

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001893.D
 Acq On : 22 May 2018 15:10
 Operator : JC/MD
 Sample : VX0522WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:44 AM

Quant Time: May 23 01:43:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	395929	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	212400	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	5.51	113	177951	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
50) Toluene-d8	8.72	98	645639	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
62) 4-Bromofluorobenzene	11.14	95	218339	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61508	19.51	ug/l	99
3) Chloromethane	1.32	50	69210	20.32	ug/l	98
4) Vinyl Chloride	1.40	62	71111	19.31	ug/l	99
5) Bromomethane	1.64	94	36794	21.96	ug/l	97
6) Chloroethane	1.72	64	47566	20.51	ug/l	99
7) Trichlorofluoromethane	1.93	101	112780	21.08	ug/l	100
8) Diethyl Ether	2.19	74	45150	20.50	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69842	21.68	ug/l	99
10) Methyl Iodide	2.51	142	83549	28.19	ug/l	99
11) Tert butyl alcohol	3.08	59	85325	114.12	ug/l	99
12) 1,1-Dichloroethene	2.37	96	60395	19.45	ug/l	95
13) Acrolein	2.30	56	33264	62.73	ug/l	95
14) Allyl chloride	2.73	41	123995	21.60	ug/l	98
15) Acrylonitrile	3.15	53	207598	110.55	ug/l	99
16) Acetone	2.45	43	206993	125.14	ug/l	96
17) Carbon Disulfide	2.57	76	128762	15.90	ug/l	100
18) Methyl Acetate	2.78	43	118049	24.41	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	227303	21.72	ug/l	99
20) Methylene Chloride	2.85	84	71566	20.21	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	64812	18.95	ug/l	93
22) Diisopropyl ether	3.88	45	244308	22.19	ug/l	99
23) Vinyl Acetate	3.83	43	813629	102.56	ug/l	99
24) 1,1-Dichloroethane	3.70	63	130973	21.69	ug/l	99
25) 2-Butanone	4.71	43	307522	121.44	ug/l	99
26) 2,2-Dichloropropane	4.59	77	104344	21.46	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	81305	20.89	ug/l	96
28) Bromochloromethane	5.02	49	63077	23.51	ug/l	96
29) Tetrahydrofuran	5.17	42	189254	114.65	ug/l	98
30) Chloroform	5.22	83	141191	22.26	ug/l	97
31) Cyclohexane	5.57	56	111007	20.97	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	119973	21.89	ug/l	98
36) 1,1-Dichloropropene	5.80	75	95652	20.99	ug/l	99
37) Ethyl Acetate	4.87	43	111426	23.46	ug/l	99
38) Carbon Tetrachloride	5.79	117	108173	22.66	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	117937	22.15	ug/l	96
40) Benzene	6.15	78	301692	22.47	ug/l	99
41) Methacrylonitrile	5.07	41	64689	23.55	ug/l	97
42) 1,2-Dichloroethane	6.20	62	113889	23.45	ug/l	99
43) Isopropyl Acetate	6.48	43	172057	23.14	ug/l	99
44) Trichloroethene	7.22	130	91879	22.04	ug/l	98
45) 1,2-Dichloropropane	7.52	63	78764	23.90	ug/l	97
46) Dibromomethane	7.67	93	52514	22.70	ug/l	99
47) Bromodichloromethane	7.90	83	101758	23.70	ug/l	93
48) Methyl methacrylate	7.79	41	92407	23.62	ug/l	98
49) 1,4-Dioxane	7.76	88	39020	517.90	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	600867	127.54	ug/l	97
52) Toluene	8.79	92	198735	23.03	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	116525	23.07	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	98593	22.14	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	76693	23.25	ug/l	97
56) Ethyl methacrylate	9.19	69	111254	23.79	ug/l	96
57) 1,3-Dichloropropane	9.38	76	126625	22.93	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	298904	124.23	ug/l	99
59) 2-Hexanone	9.50	43	423858	125.68	ug/l	98
60) Dibromochloromethane	9.59	129	78664	23.29	ug/l	99
61) 1,2-Dibromoethane	9.68	107	77878	22.55	ug/l	100
64) Tetrachloroethene	9.34	164	102366	22.89	ug/l	99
65) Chlorobenzene	10.14	112	209891	22.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	78705	23.58	ug/l	100
67) Ethyl Benzene	10.26	91	341587	22.62	ug/l	99
68) m/p-Xylenes	10.37	106	272867	45.79	ug/l	99
69) o-Xylene	10.70	106	132314	23.19	ug/l	100
70) Styrene	10.72	104	218508	23.22	ug/l	100
71) Bromoform	10.87	173	63270	22.10	ug/l #	100
73) Isopropylbenzene	11.02	105	361096	24.44	ug/l	100
74) N-amyl acetate	6.48	43	172057	24.29	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	107684	24.30	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	105724m	24.78	ug/l	
77) Bromobenzene	11.26	156	100804	23.22	ug/l	99
78) n-propylbenzene	11.37	91	398489	23.94	ug/l	100
79) 2-Chlorotoluene	11.43	91	241476	24.26	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	302161	24.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	28313	21.78	ug/l	91
82) 4-Chlorotoluene	11.52	91	275292	23.48	ug/l	99
83) tert-Butylbenzene	11.77	119	297379	24.66	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	310982	24.78	ug/l	100
85) sec-Butylbenzene	11.95	105	364717	24.50	ug/l	99
86) p-Isopropyltoluene	12.07	119	334330	24.27	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	184354	22.96	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	187292	22.56	ug/l	99
89) n-Butylbenzene	12.40	91	266331	22.35	ug/l	100
90) Hexachloroethane	12.60	117	52897	24.72	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	185119	23.14	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	23697	25.05	ug/l	96

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ClientSampleId :
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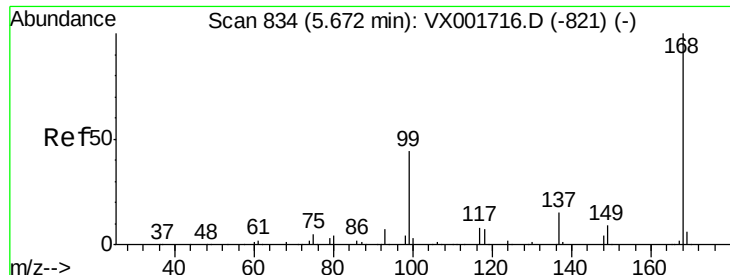
Manual Integrations
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5/24/2018 11:47:44 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	138273	21.69	ug/l	100
94) Hexachlorobutadiene	13.79	225	77841	22.74	ug/l	99
95) Naphthalene	13.84	128	384217	23.18	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	143054	22.28	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion:168 Resp: 314180

Ion Ratio Lower Upper

168 100

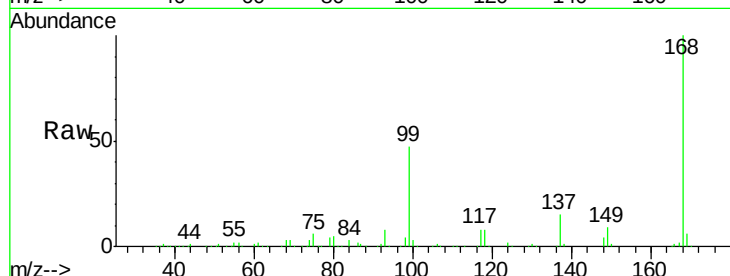
99 47.1 35.0 52.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

