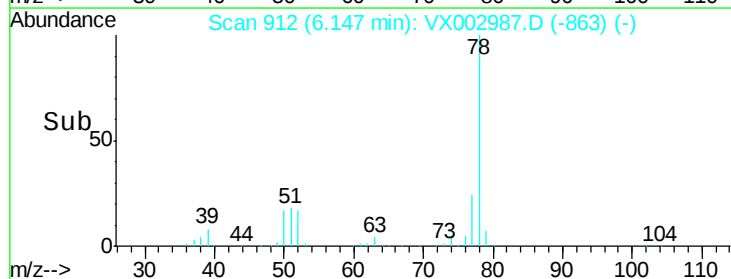
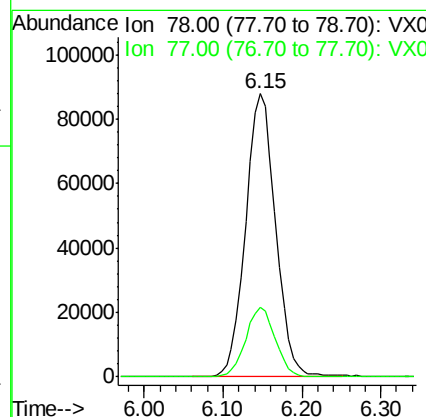
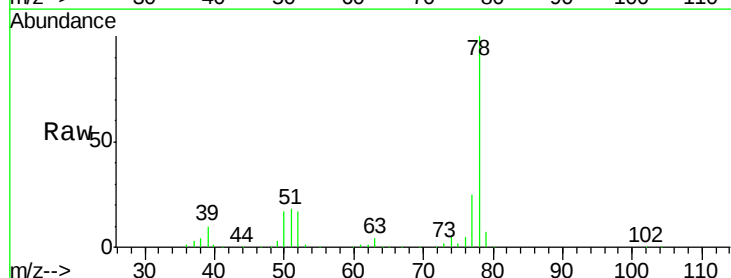
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#40
Benzene
Concen: 19.86 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





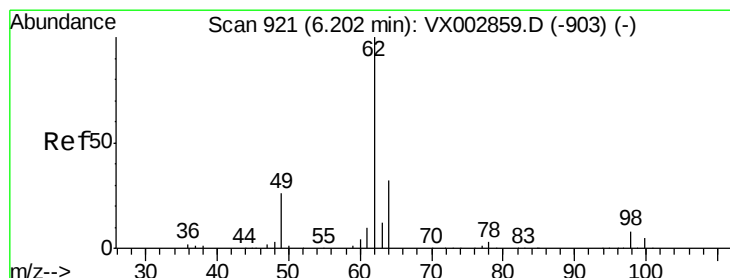
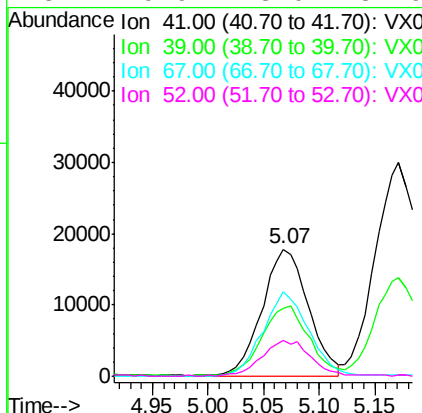
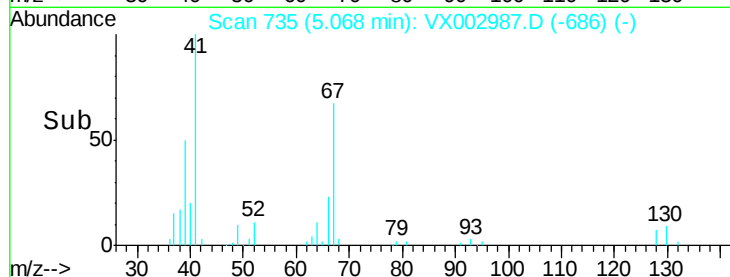
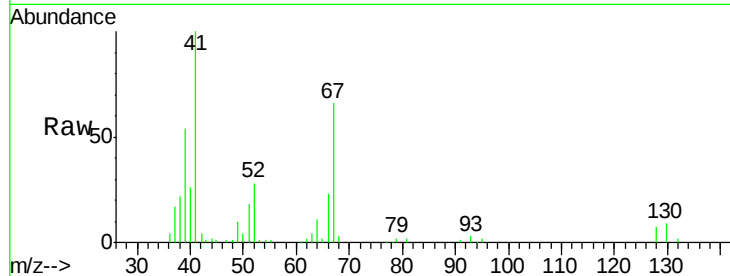
#41
Methacrylonitrile
Concen: 20.56 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion:	41	Resp:	51344
Ion	Ratio	Lower	Upper
41	100		
39	56.2	45.8	68.6
67	66.1	51.3	76.9
52	29.9	23.0	34.6

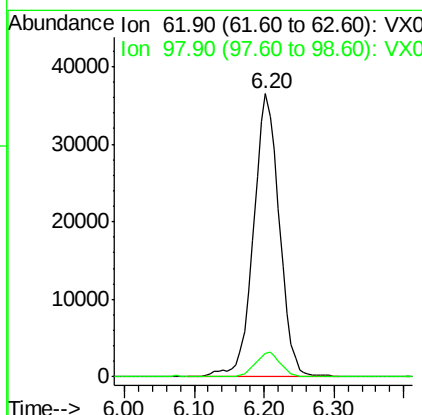
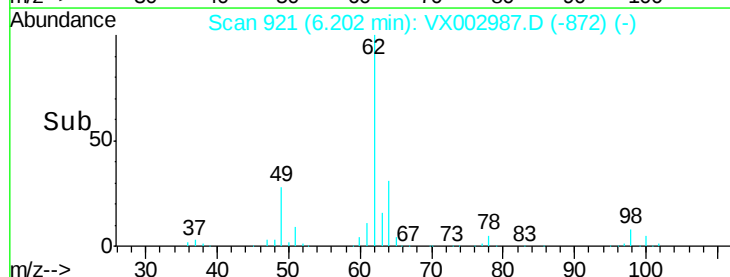
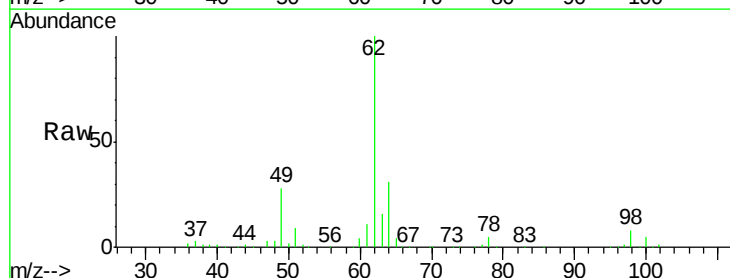
Manual Integrations
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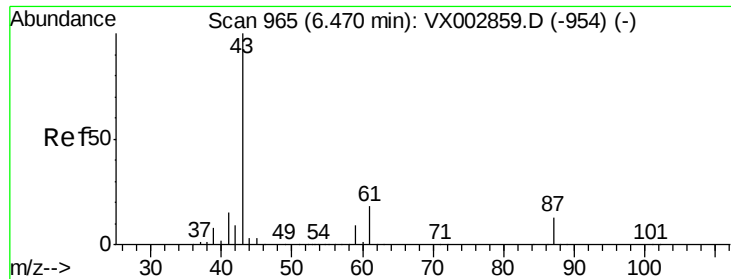
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#42
1,2-Dichloroethane
Concen: 19.64 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion:	62	Resp:	92843
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 19.62 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

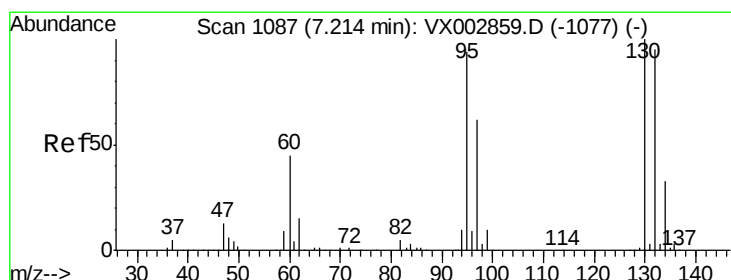
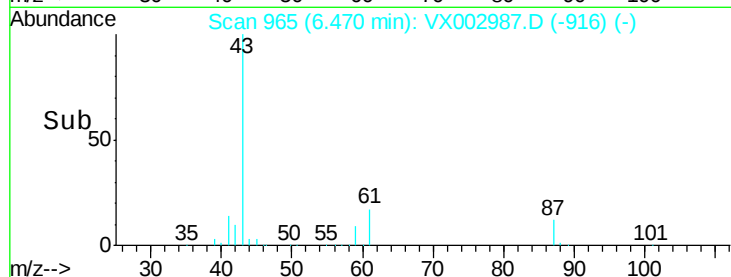
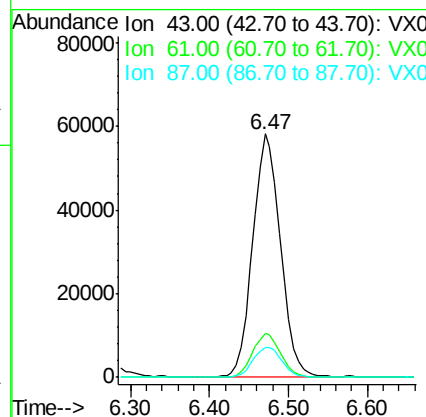
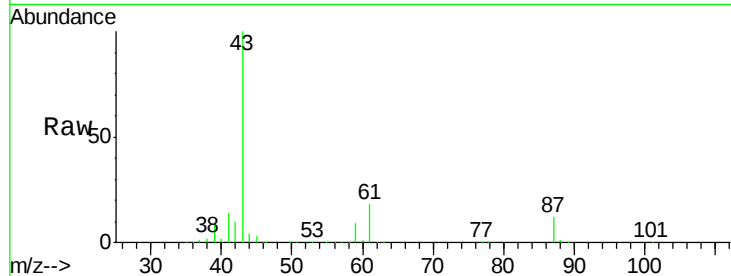
ClientSampleId :

VX0628WBSD01

Tot Ion:	43	Resp:	142715
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.4	21.6
87	12.9	9.5	14.3

Manual Integrations
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6/29/2018 12:22:53 PM



#44

Trichloroethene

Concen: 19.53 ug/l

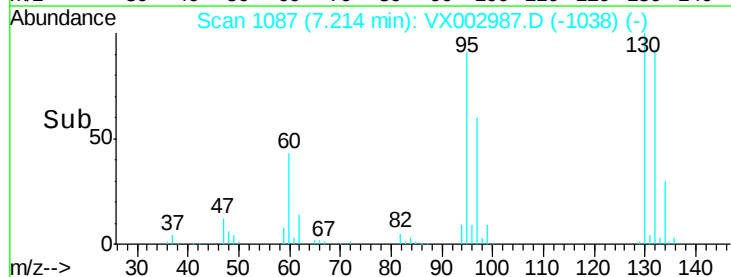
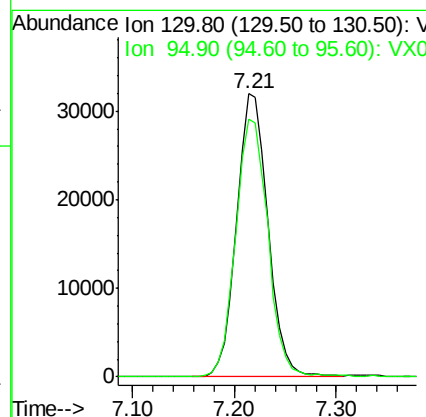
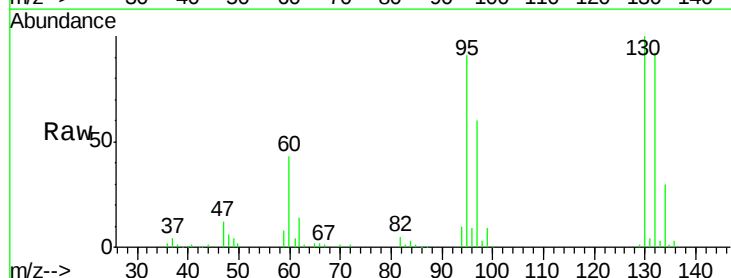
RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Tgt Ion:	130	Resp:	68131
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	185.4





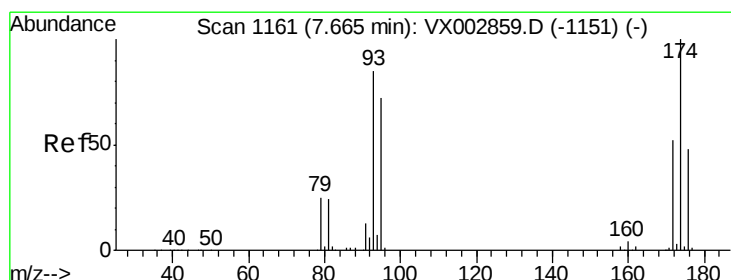
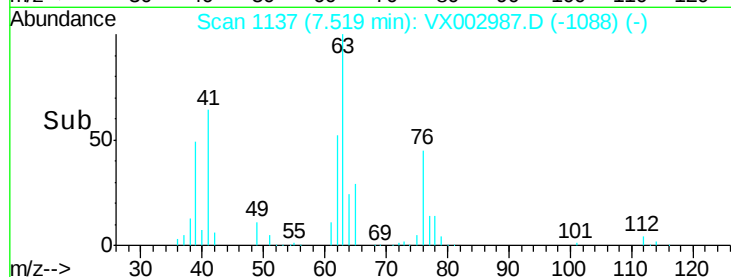
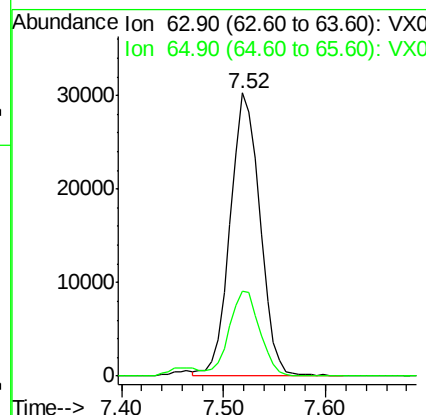
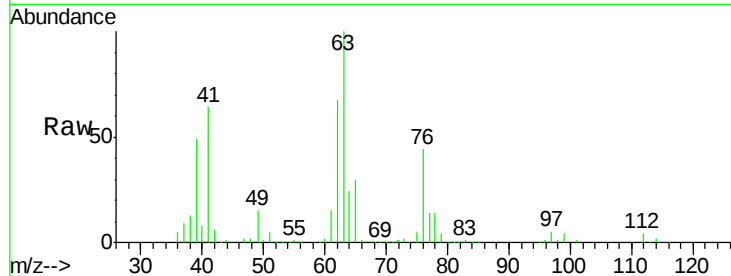
#45
 1,2-Dichloropropane
 Concen: 19.70 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion: 63 Resp: 61159
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.7 37.1

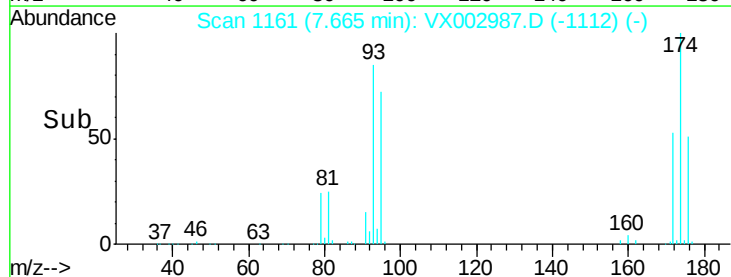
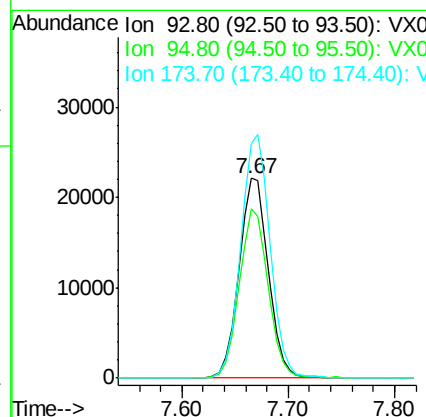
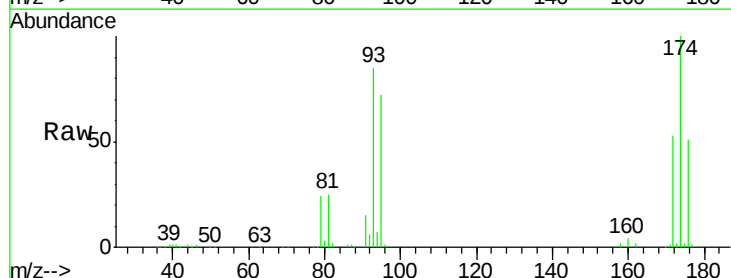
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#46
 Dibromomethane
 Concen: 19.89 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion: 93 Resp: 42848
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.9 98.9
 174 122.0 92.4 138.6





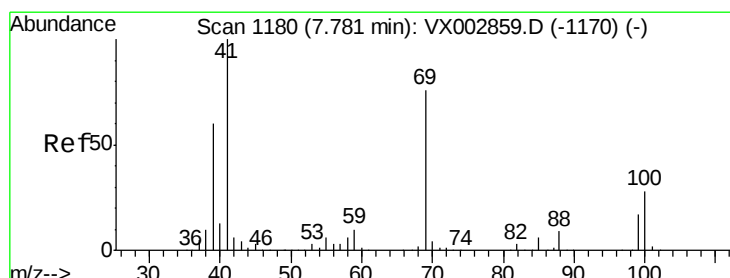
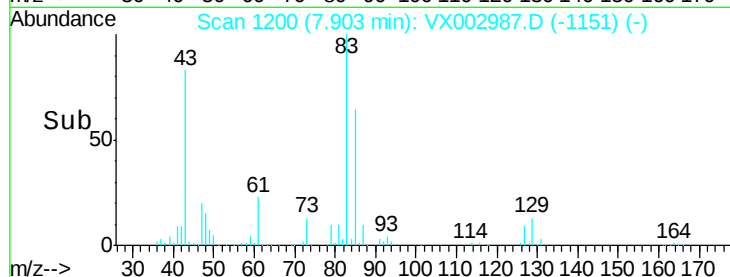
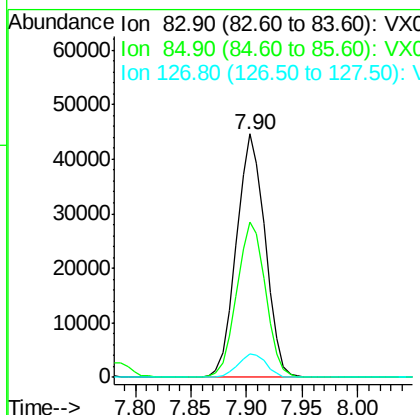
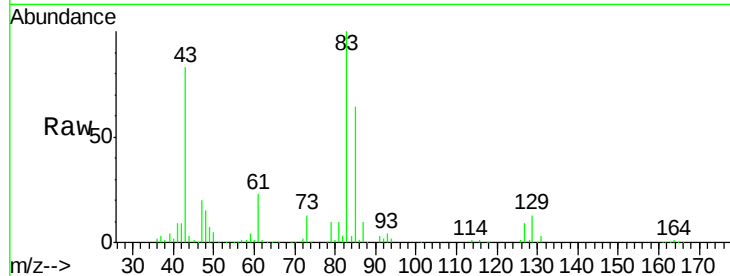
#47
Bromodichloromethane
Concen: 20.01 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	83	Resp	79708
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	50.3	75.5
127	9.5	7.0	10.4

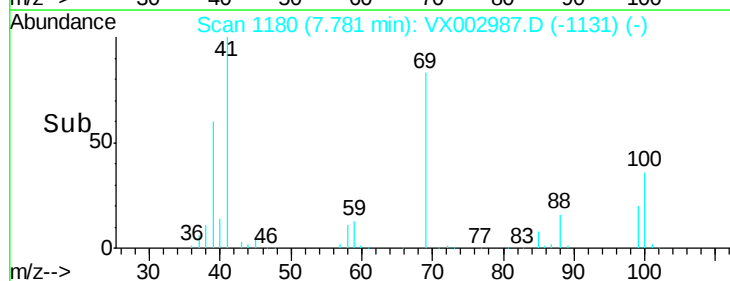
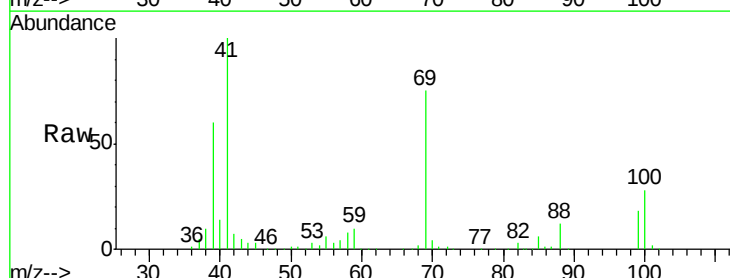
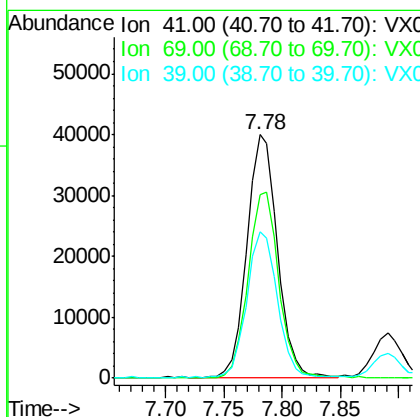
Manual Integrations
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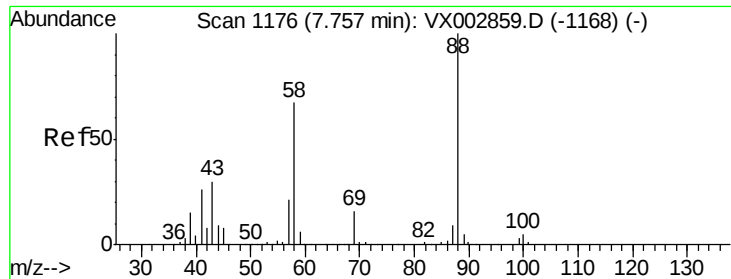
MMDadoda
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#48
Methyl methacrylate
Concen: 19.38 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	41	Resp	72638
Ion Ratio	100	Lower	Upper
41	100		
69	77.8	59.1	88.7
39	60.3	48.9	73.3





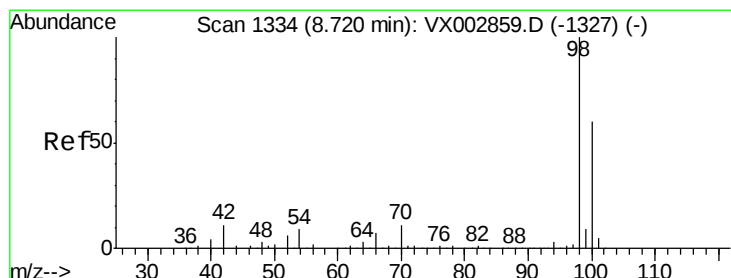
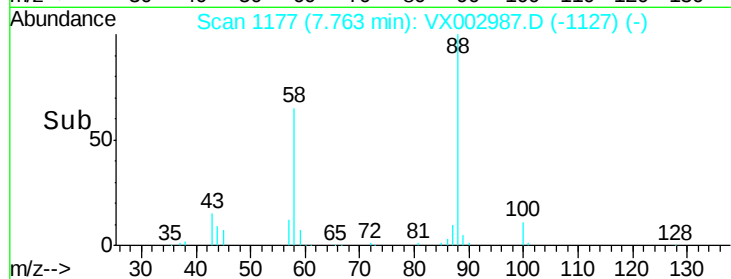
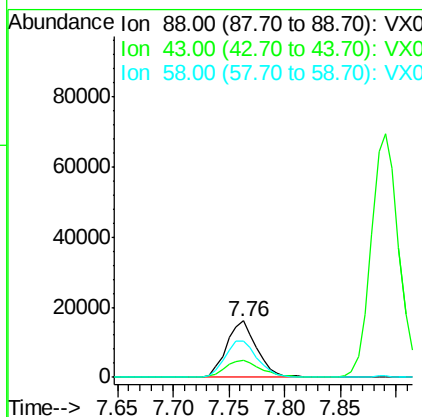
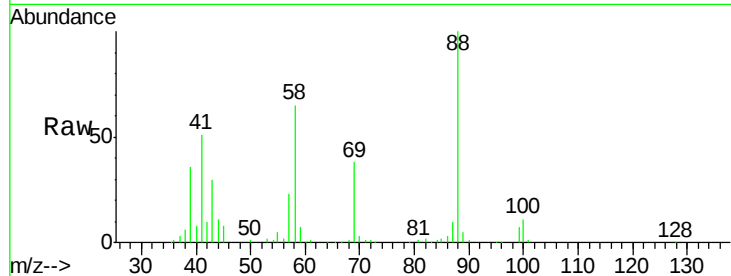
#49
1,4-Dioxane
Concen: 415.32 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	29.8	44.6
58	71.1	57.1	85.7

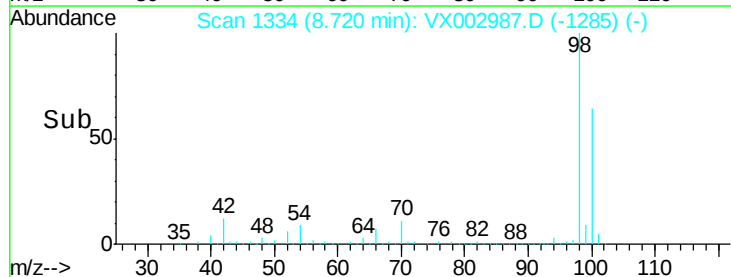
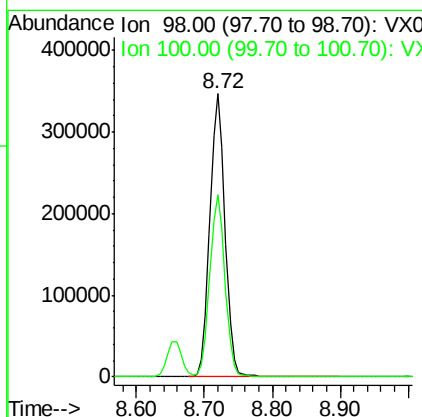
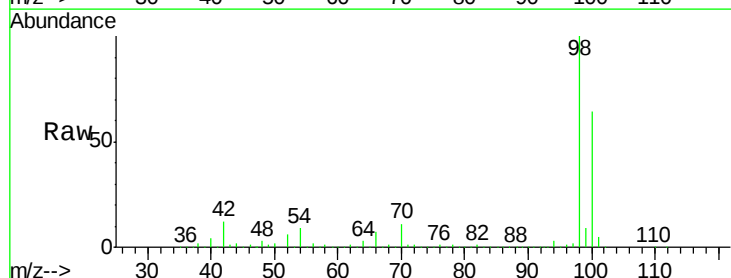
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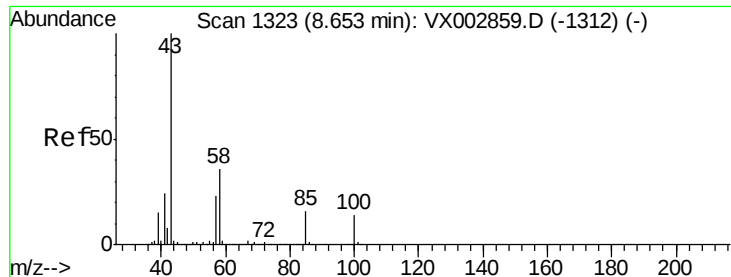
MMDadoda
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#50
Toluene-d8
Concen: 50.52 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.9	76.3





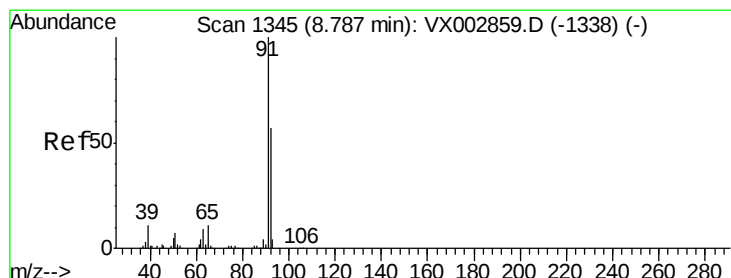
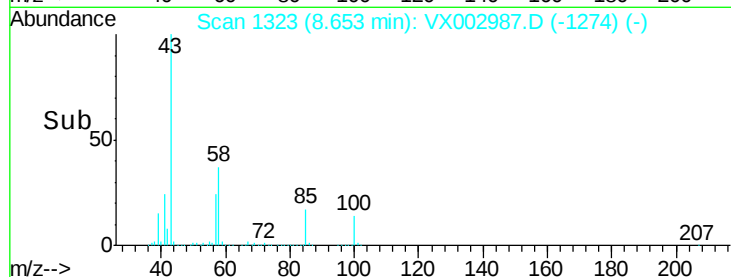
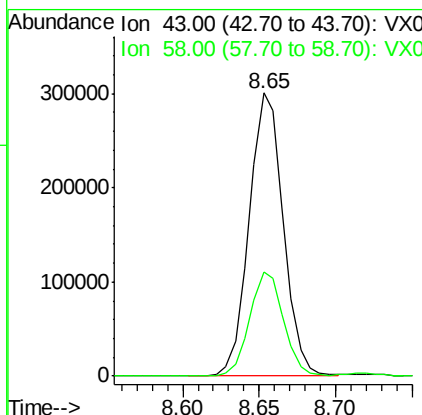
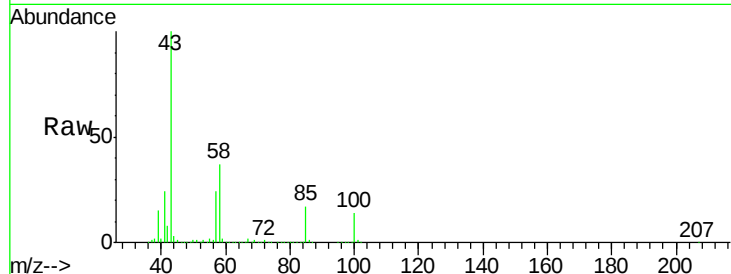
#51
4-Methyl-2-Pentanone
Concen: 102.38 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	43	Resp	465907
Ion Ratio	100	Lower	Upper
43	100		
58	36.4	28.6	42.8

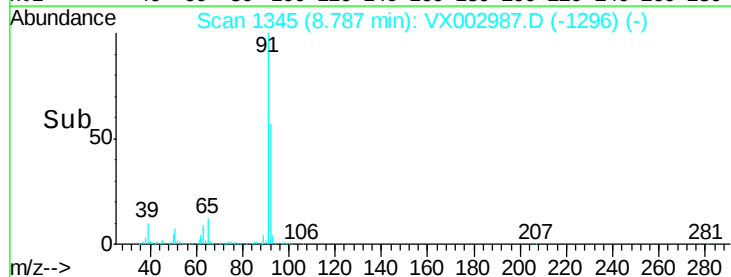
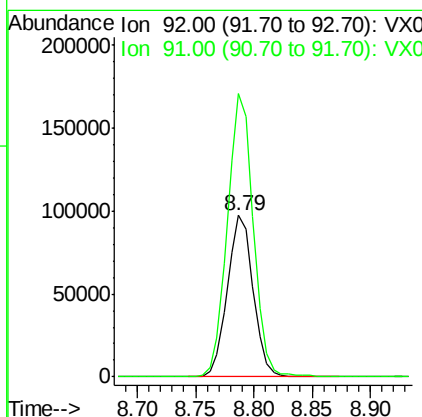
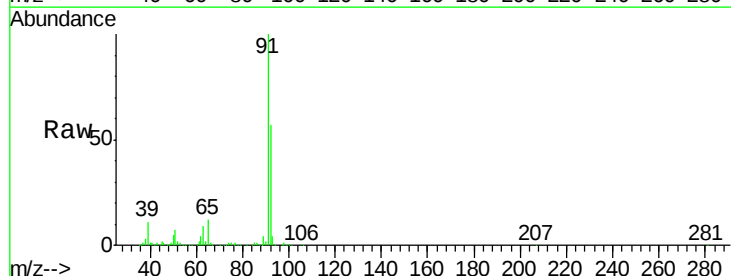
Manual Integrations
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#52
Toluene
Concen: 20.08 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	92	Resp	150551
Ion Ratio	100	Lower	Upper
92	100		
91	175.6	140.4	210.6





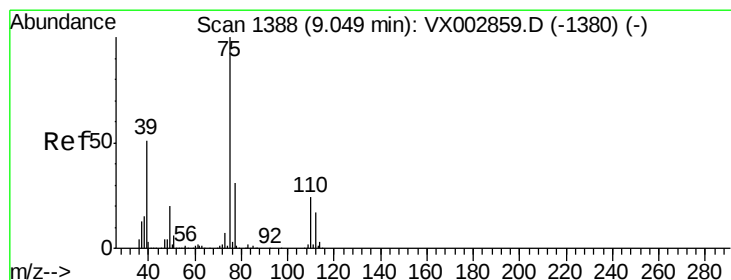
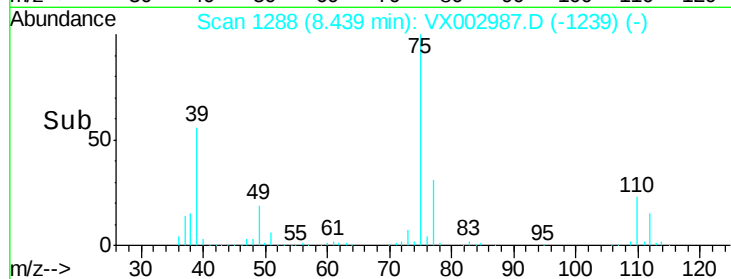
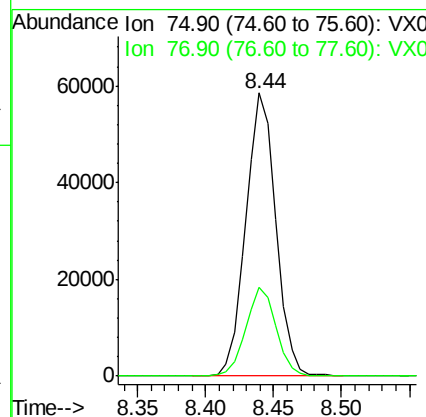
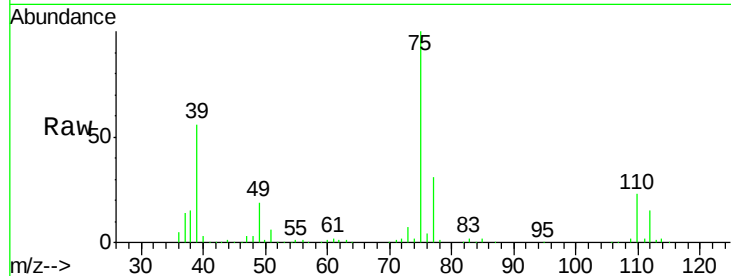
#53
t-1,3-Dichloropropene
Concen: 20.04 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion: 75 Resp: 90395
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