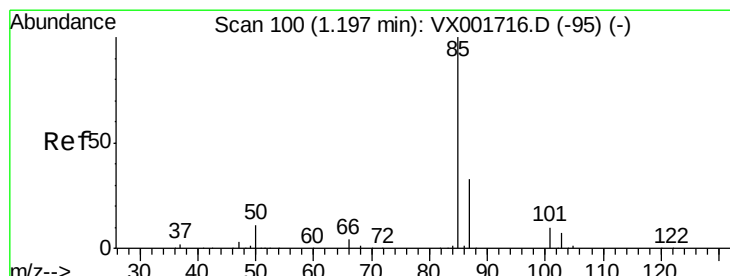
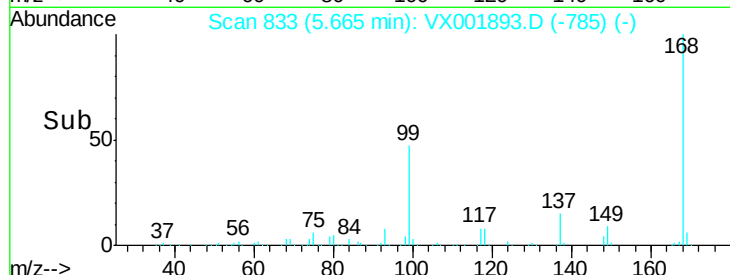
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.51 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001893.D

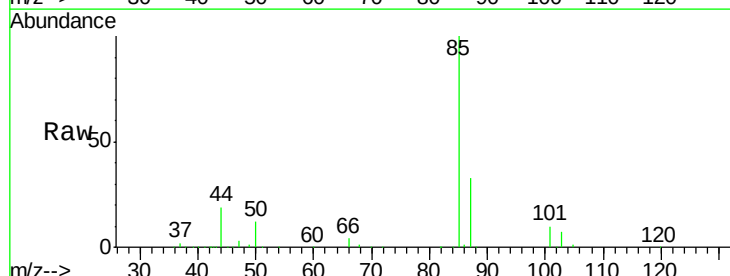
Acq: 22 May 2018 15:10

Tgt Ion: 85 Resp: 61508

Ion Ratio Lower Upper

85 100

87 33.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

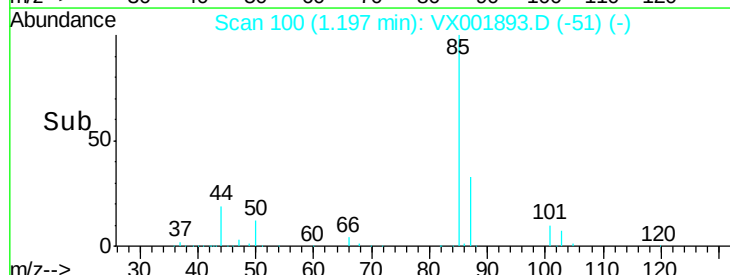
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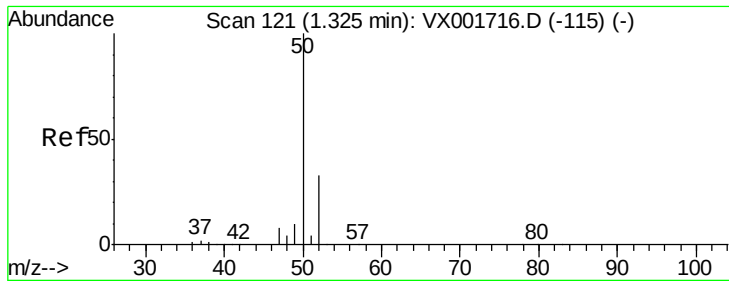
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.32 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion: 50 Resp: 69210

Ion Ratio Lower Upper

50 100

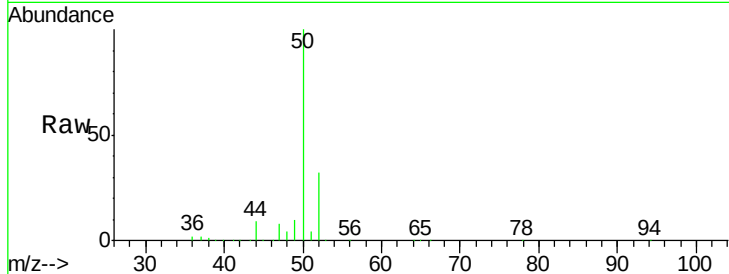
52 31.8 26.3 39.5

Manual Integrations

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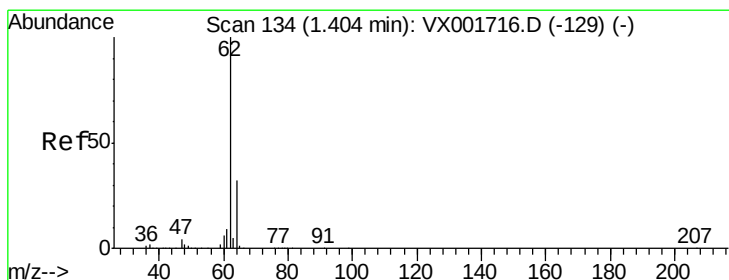
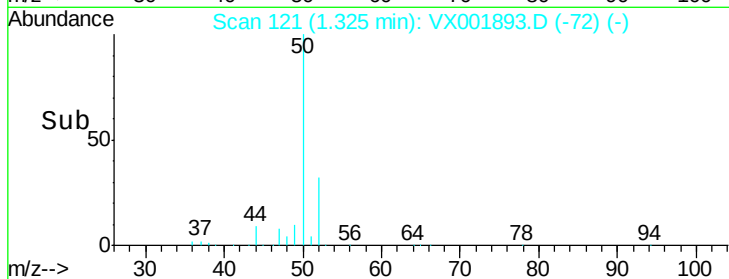
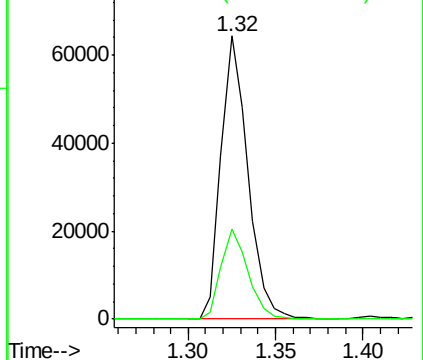
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.31 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001893.D