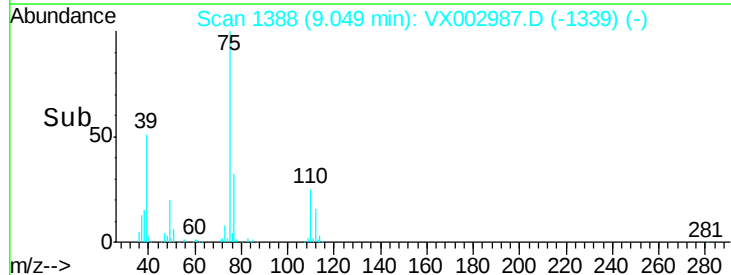
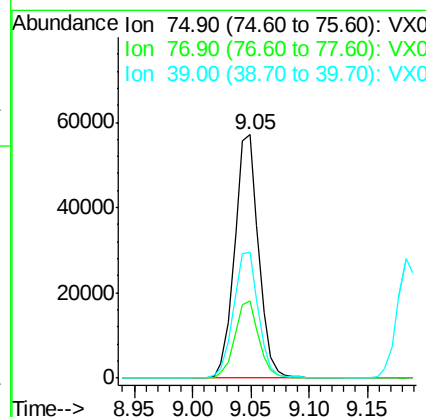
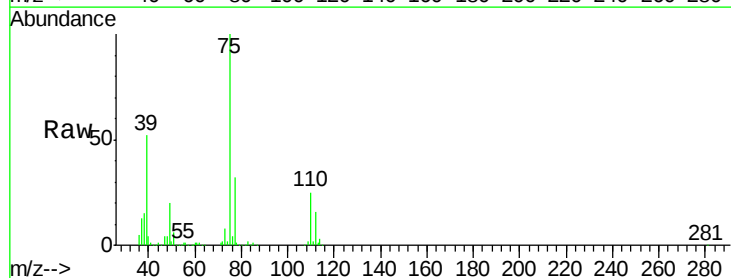
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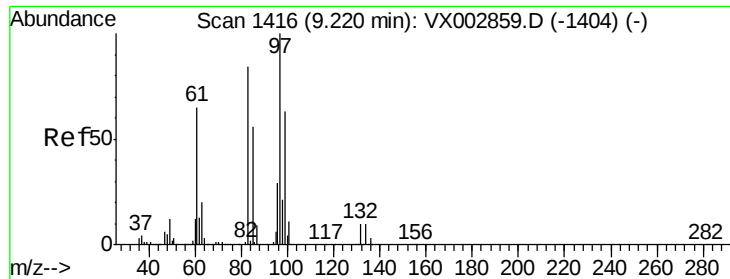
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.81 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion: 75 Resp: 81622
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 51.5 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 20.18 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

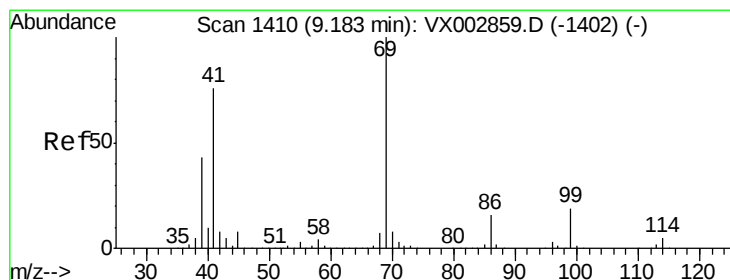
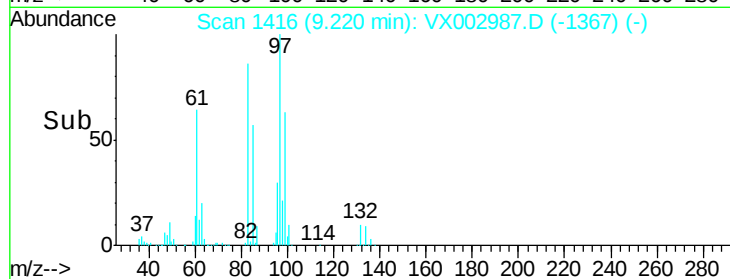
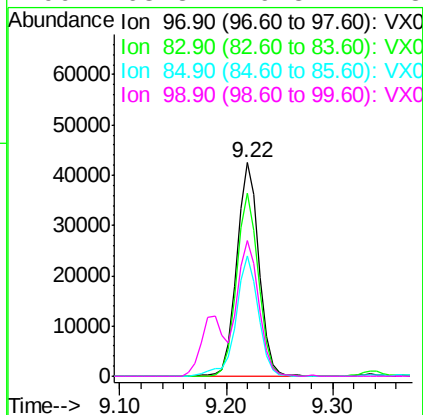
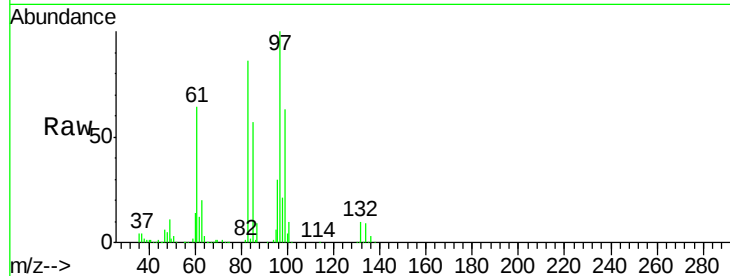
ClientSampleId :

VX0628WBSD01

Tot Ion:	97	Resp:	62157
Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.2	105.2
85	56.6	44.9	67.3
99	63.3	49.8	74.8

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#56

Ethyl methacrylate

Concen: 19.97 ug/l

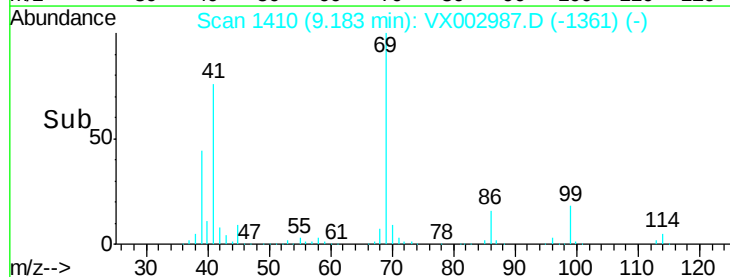
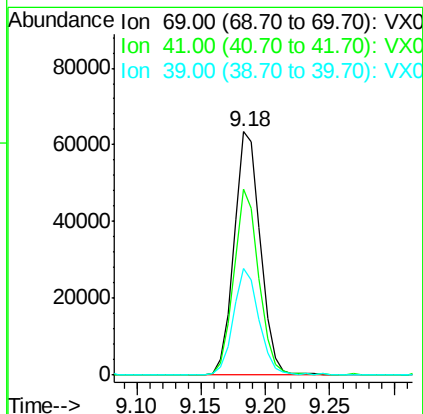
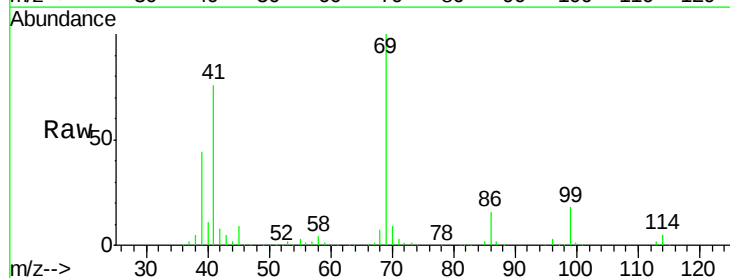
RT: 9.18 min Scan# 1410

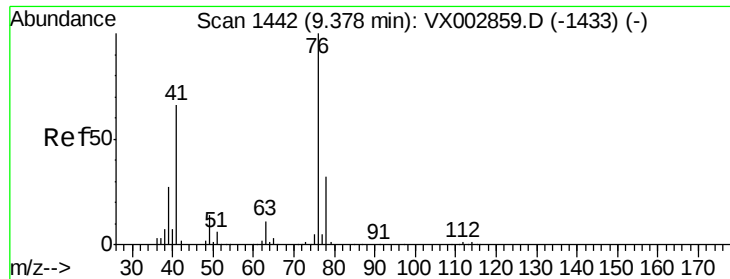
Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Tgt Ion:	69	Resp:	89915
Ion	Ratio	Lower	Upper
69	100		
41	73.0	60.3	90.5
39	42.6	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.99 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 76 Resp: 101135

Ion Ratio Lower Upper

76 100

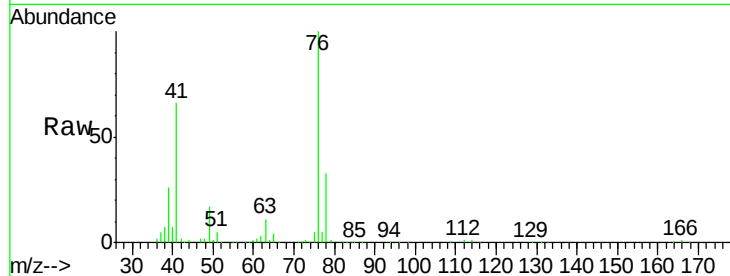
78 32.1 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

80000

60000

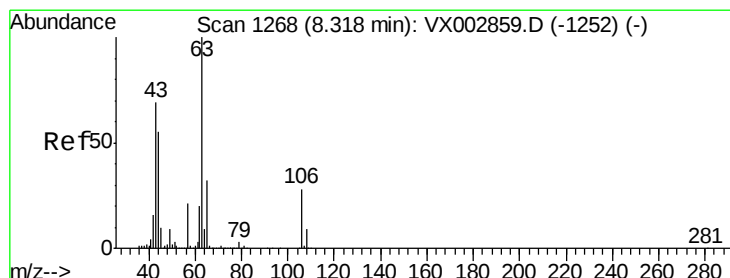
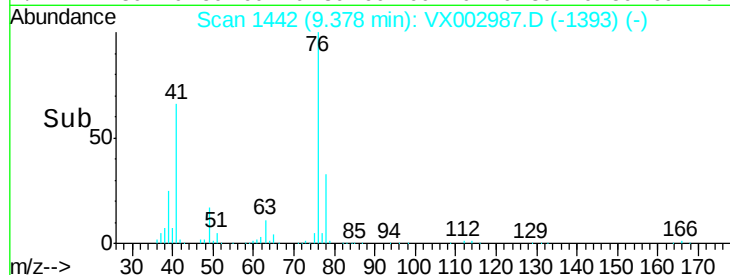
40000

20000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.28 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002987.D

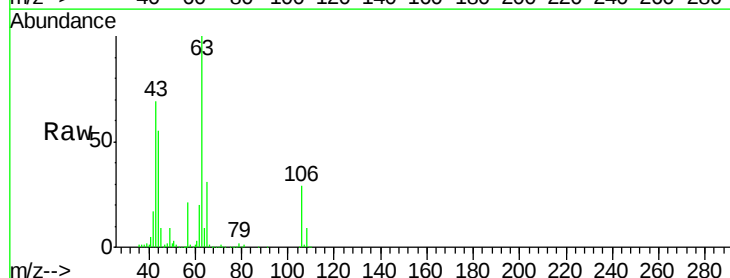
Acq: 28 Jun 2018 16:07

Tgt Ion: 63 Resp: 217843

Ion Ratio Lower Upper

63 100

106 28.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

150000

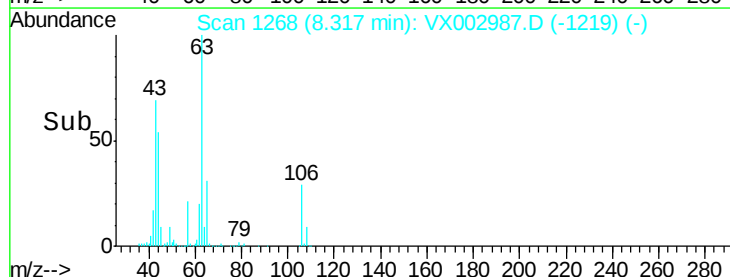
100000

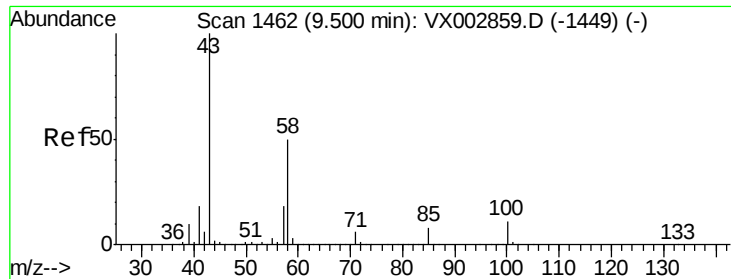
50000

0

8.20 8.30 8.40

Time-->





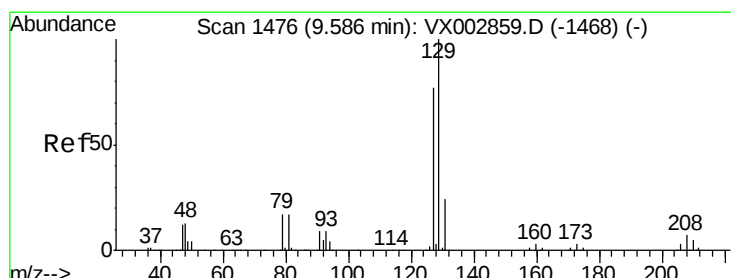
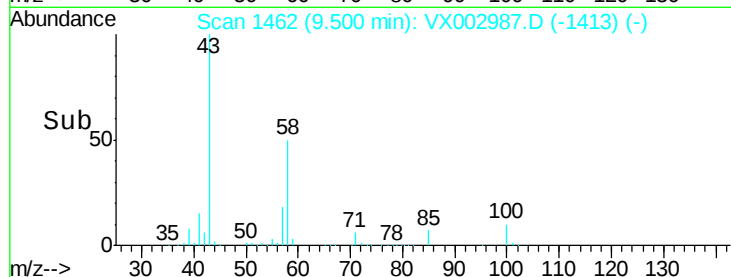
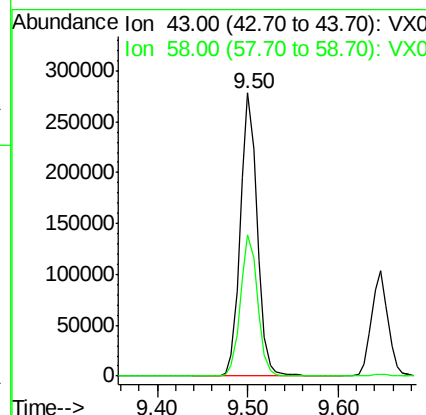
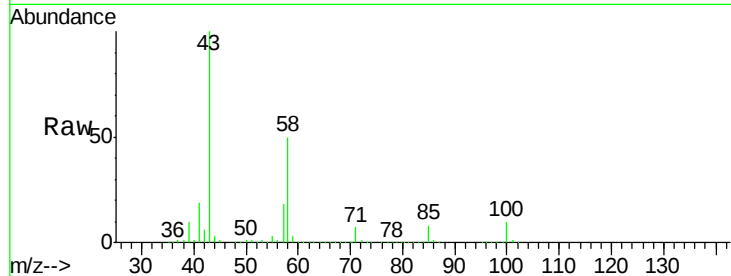
#59
2-Hexanone
Concen: 103.97 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion: 43 Resp: 359581
Ion Ratio Lower Upper
43 100
58 50.7 24.6 73.6

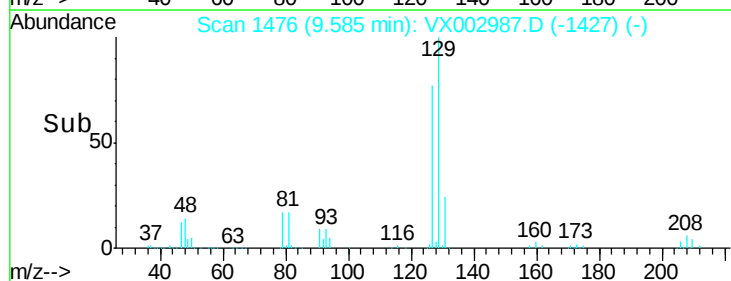
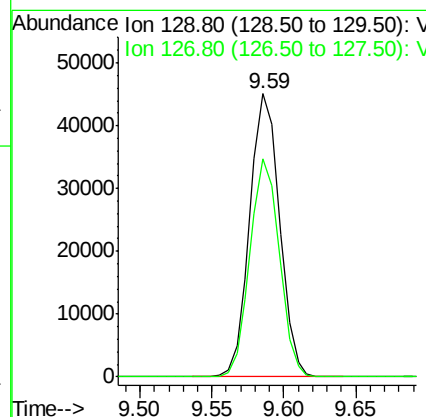
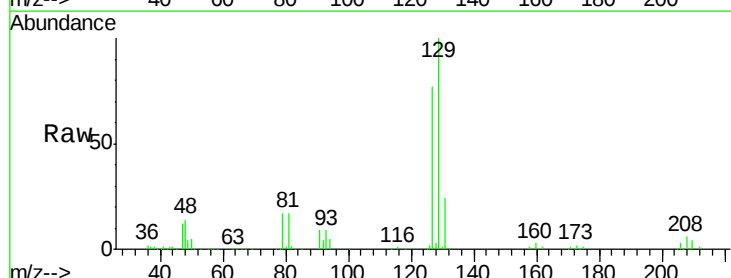
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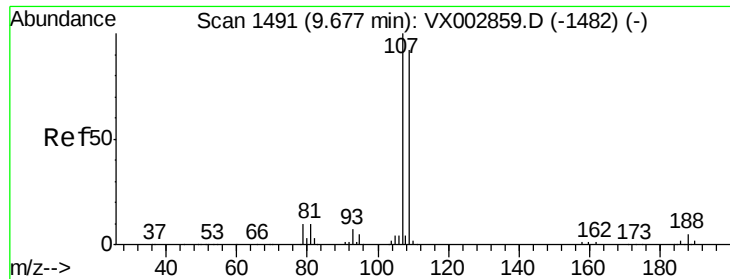
MMDadoda
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#60
Dibromochloromethane
Concen: 19.87 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion: 129 Resp: 64448
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.17 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion:107 Resp: 65170

Ion Ratio Lower Upper

107 100

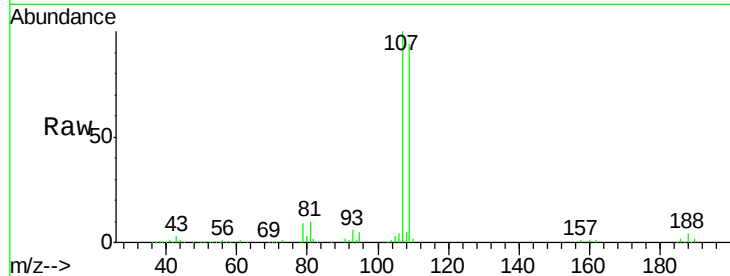
109 93.7 75.3 112.9

Manual Integrations

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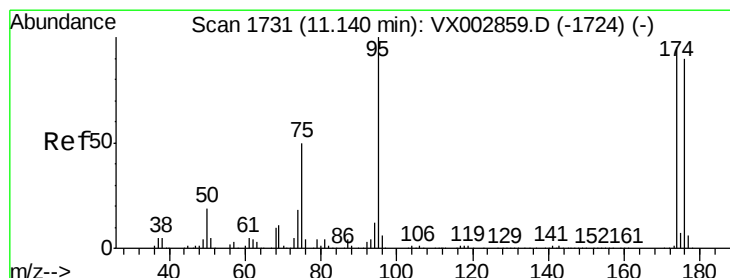
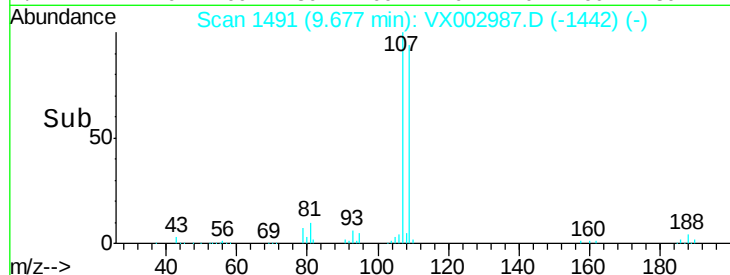
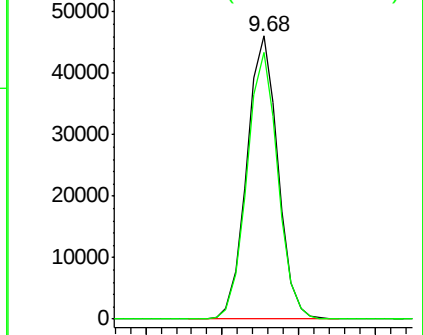
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

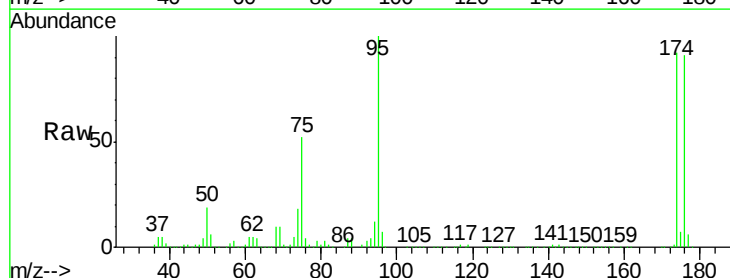
Tgt Ion: 95 Resp: 202825

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.4

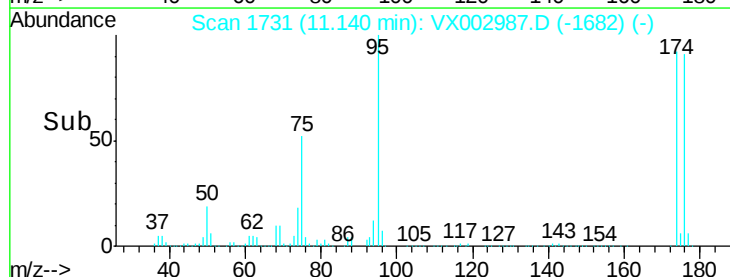
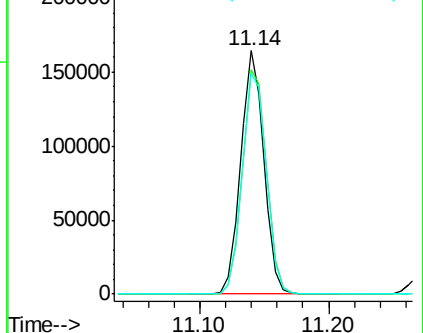
176 94.2 0.0 181.0

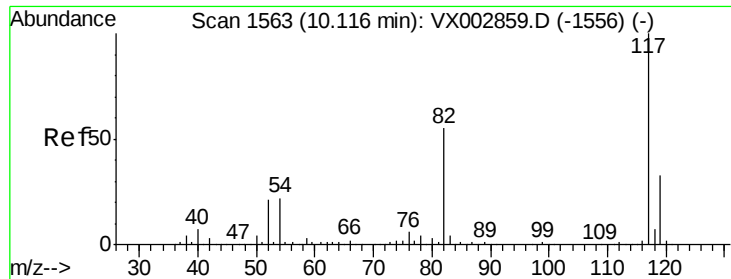


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





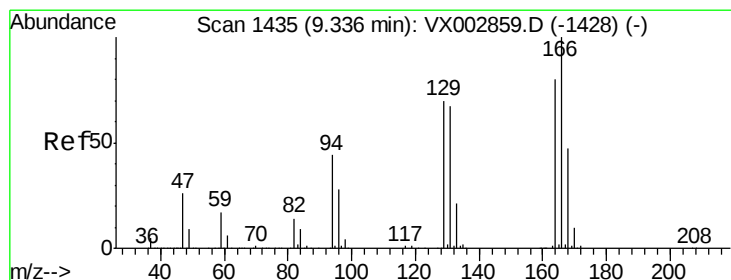
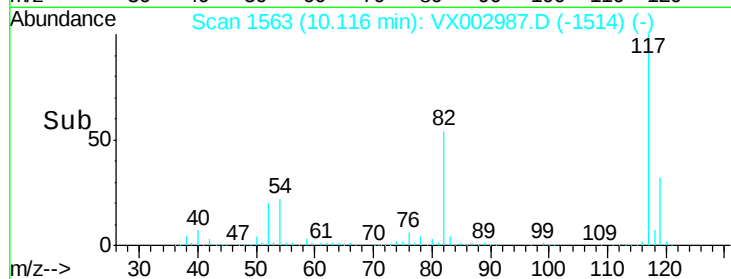
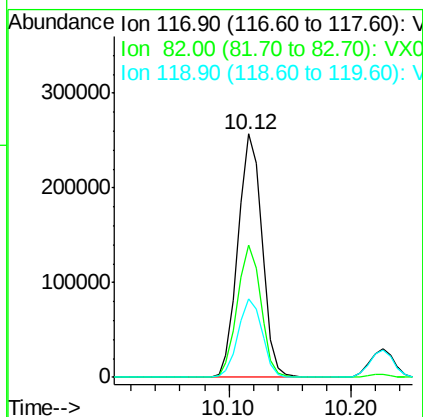
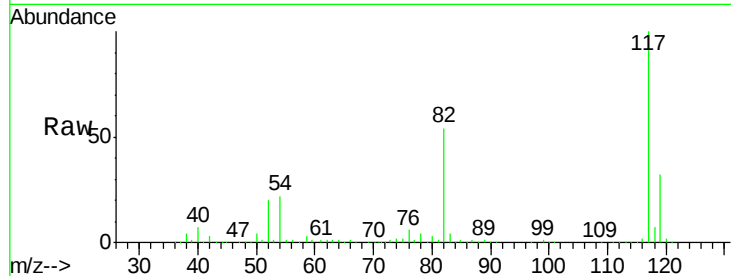
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	349018		
82	54.1	45.0	67.4	
119	32.4	25.8	38.6	

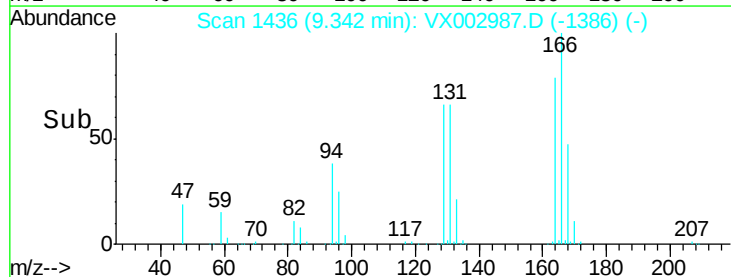
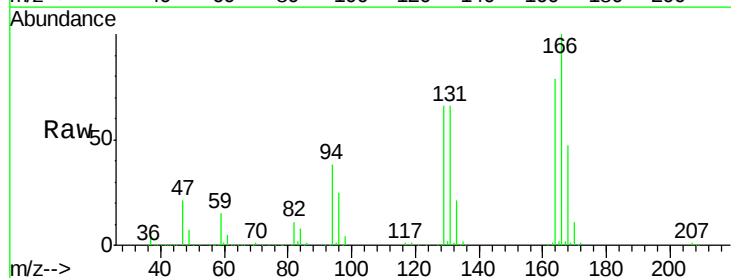
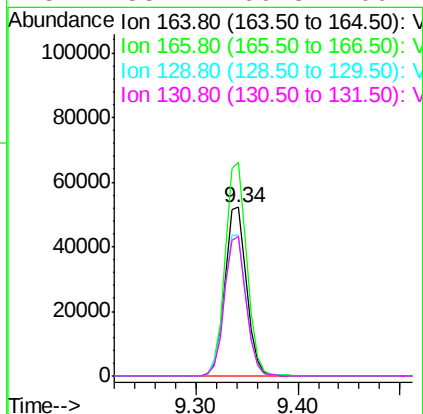
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#64
Tetrachloroethene
Concen: 19.66 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76298		
166	126.7	102.9	154.3	
129	83.2	68.6	102.8	
131	83.1	66.8	100.2	





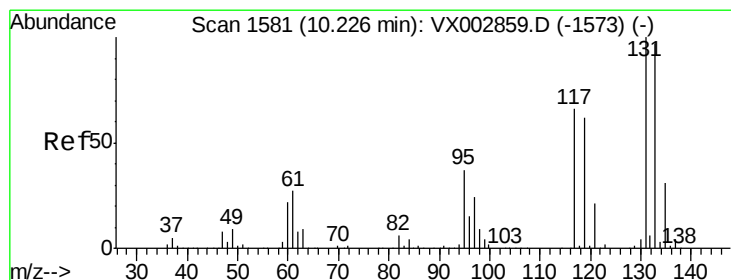
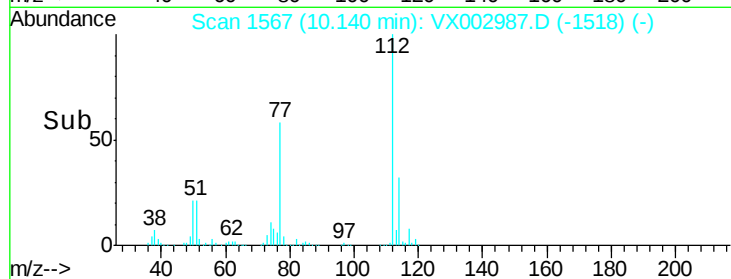
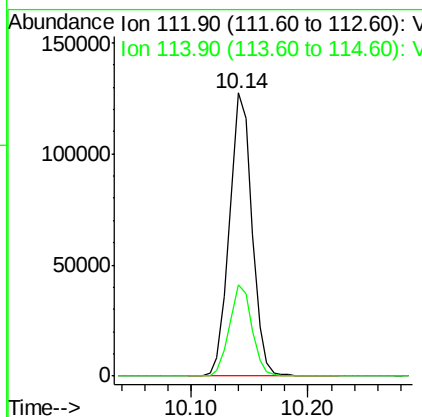
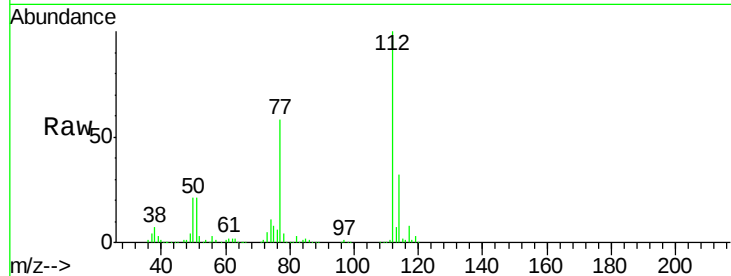
#65
Chlorobenzene
Concen: 19.46 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	172532		
114	32.1	25.3	37.9	

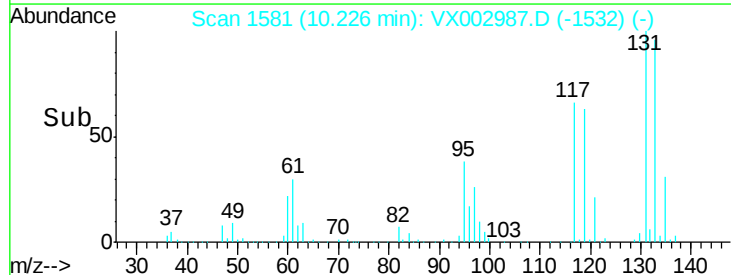
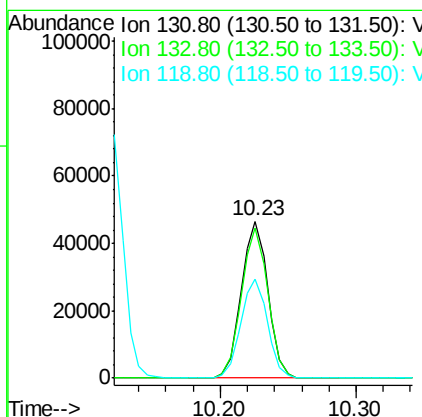
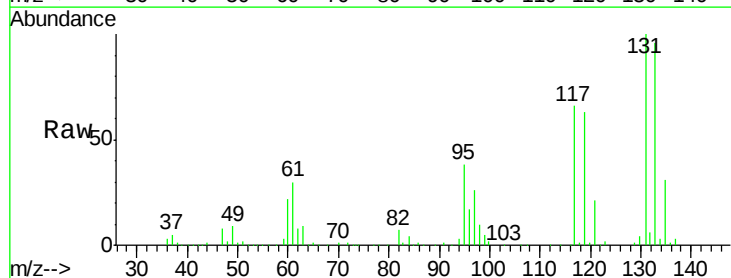
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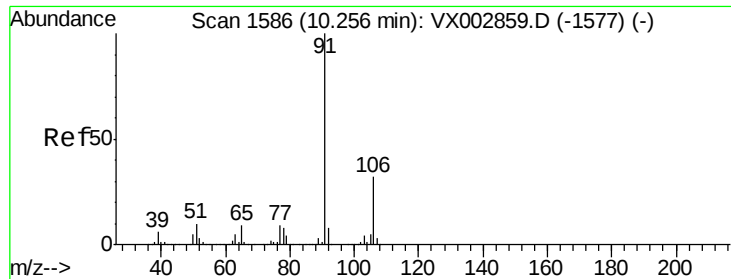
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.68 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	63385		
133	95.8	47.9	143.6	
119	63.7	31.8	95.3	





#67

Ethyl Benzene

Concen: 19.71 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 91 Resp: 288652

Ion Ratio Lower Upper

91 100

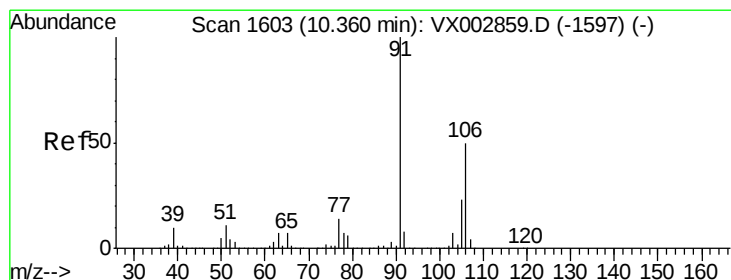
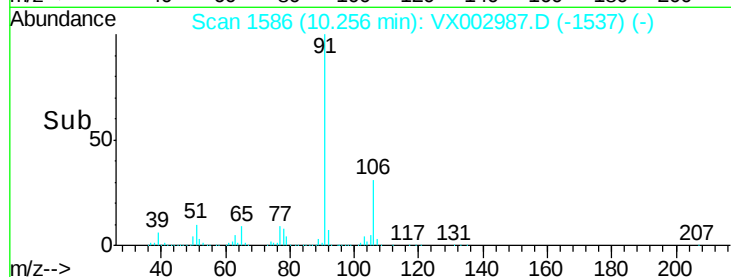
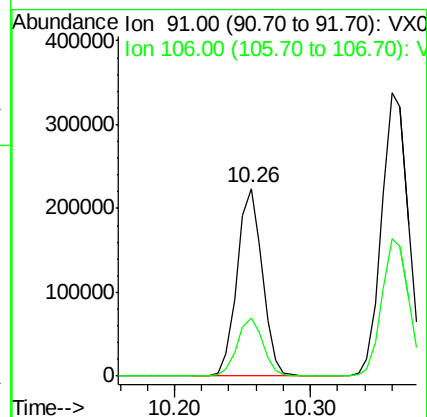
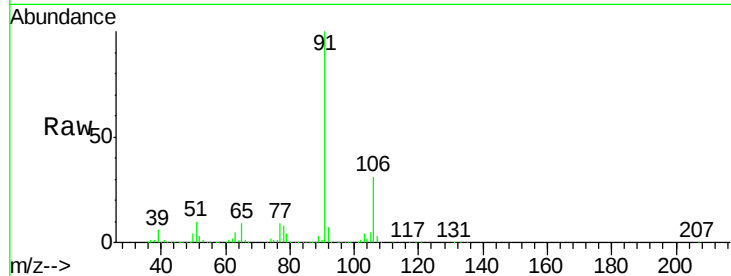
106 31.1 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.74 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX002987.D