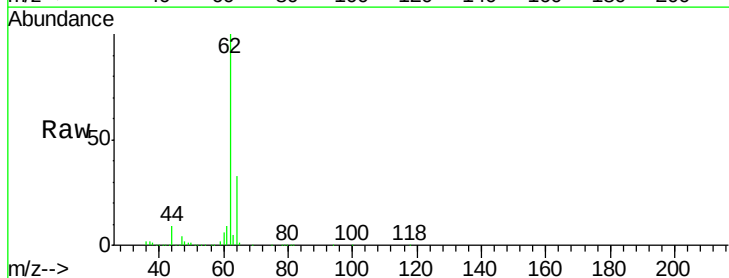
Acq: 22 May 2018 15:10

Tgt Ion: 62 Resp: 71111

Ion Ratio Lower Upper

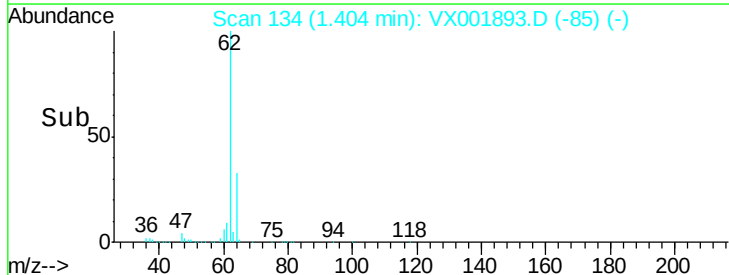
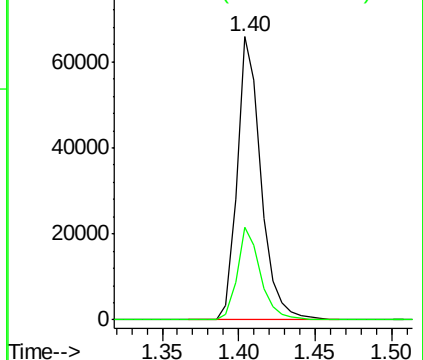
62 100

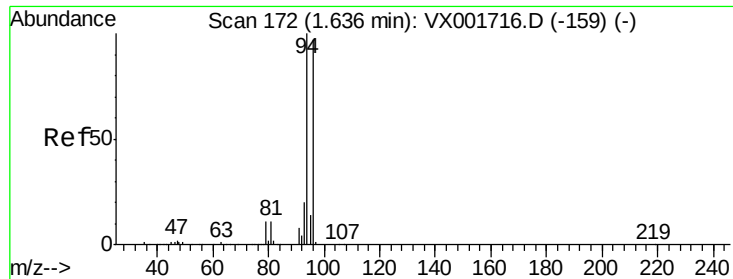
64 32.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.96 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion: 94 Resp: 36794

Ion Ratio Lower Upper

94 100

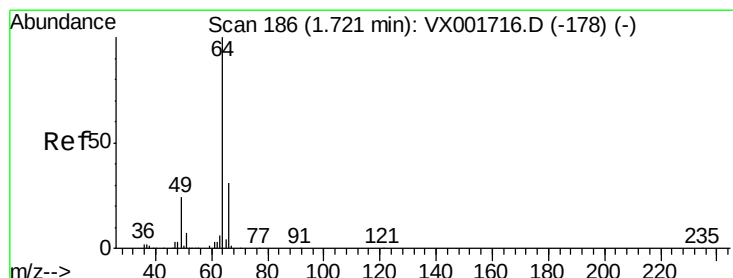
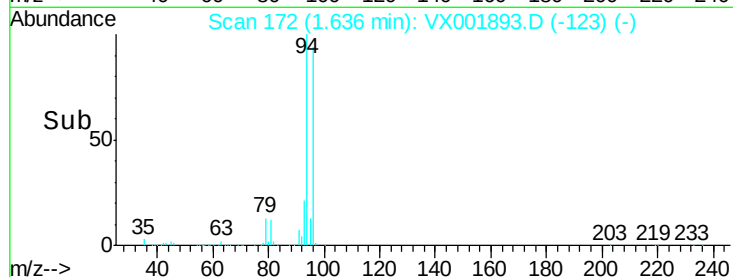
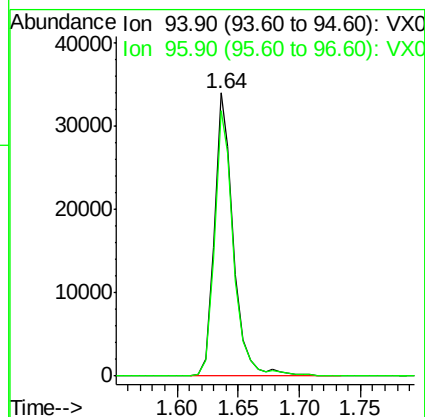
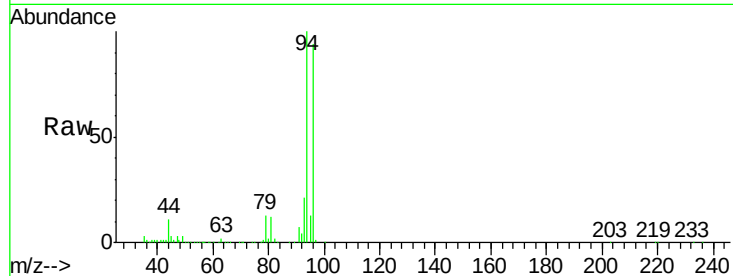
96 93.8 77.4 116.0

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#6

Chloroethane

Concen: 20.51 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001893.D

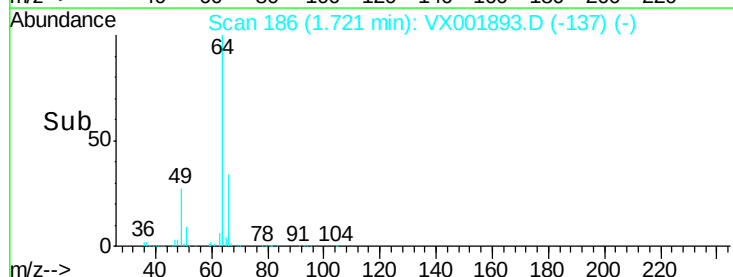
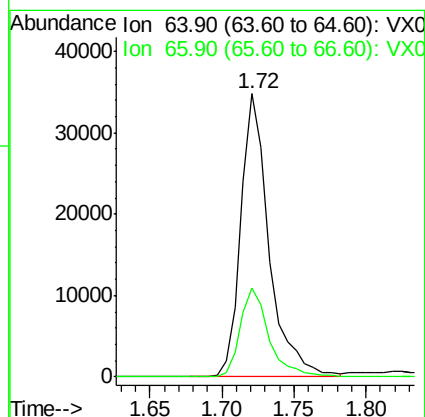
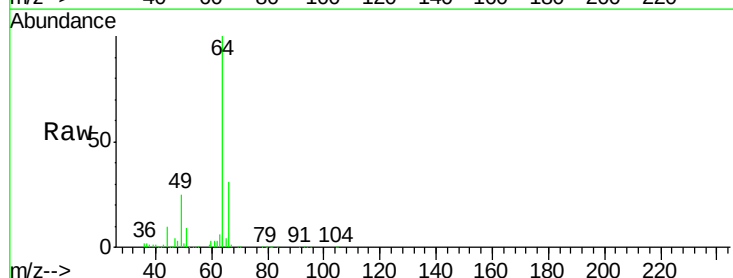
Acq: 22 May 2018 15:10