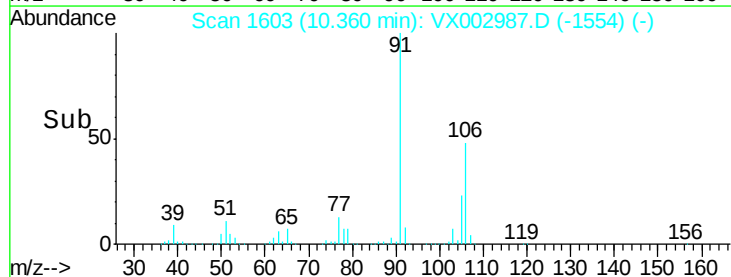
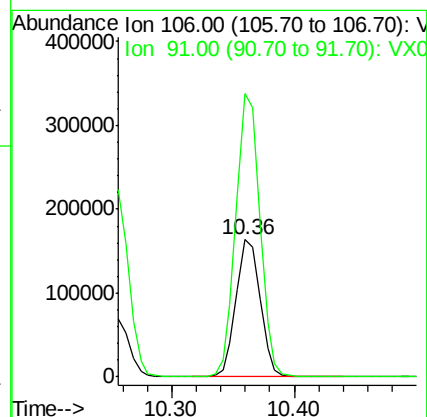
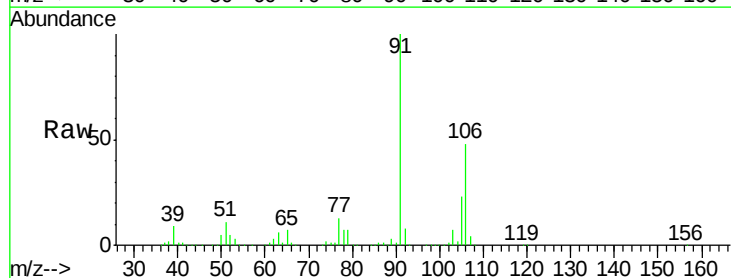
Acq: 28 Jun 2018 16:07

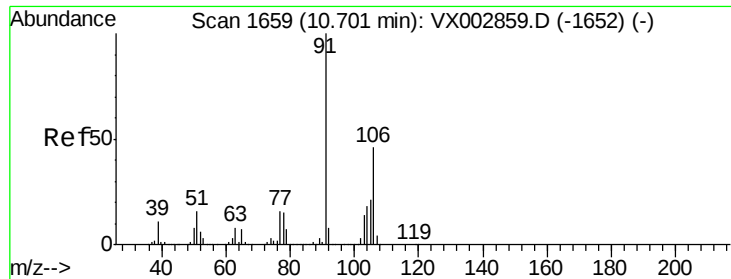
Tgt Ion: 106 Resp: 224316

Ion Ratio Lower Upper

106 100

91 204.7 163.4 245.2





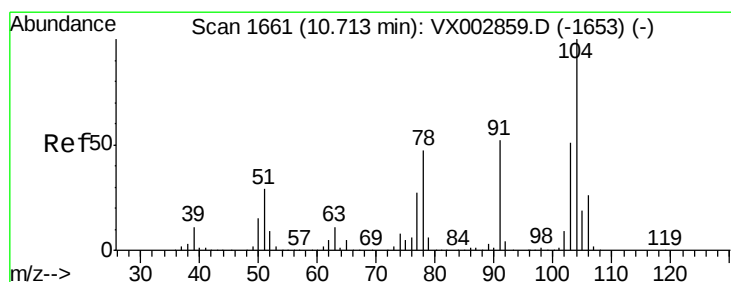
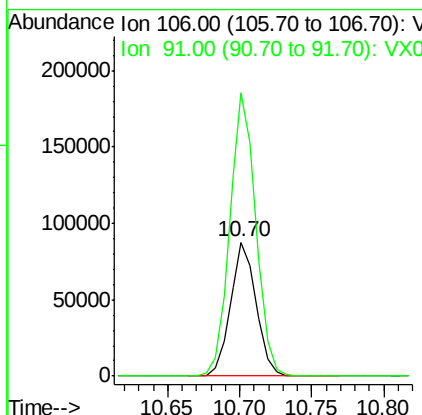
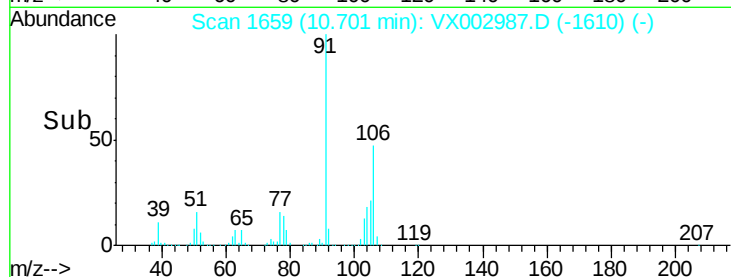
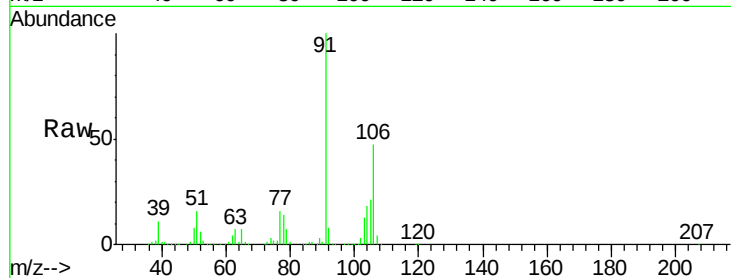
#69
o-Xylene
Concen: 19.94 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion:106 Resp: 109580
Ion Ratio Lower Upper
106 100
91 214.3 108.2 324.6

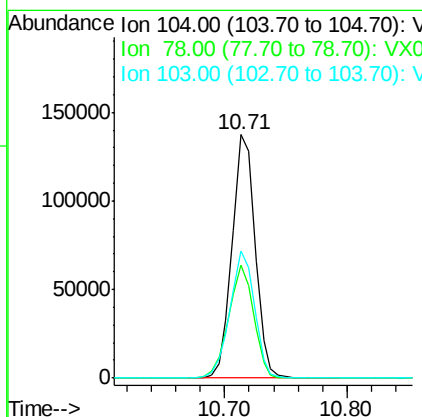
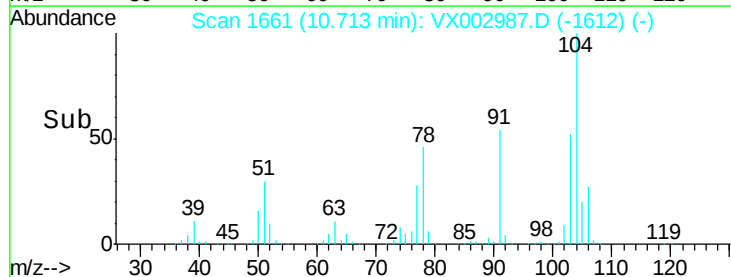
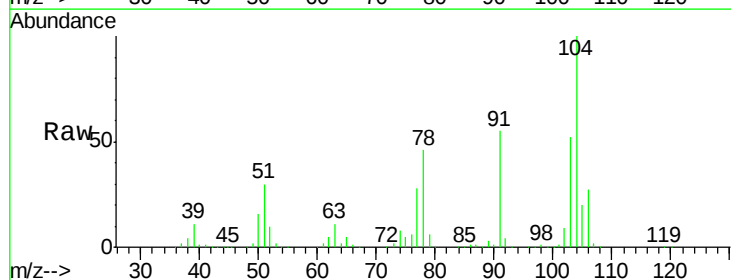
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#70
Styrene
Concen: 20.08 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion:104 Resp: 179270
Ion Ratio Lower Upper
104 100
78 50.4 41.0 61.6
103 55.8 44.2 66.4





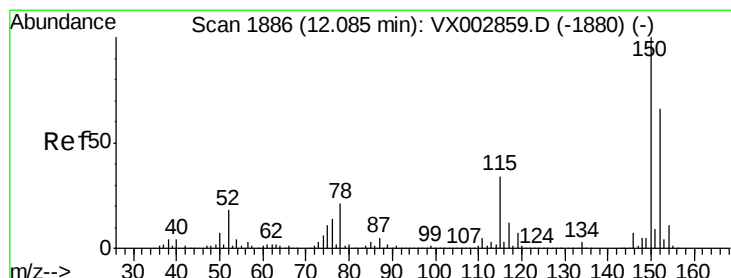
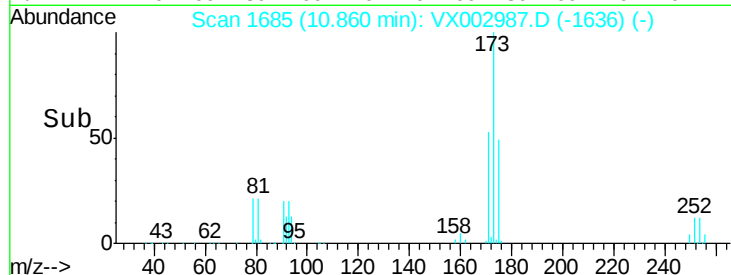
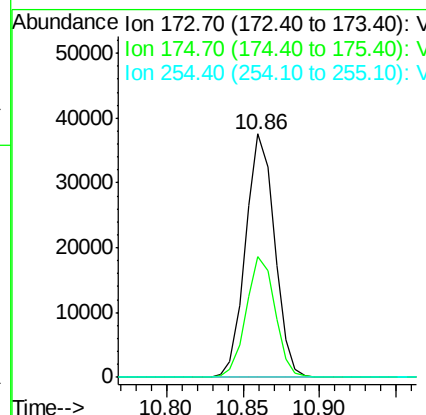
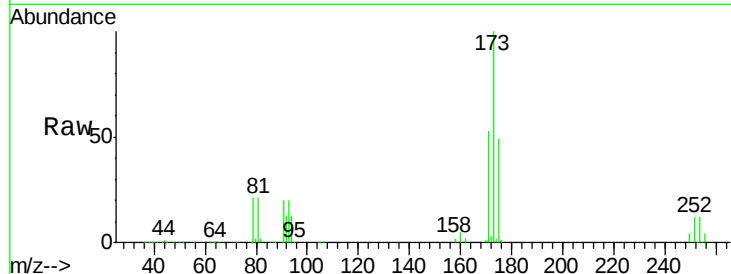
#71
Bromoform
Concen: 19.61 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.2	0.2	0.2

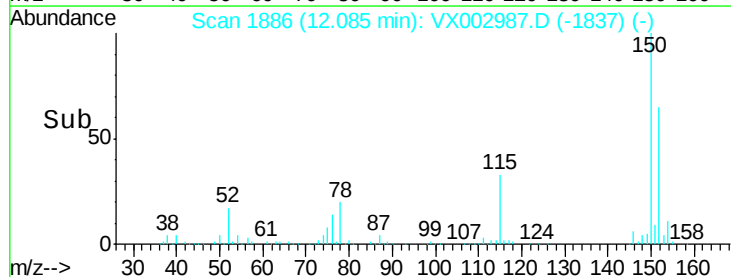
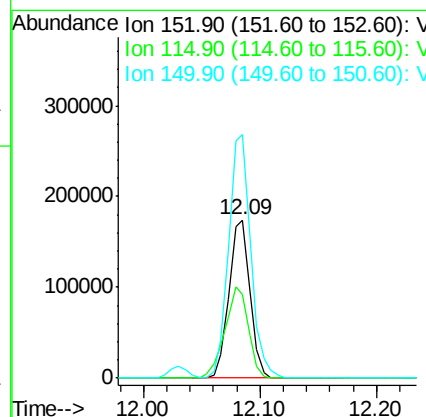
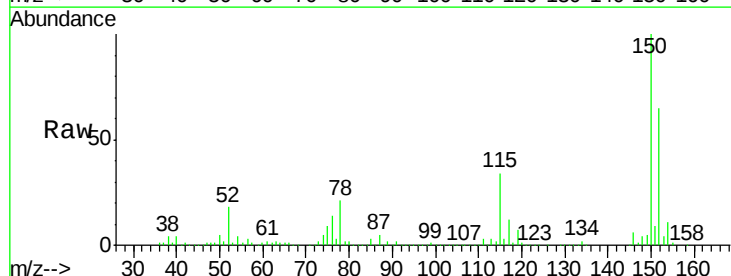
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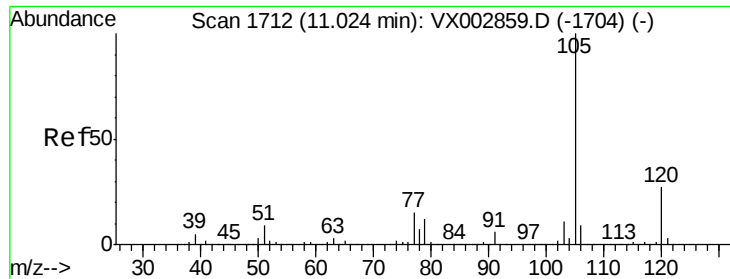
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	40.1	120.2
150	162.7	0.0	347.2





#73

Isopropylbenzene

Concen: 20.56 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion:105 Resp: 300087

Ion Ratio Lower Upper

105 100

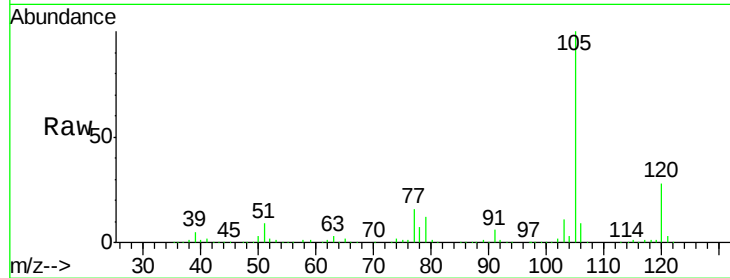
120 27.1 13.5 40.4

Manual Integrations

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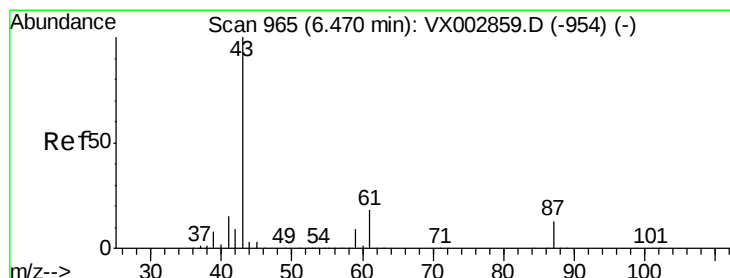
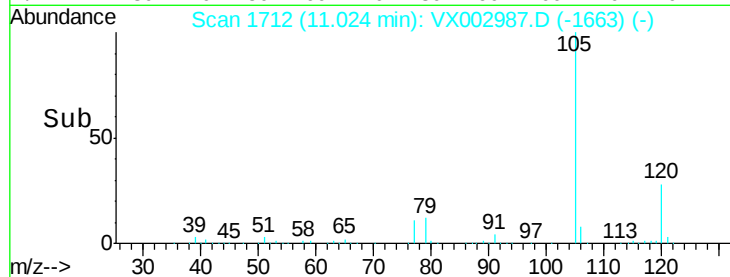
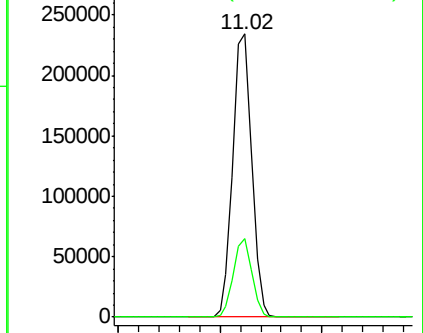
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.98 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Tgt Ion: 43 Resp: 142715

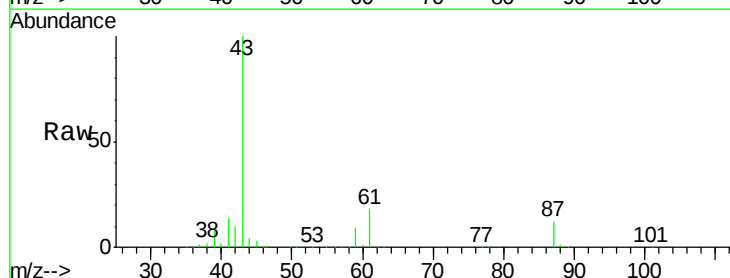
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.2 14.4 21.6

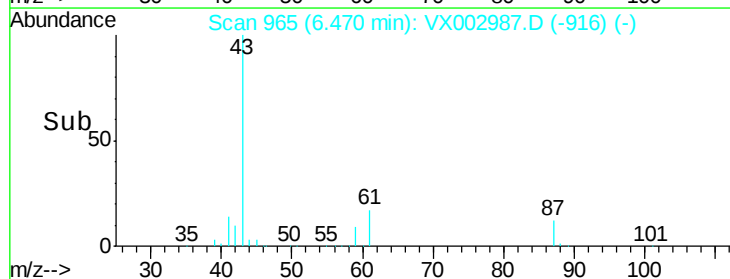
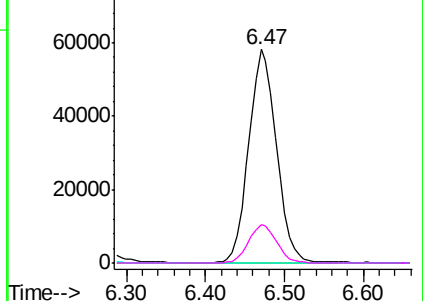


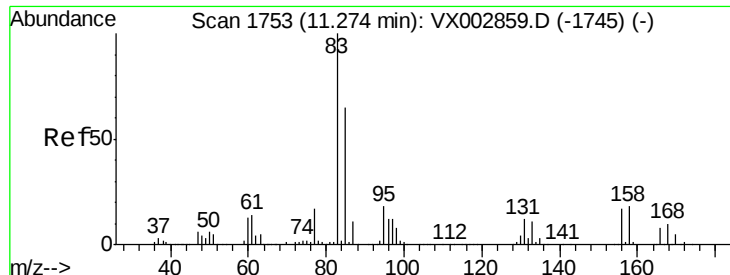
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.75 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