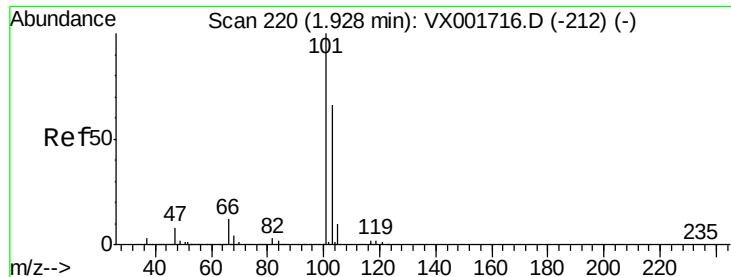
Tgt Ion: 64 Resp: 47566

Ion Ratio Lower Upper

64 100

66 31.2 25.2 37.8





#7

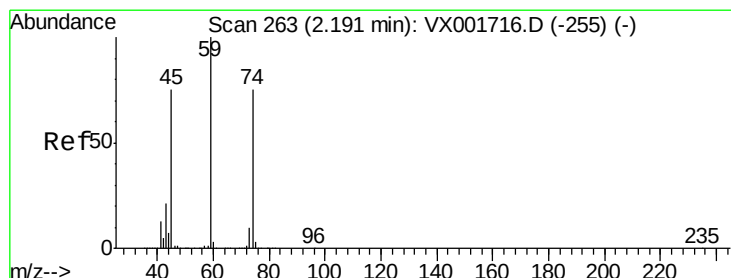
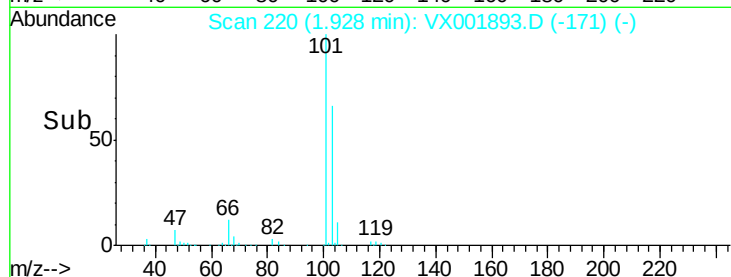
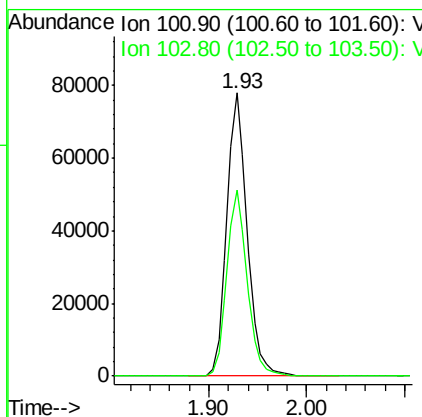
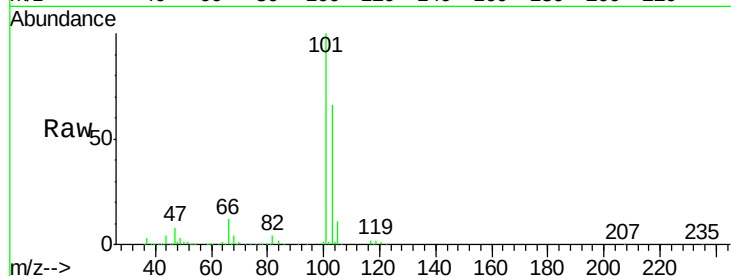
Trichlorofluoromethane
 Concen: 21.08 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

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 VX0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	112780		
103	65.6	52.6	78.8	

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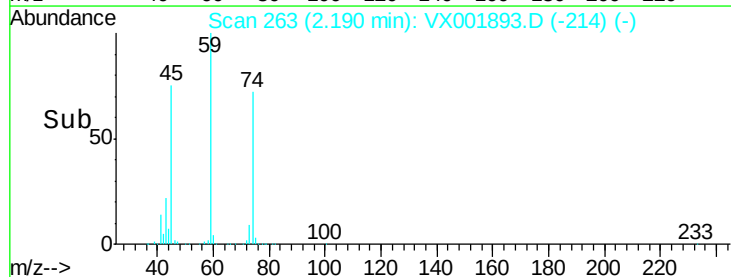
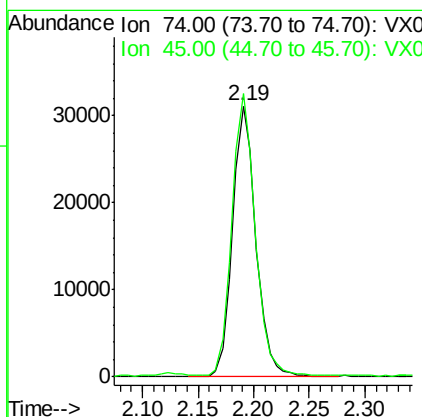
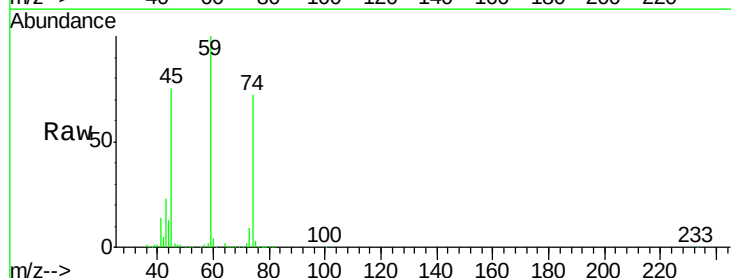
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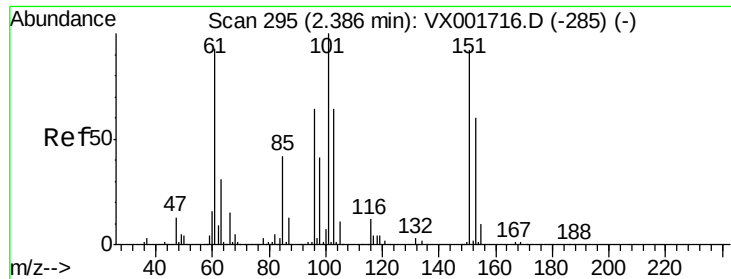


#8

Diethyl Ether
 Concen: 20.50 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	45150		
45	104.0	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.68 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

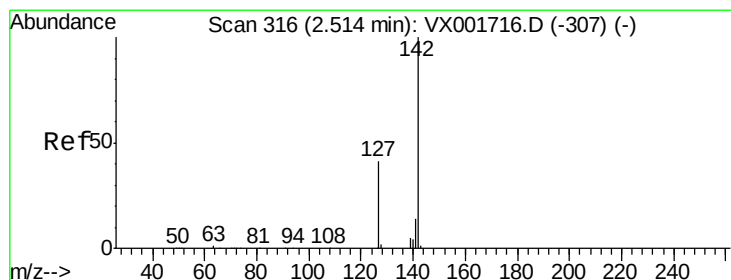
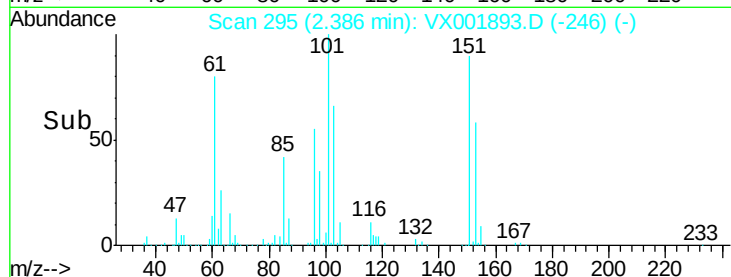
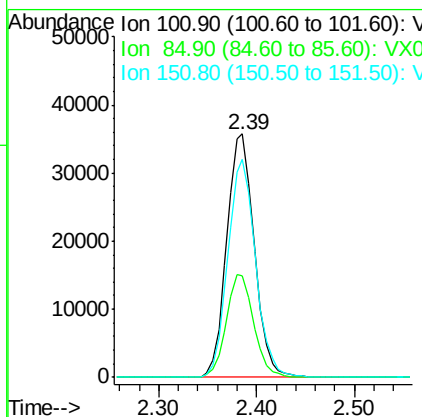
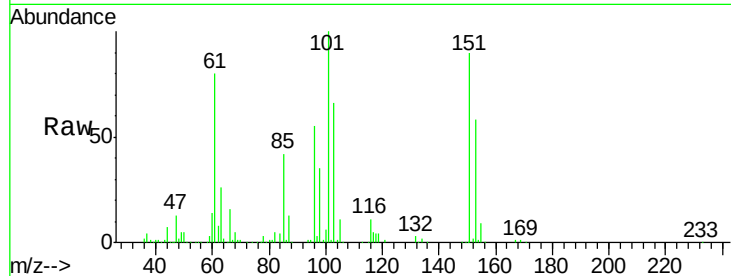
ClientSampleId :

VX0522WBS01

Tot Ion:	101	Resp:	69842
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.7	50.5
151	89.8	73.0	109.6

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#10

Methyl Iodide

Concen: 28.19 ug/l

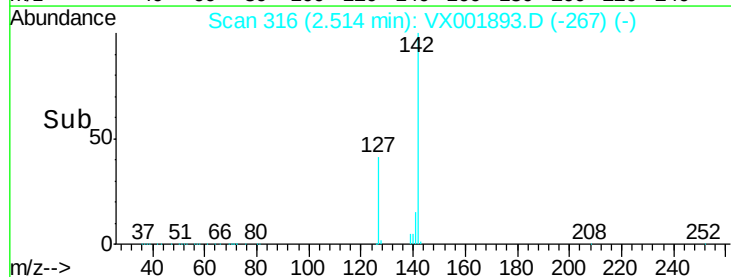
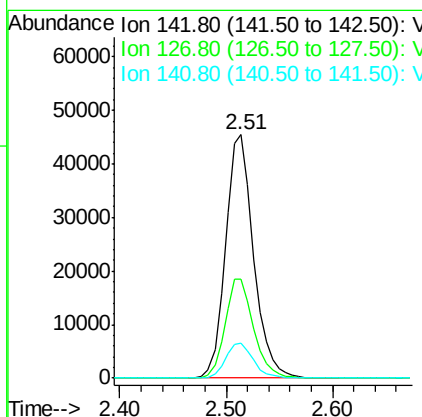
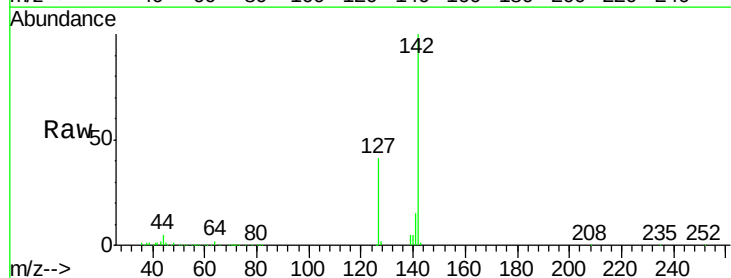
RT: 2.51 min Scan# 316

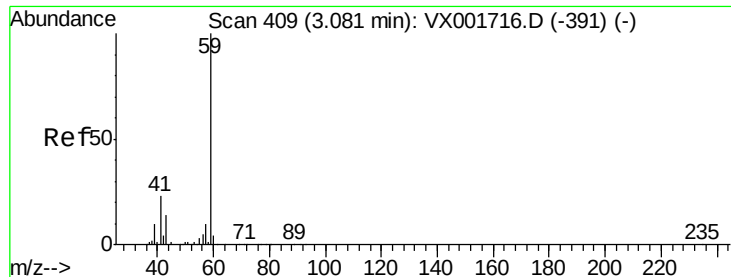
Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Tgt Ion:	142	Resp:	83549
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.5	48.7
141	14.4	11.4	17.0





#11

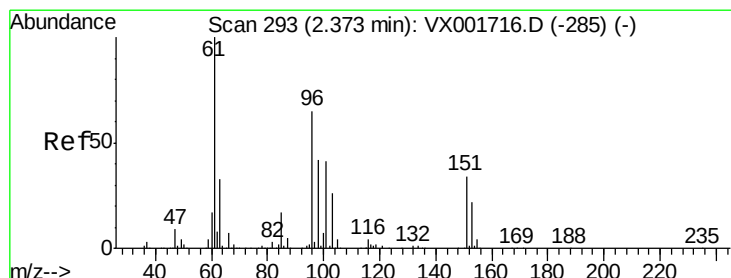
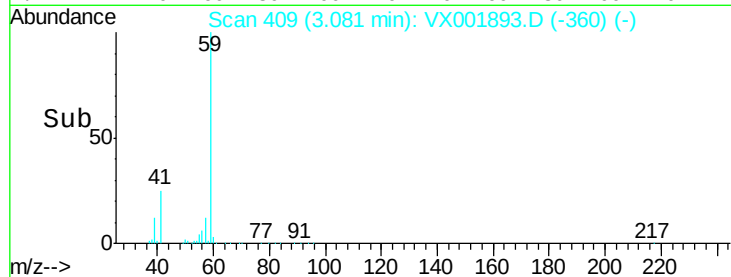
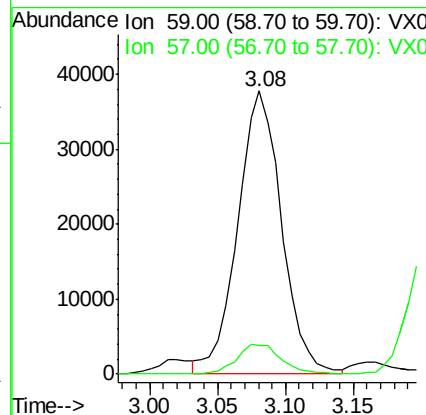
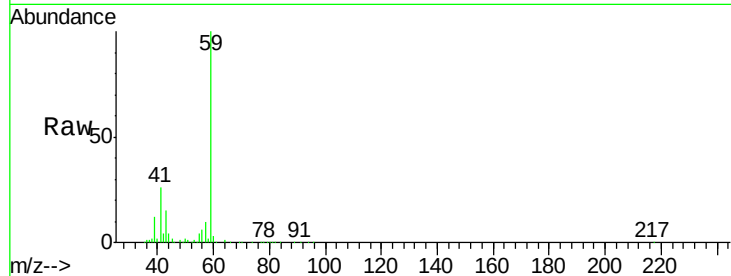
Tert butyl alcohol
 Concen: 114.12 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Instrument :
 MSVOA_X
 ClientSampled :
 VX0522WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7