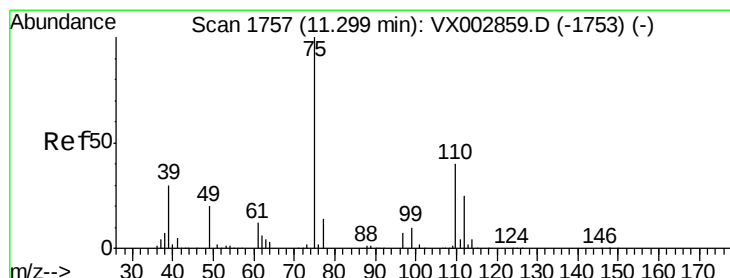
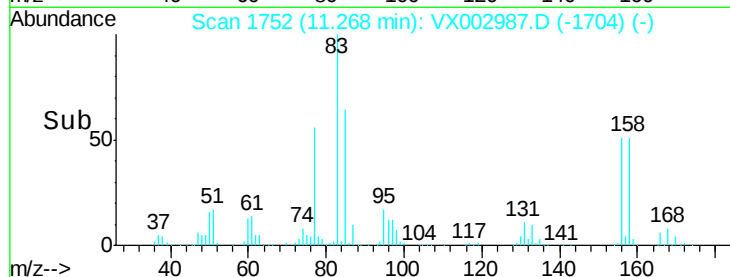
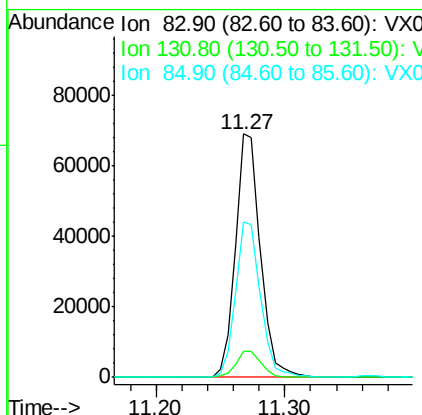
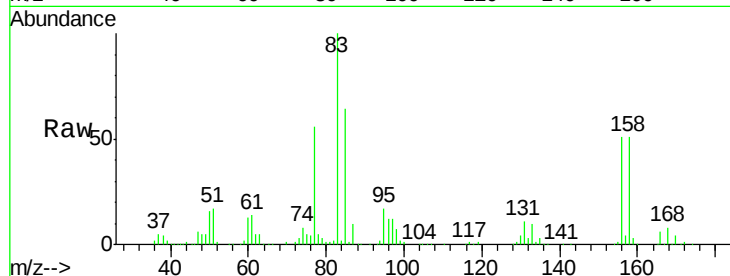
ClientSampleId :

VX0628WBSD01

Tot Ion:	83	Resp:	93320
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	64.1	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 20.34 ug/l m

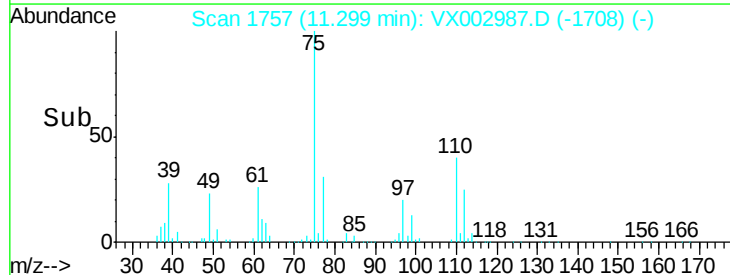
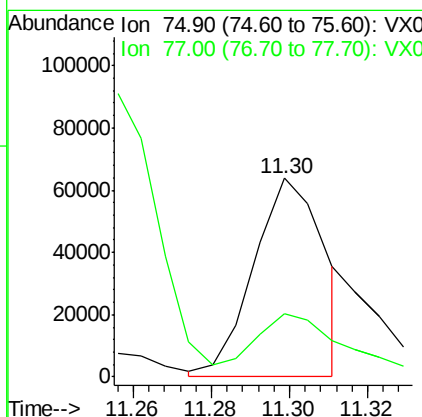
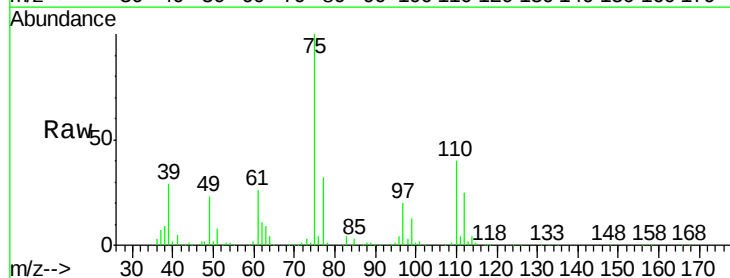
RT: 11.30 min Scan# 1757

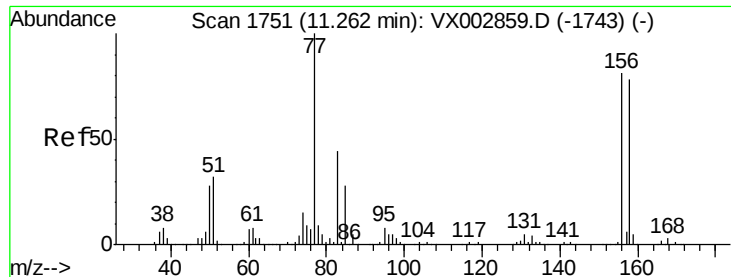
Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Tgt Ion:	75	Resp:	79934
Ion Ratio	Lower	Upper	
75	100		
77	41.1	22.8	68.3





#77

Bromobenzene

Concen: 20.06 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion:156 Resp: 83405

Ion Ratio Lower Upper

156 100

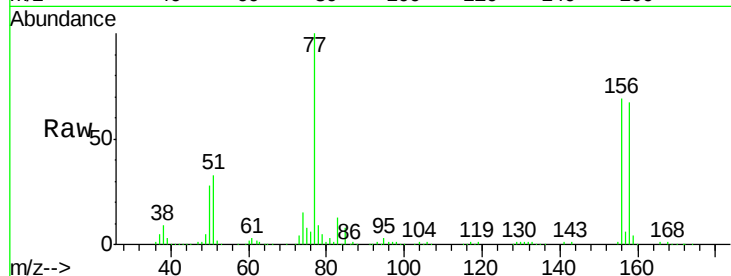
77 137.2 71.4 214.2

158 97.0 48.9 146.6

Manual Integrations
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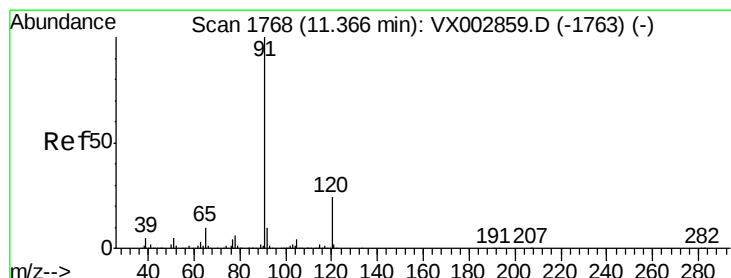
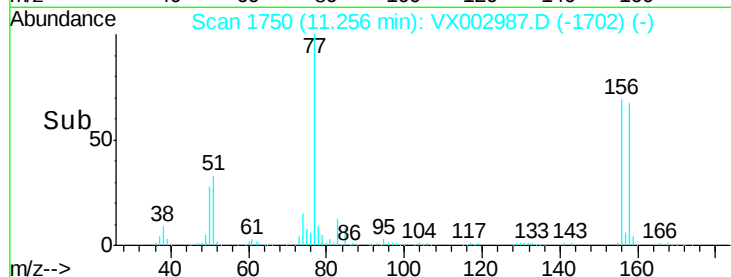
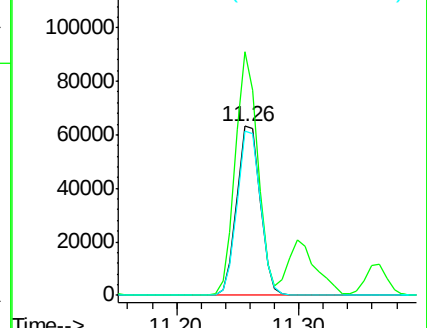
6/29/2018 12:22:53 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.48 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002987.D

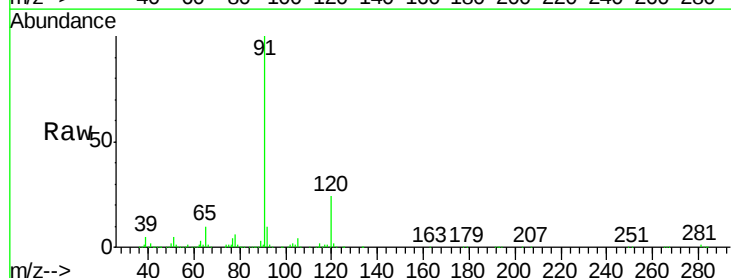
Acq: 28 Jun 2018 16:07

Tgt Ion: 91 Resp: 340286

Ion Ratio Lower Upper

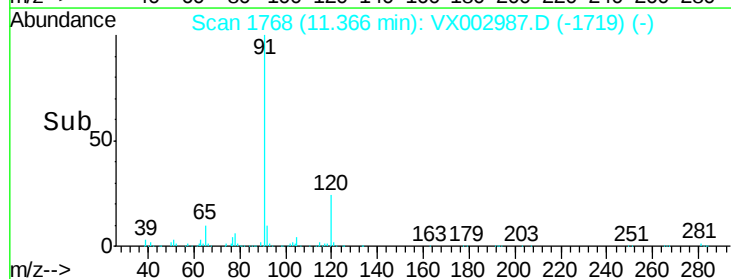
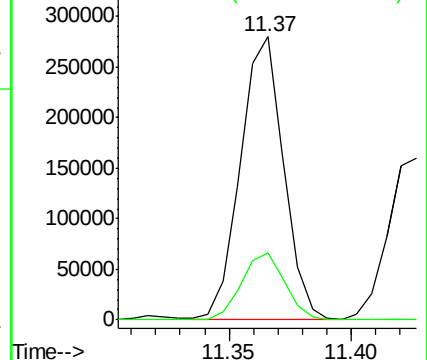
91 100

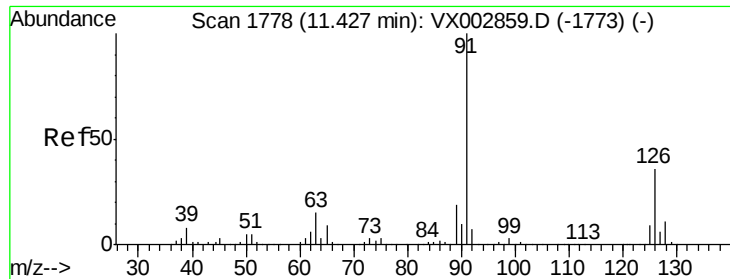
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





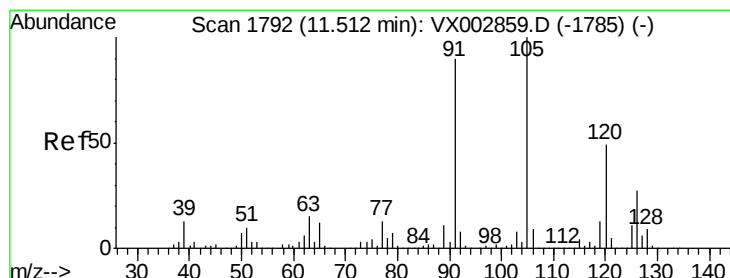
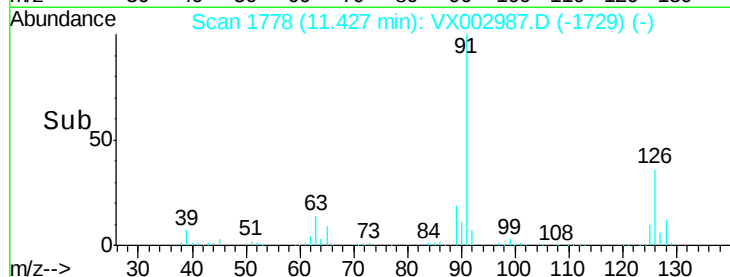
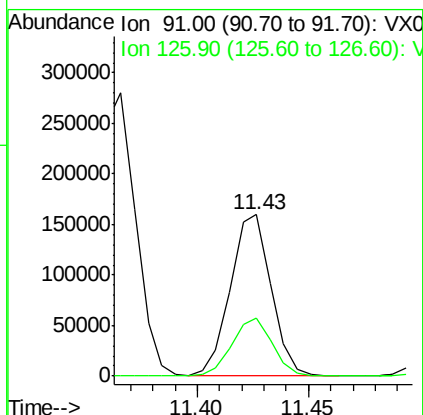
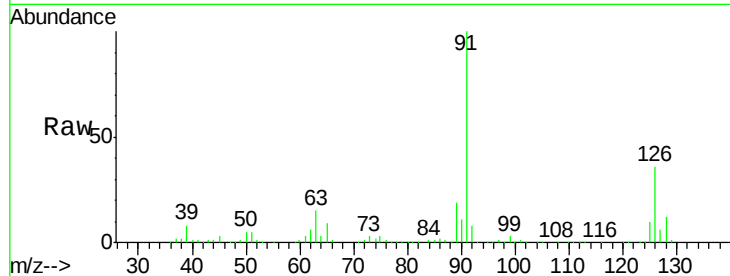
#79
 2-Chlorotoluene
 Concen: 20.15 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion: 91 Resp: 202648
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.7 53.1

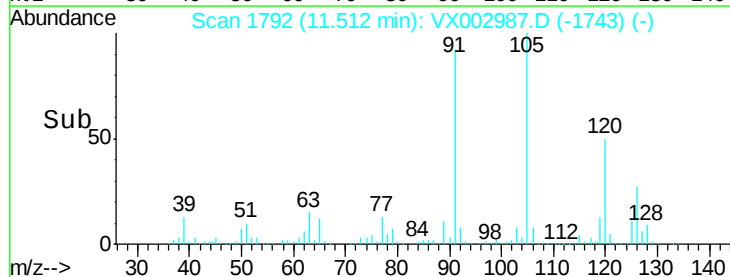
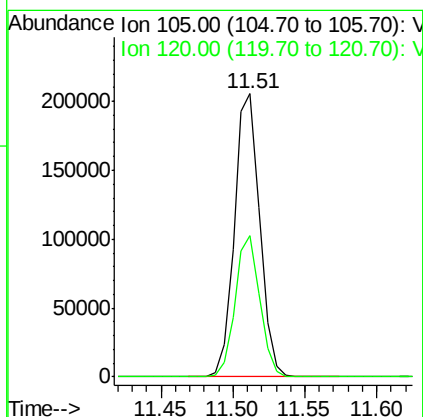
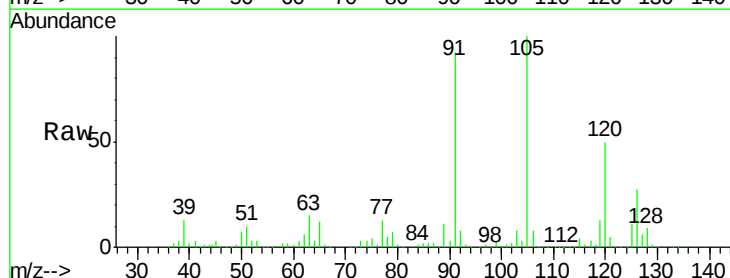
Manual Integrations
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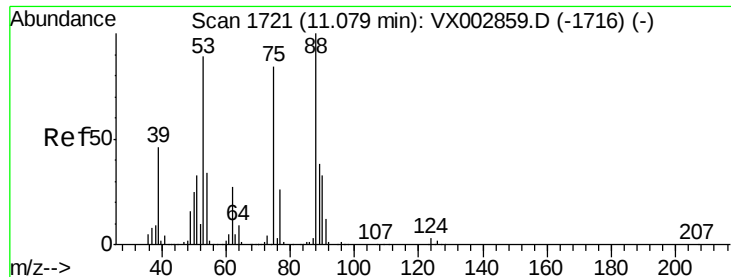
MMDadoda
 6/29/2018 12:22:53 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.55 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion:105 Resp: 252647
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.23 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 75 Resp: 21595

Ion Ratio Lower Upper

75 100

53 114.8 86.8 130.2

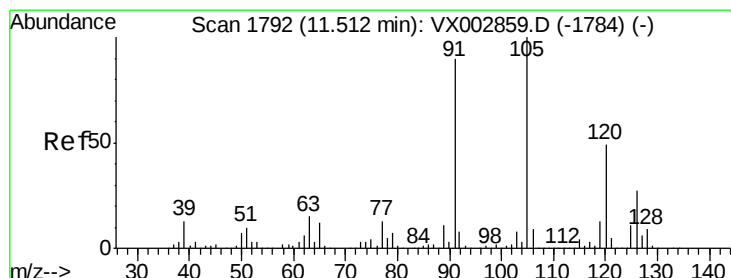
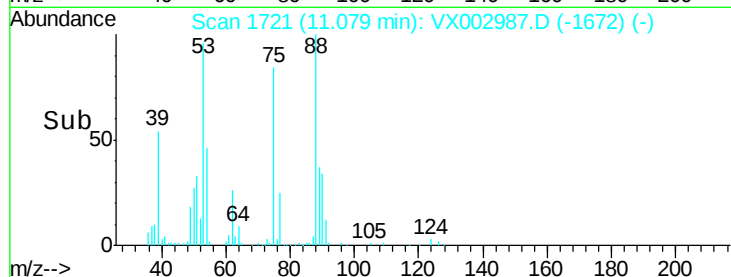
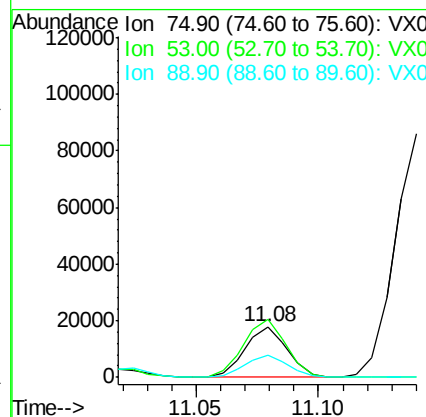
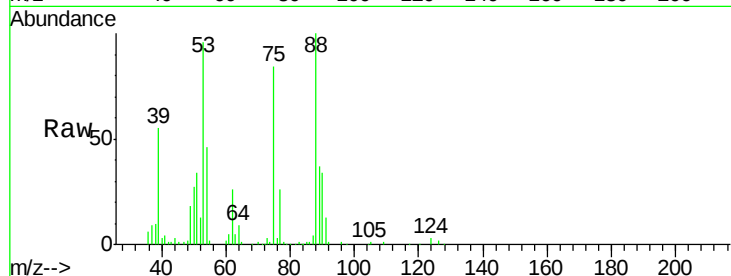
89 45.1 38.2 57.2

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.91 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002987.D

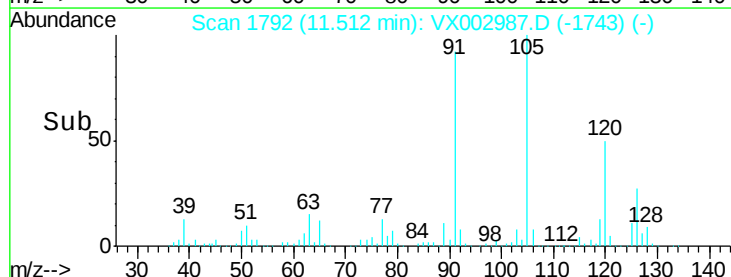
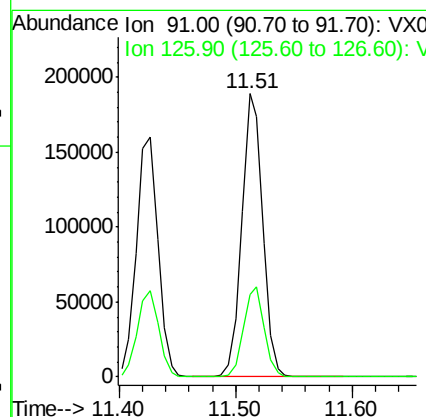
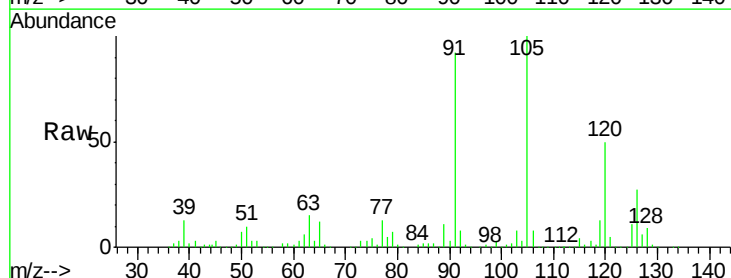
Acq: 28 Jun 2018 16:07

Tgt Ion: 91 Resp: 237131

Ion Ratio Lower Upper

91 100

126 31.2 15.4 46.4





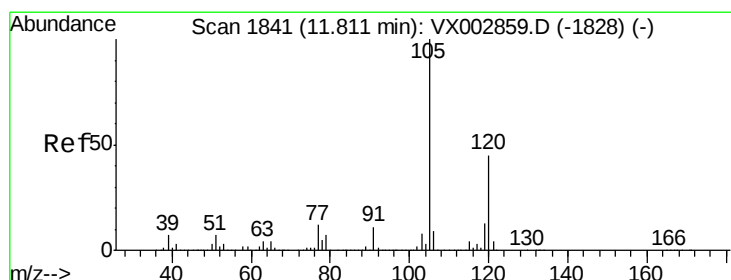
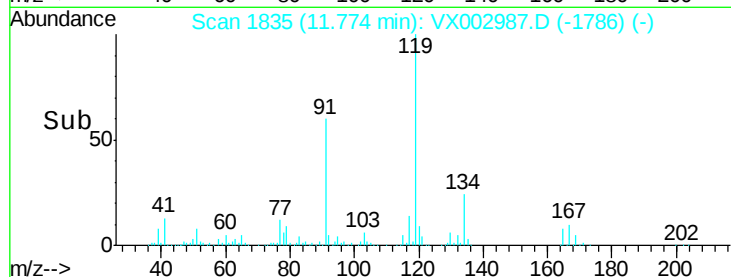
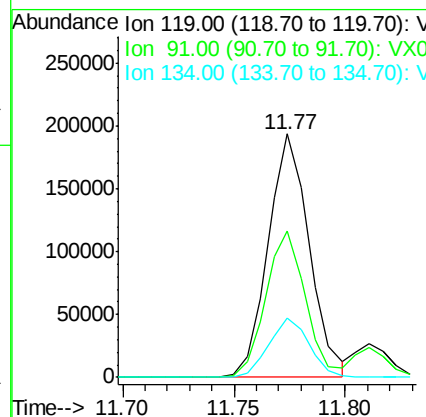
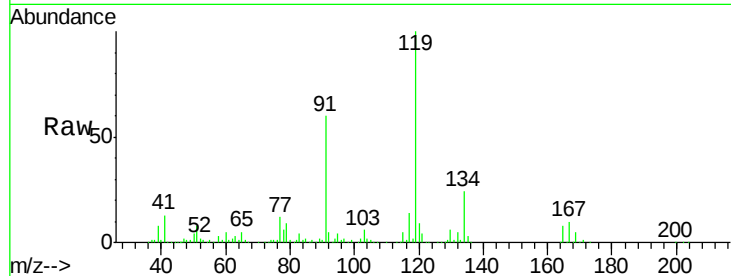
#83
tert-Butylbenzene
Concen: 20.47 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	30.3	90.9
134	24.0	11.7	35.1

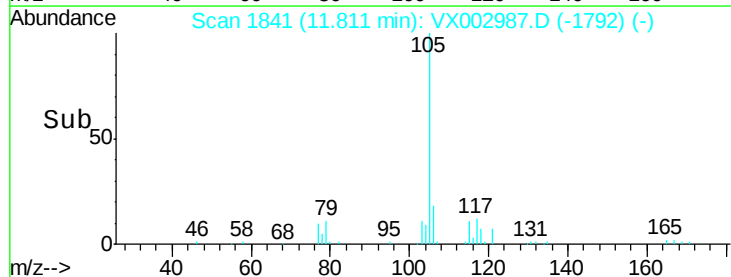
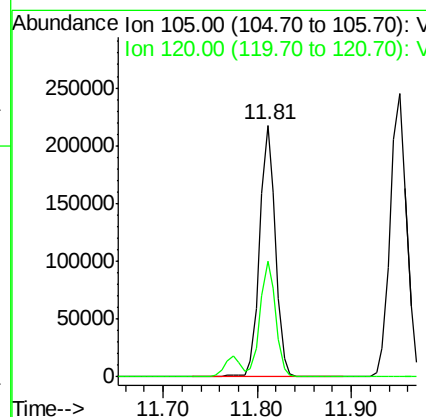
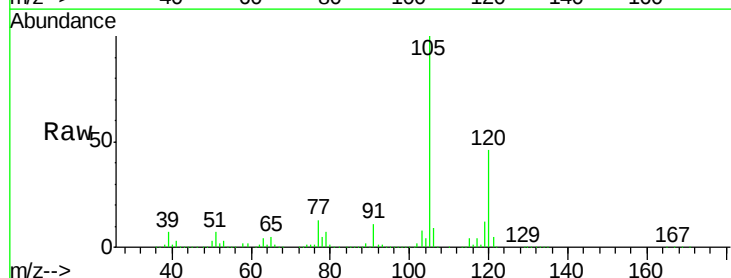
Manual Integrations
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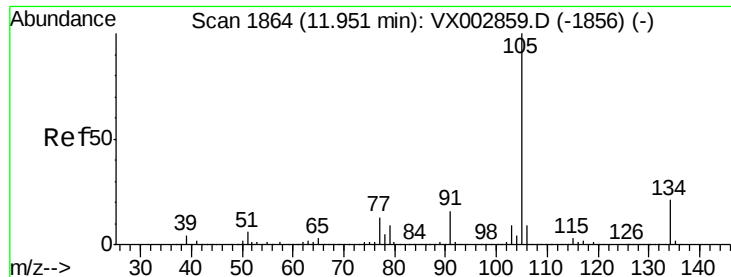
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#84
1,2,4-Trimethylbenzene
Concen: 20.23 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.3	66.8





#85

sec-Butylbenzene

Concen: 20.26 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion:105 Resp: 297819

Ion Ratio Lower Upper

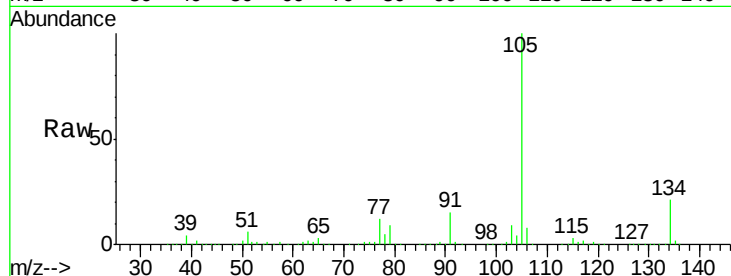
105 100

134 21.3 10.4 31.1

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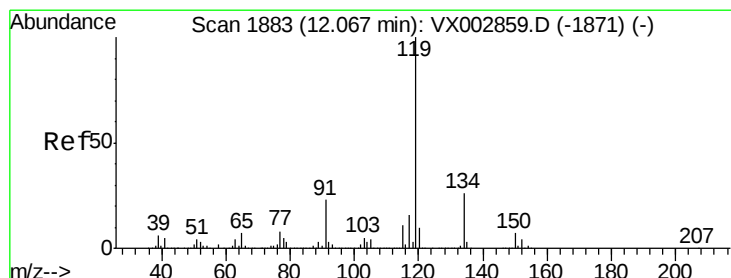
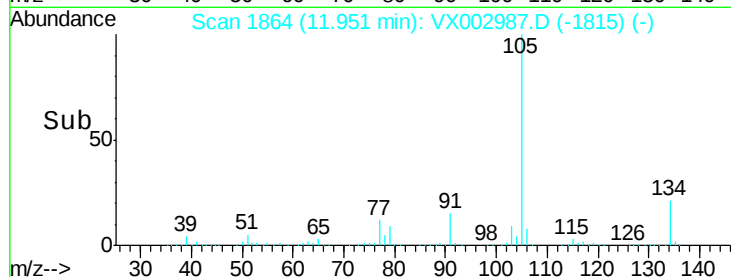
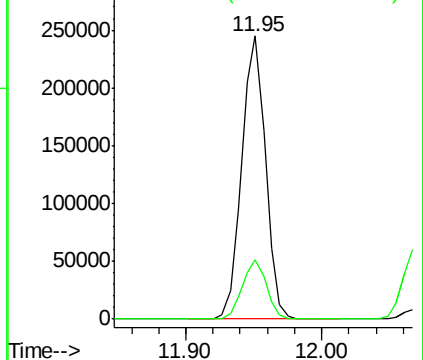
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.15 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

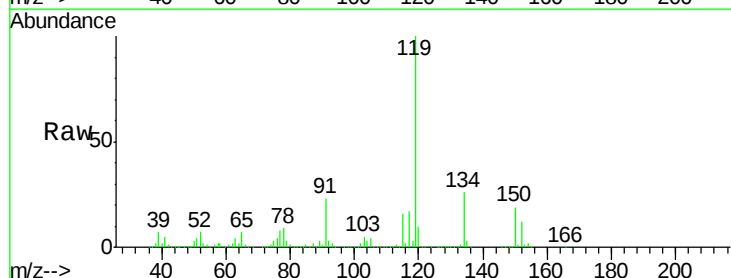
Tgt Ion:119 Resp: 266223

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

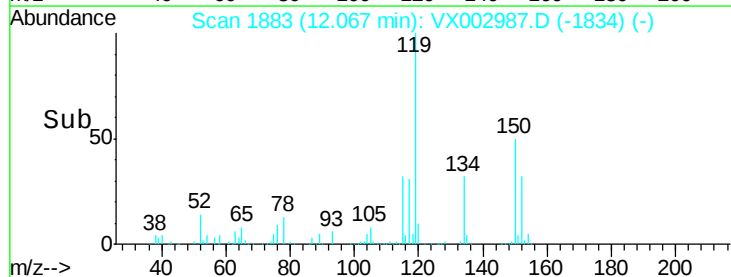
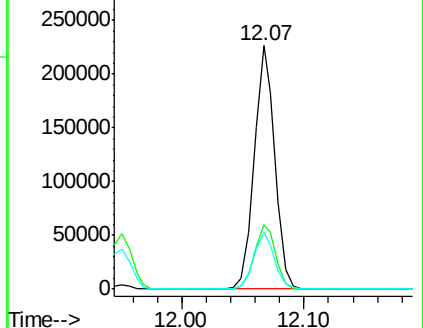
91 23.6 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.89 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion:146 Resp: 151016

Ion Ratio Lower Upper

146 100

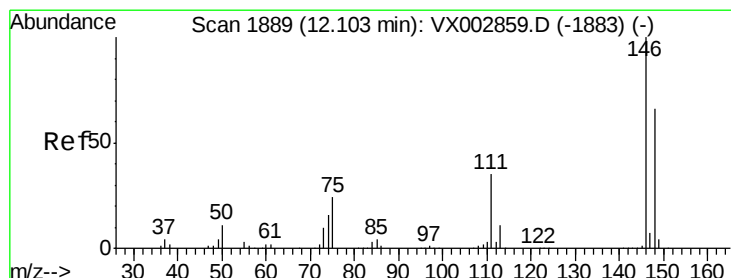
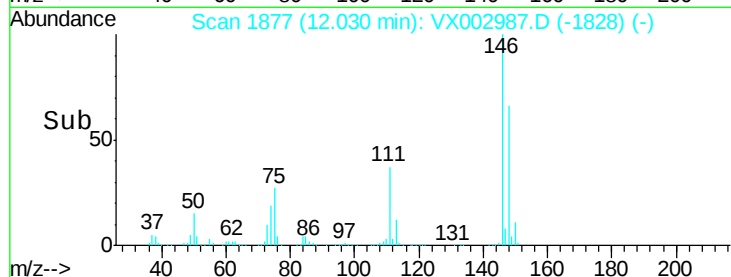
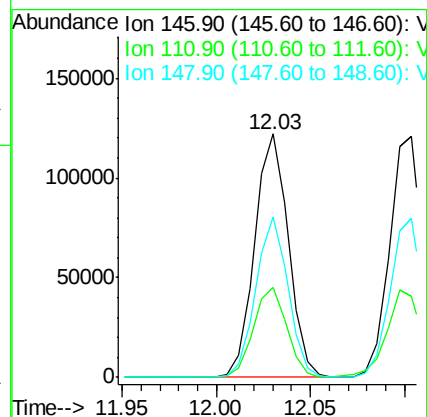
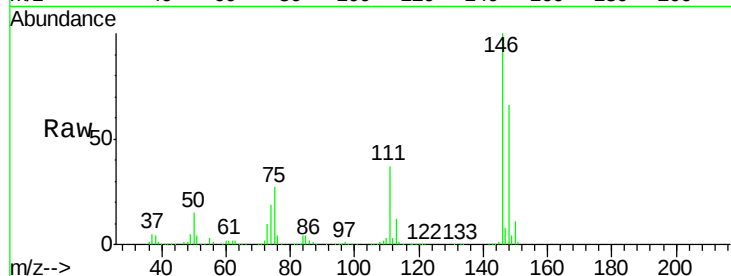
111 36.7 18.9 56.7

148 63.2 32.1 96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.53 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

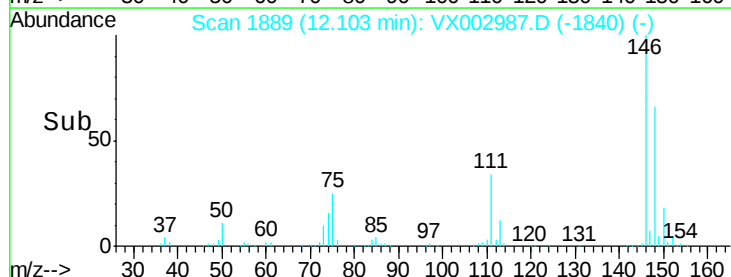
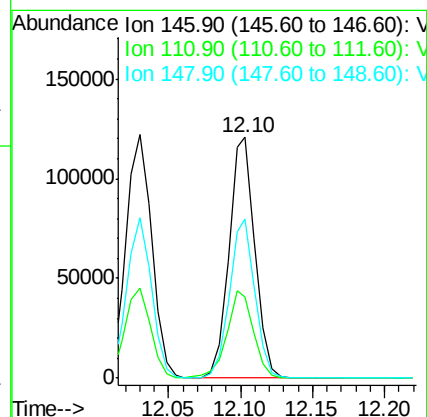
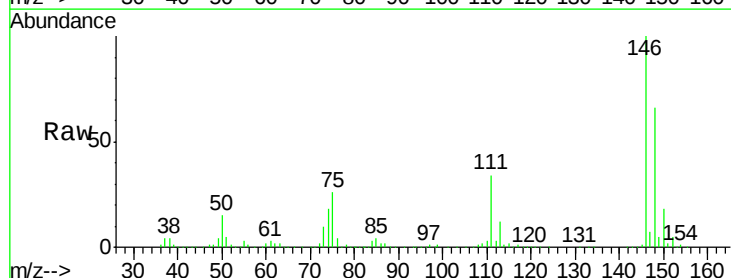
Tgt Ion:146 Resp: 152550