Manual Integrations
 APPROVED

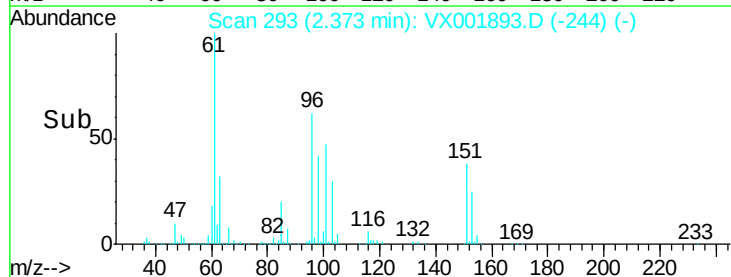
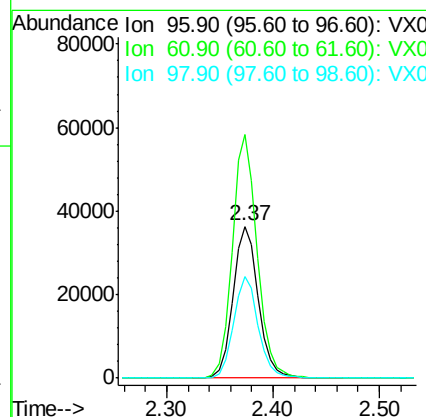
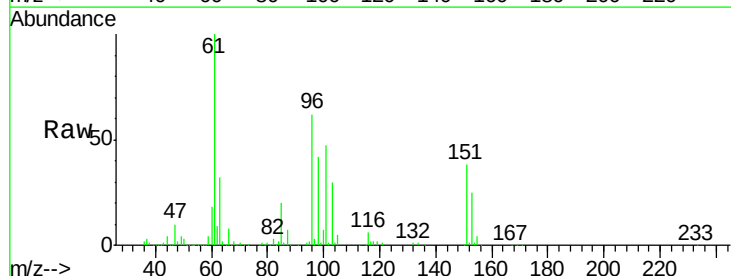
MMDadoda
 5/24/2018 11:47:44 AM

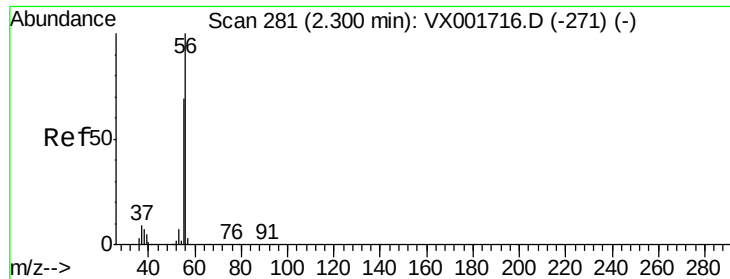


#12

1,1-Dichloroethene
 Concen: 19.45 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	122.2	183.2
98	66.7	51.4	77.0





#13

Acrolein

Concen: 62.73 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion: 56 Resp: 33264

Ion Ratio Lower Upper

56 100

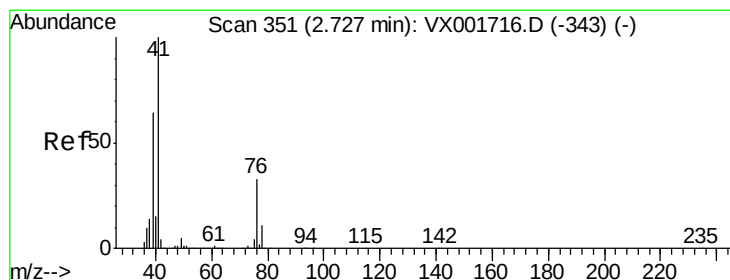
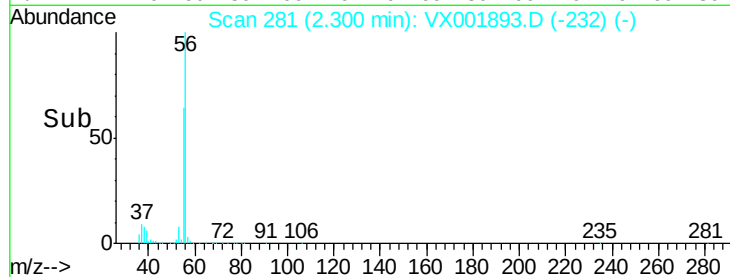
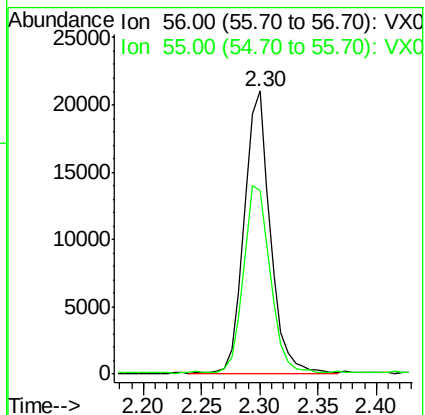
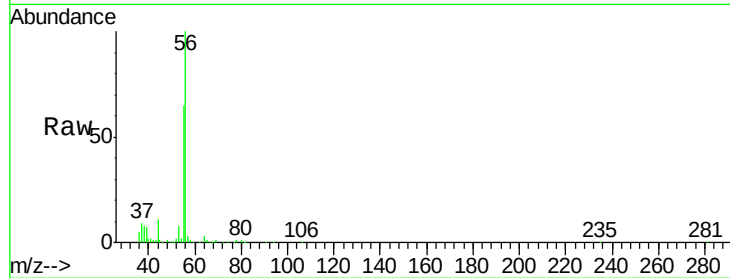
55 66.5 56.2 84.2

Manual Integrations

APPROVED

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5/24/2018 11:47:44 AM



#14

Allyl chloride

Concen: 21.60 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

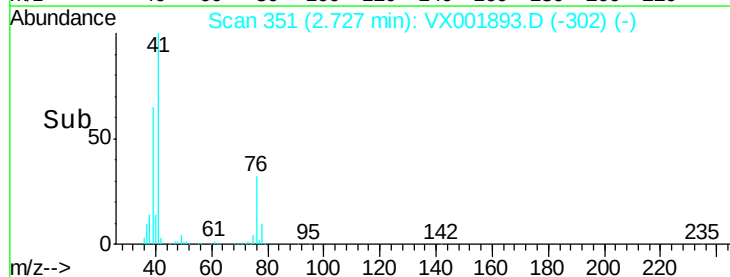
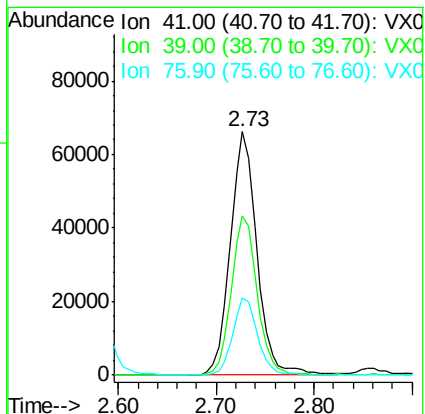
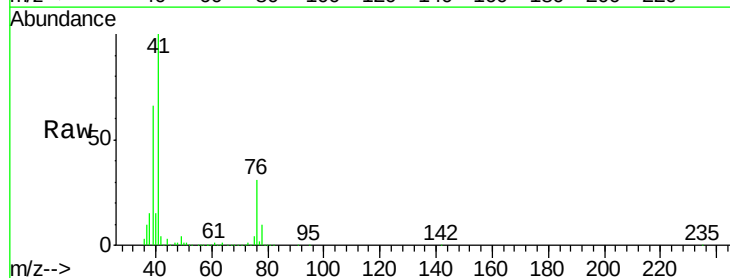
Tgt Ion: 41 Resp: 123995

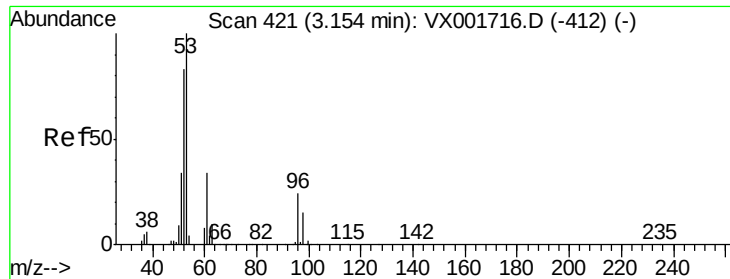
Ion Ratio Lower Upper

41 100

39 63.0 49.8 74.6

76 30.0 25.8 38.8





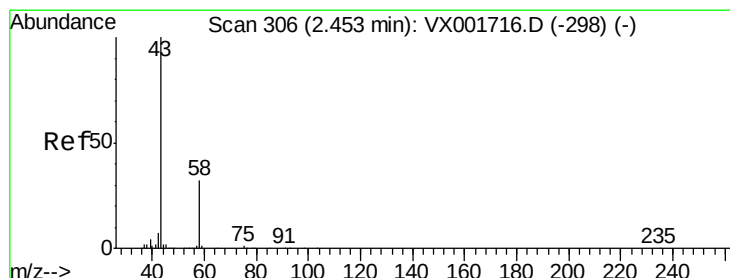
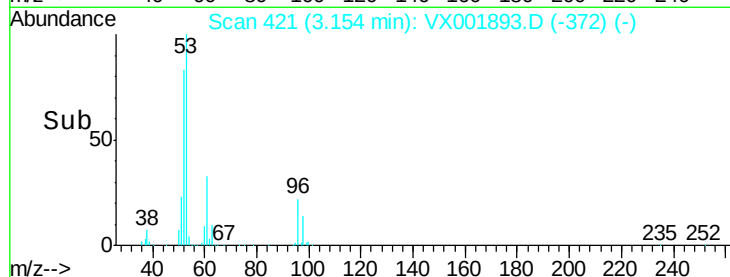
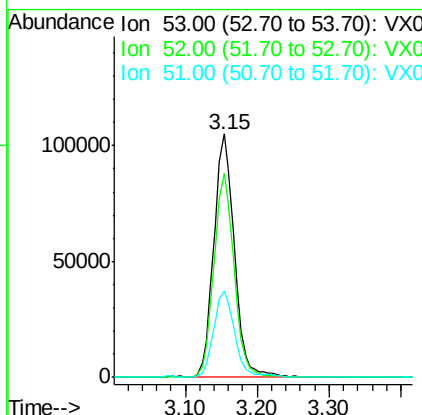
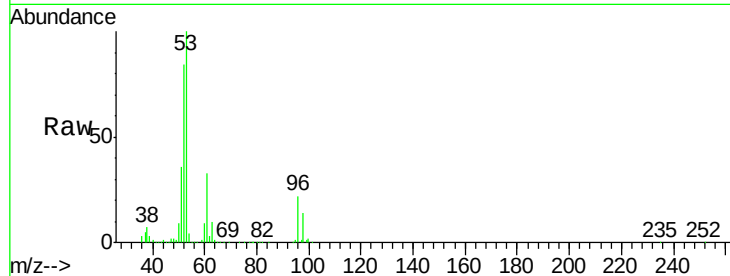
#15
 Acrylonitrile
 Concen: 110.55 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Tot Ion:	53	Resp:	207598
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.6	98.4
51	36.3	28.1	42.1

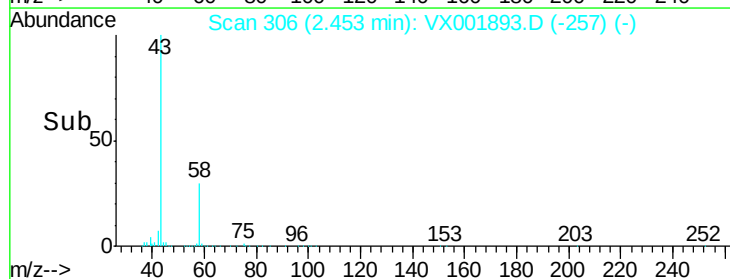
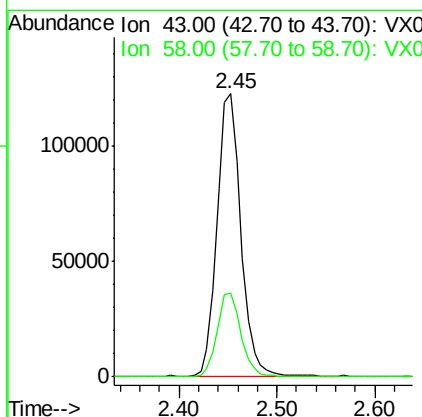
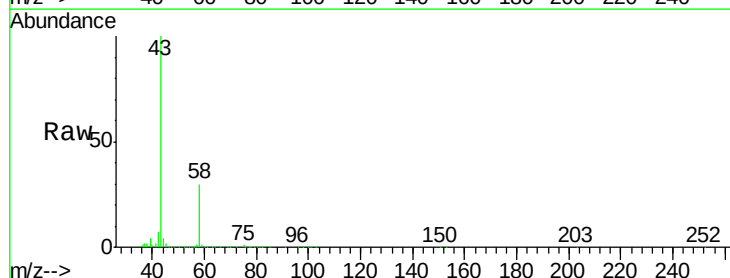
Manual Integrations
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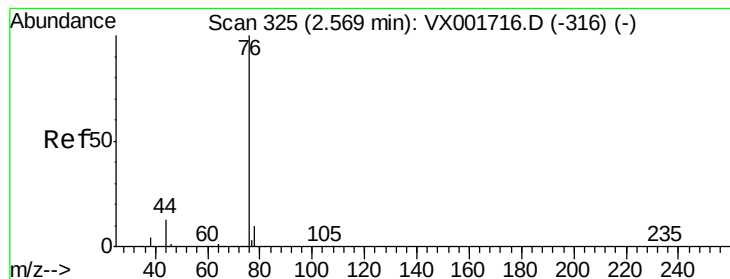
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#16
 Acetone
 Concen: 125.14 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Tgt Ion:	43	Resp:	206993
Ion Ratio	Lower	Upper	
43	100		
58	29.6	25.3	37.9





#17

Carbon Disulfide

Concen: 15.90 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion: 76 Resp: 128762