Ion Ratio Lower Upper

146 100

111 37.3 18.7 56.1

148 65.1 32.4 97.0





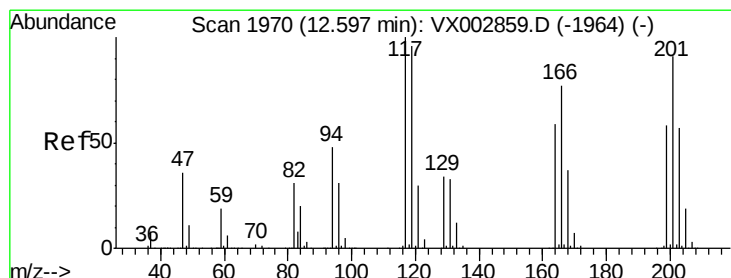
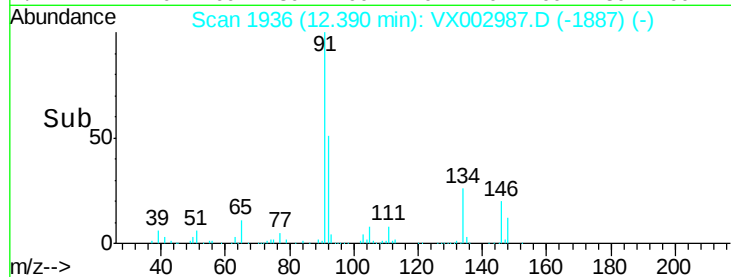
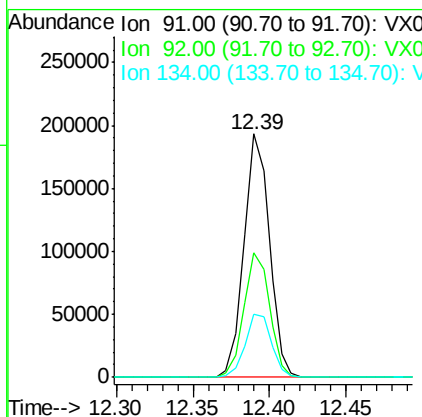
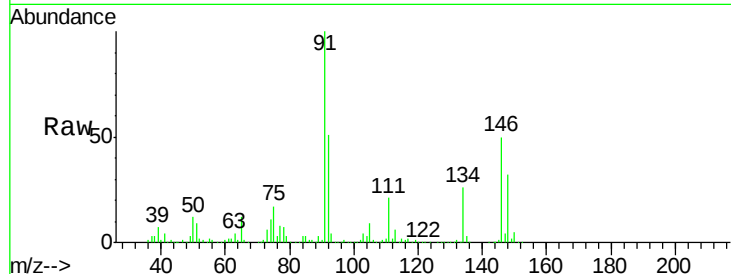
#89
n-Butylbenzene
Concen: 19.49 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	26.9	13.5	40.5

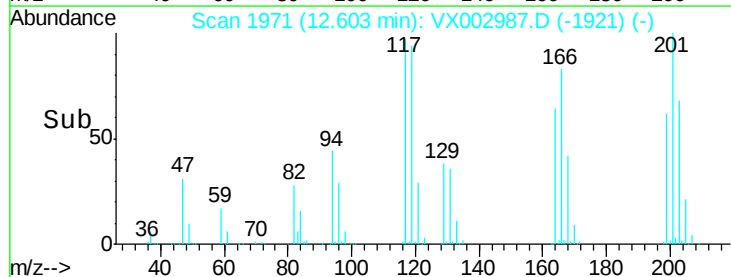
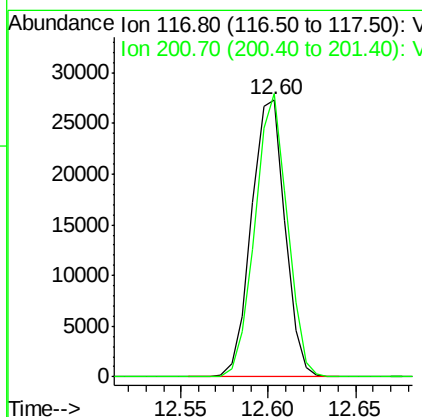
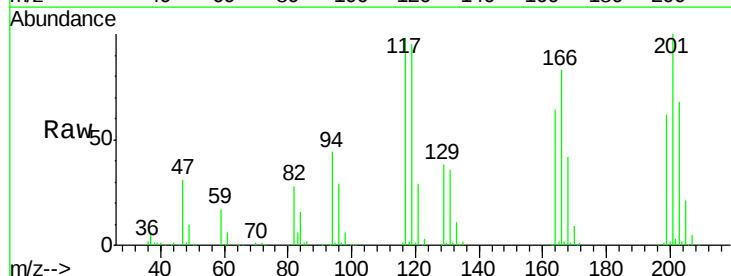
Manual Integrations
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#90
Hexachloroethane
Concen: 18.64 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.8	49.0	147.0





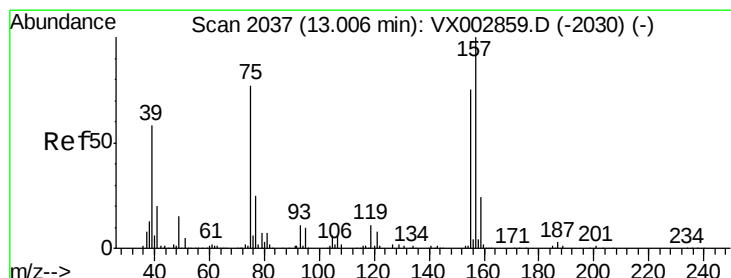
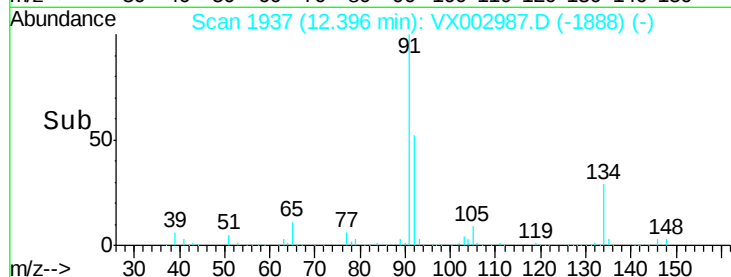
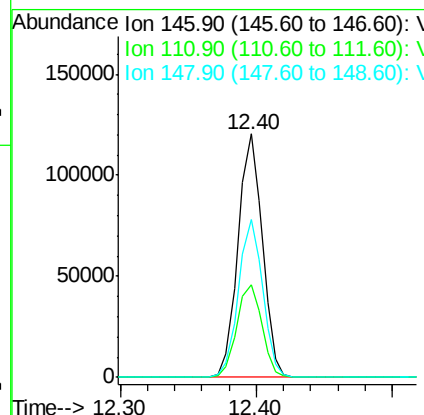
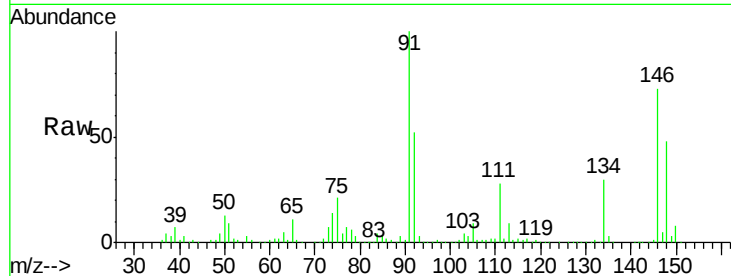
#91
 1,2-Dichlorobenzene
 Concen: 19.61 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	64.7	31.7	95.1

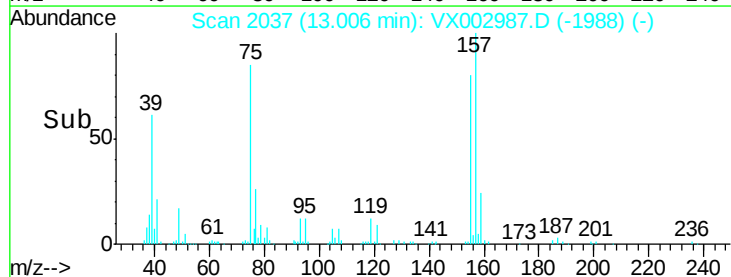
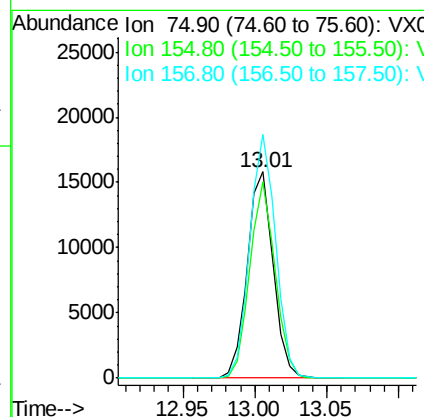
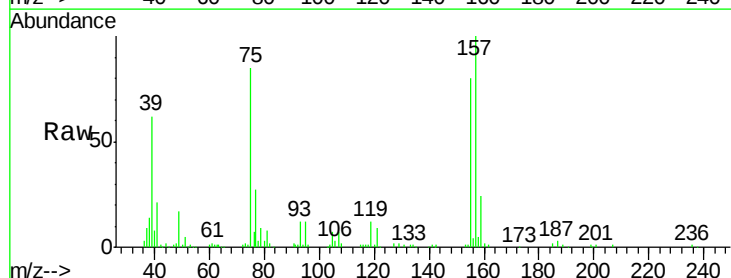
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.50 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	45.8	137.4
157	116.7	60.1	180.3





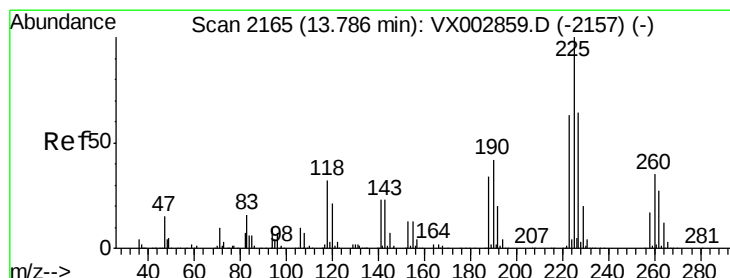
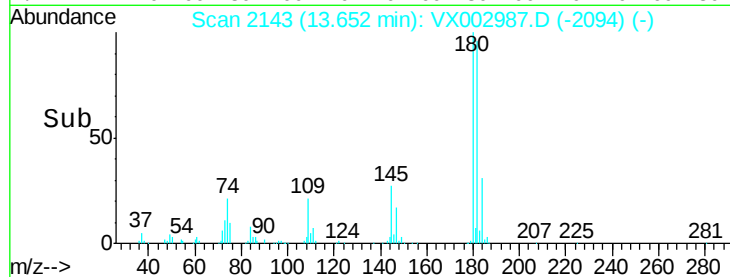
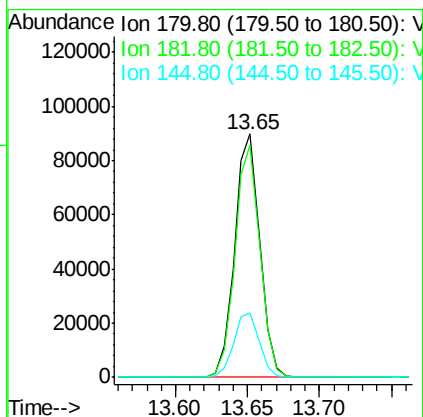
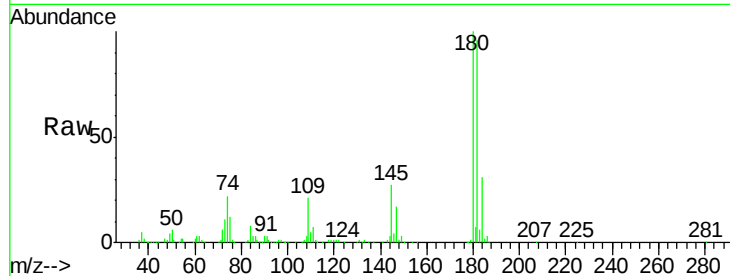
#93
 1,2,4-Trichlorobenzene
 Concen: 19.59 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109244		
182	94.8	47.7	143.1	
145	27.3	14.1	42.4	

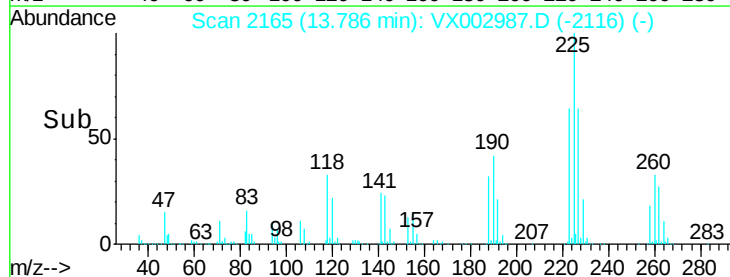
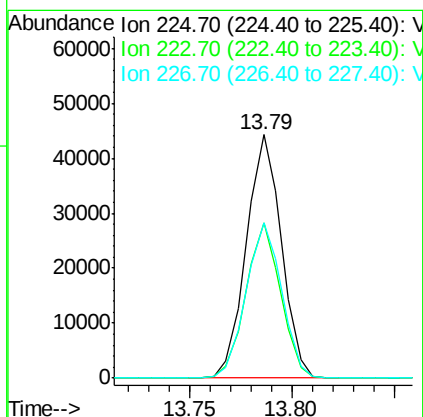
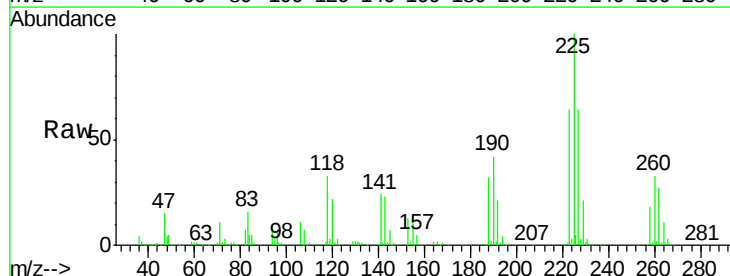
Manual Integrations
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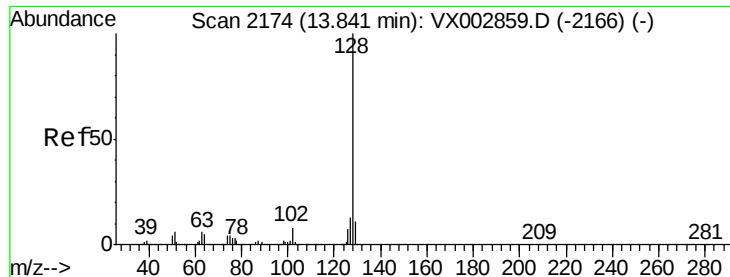
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#94
 Hexachlorobutadiene
 Concen: 19.06 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53025		
223	62.9	31.6	95.0	
227	64.8	32.4	97.2	





#95

Naphthalene

Concen: 20.33 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

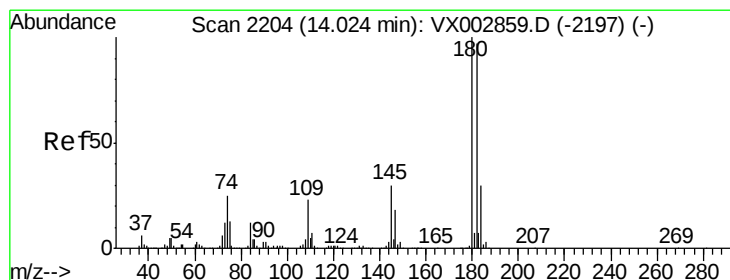
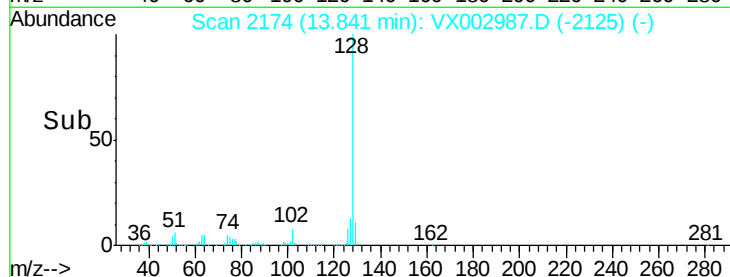
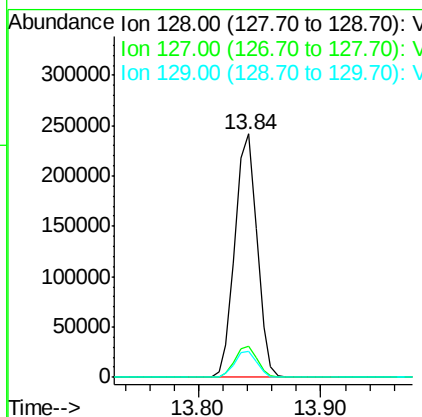
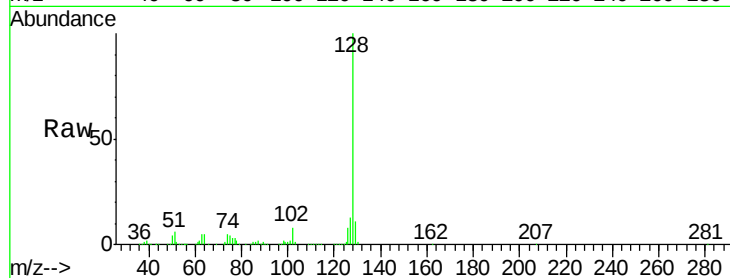
ClientSampleId :

VX0628WBSD01

Tot Ion:	128	Resp:	302010
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/29/2018 12:22:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.16 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Tgt Ion:	180	Resp:	112281
Ion Ratio		Lower	Upper
180	100		
182	96.4	48.0	144.0
145	29.4	14.8	44.3