Ion Ratio Lower Upper

76 100

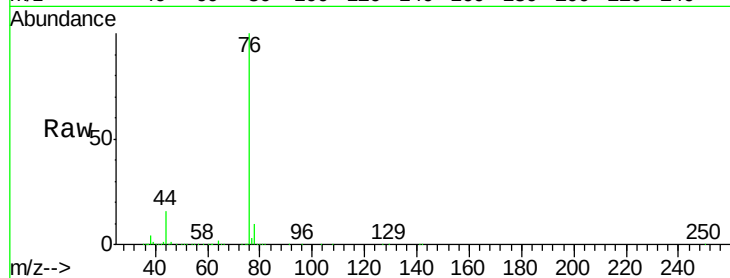
78 9.5 7.6 11.4

Manual Integrations

APPROVED

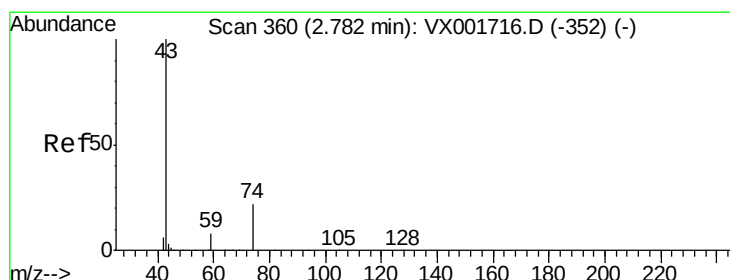
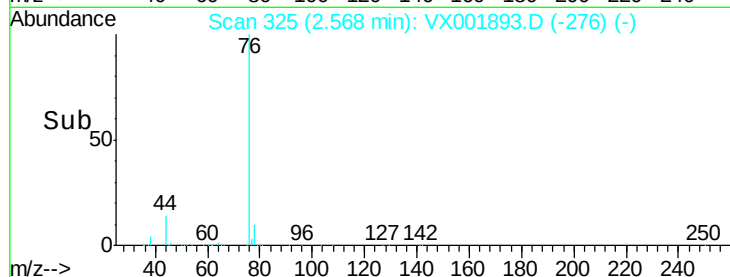
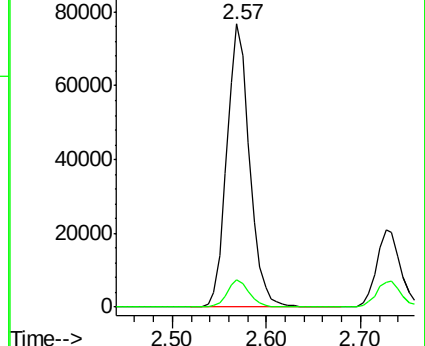
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 24.41 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001893.D

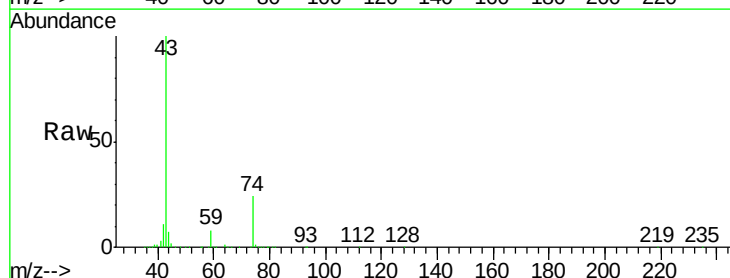
Acq: 22 May 2018 15:10

Tgt Ion: 43 Resp: 118049

Ion Ratio Lower Upper

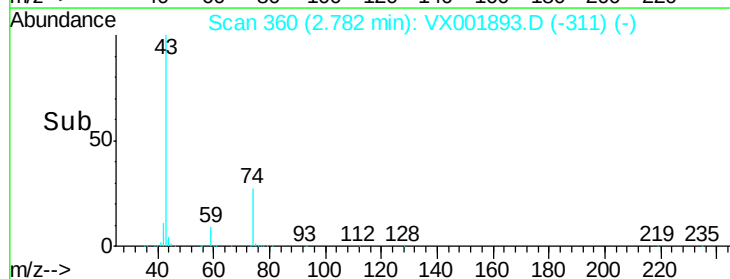
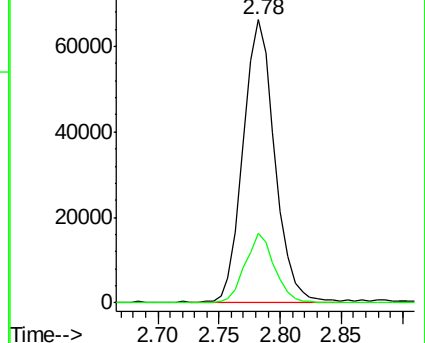
43 100

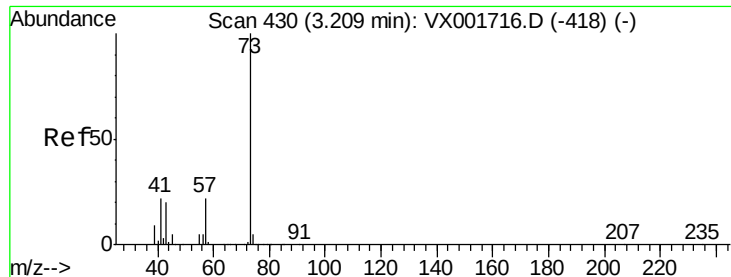
74 22.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





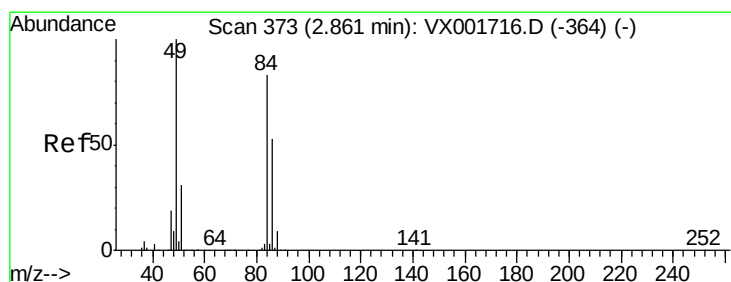
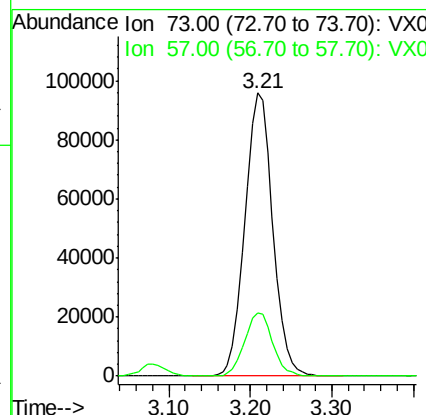
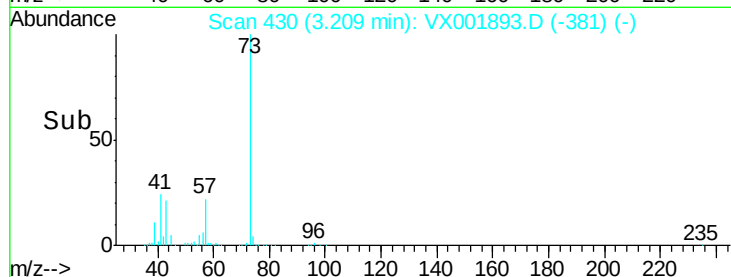
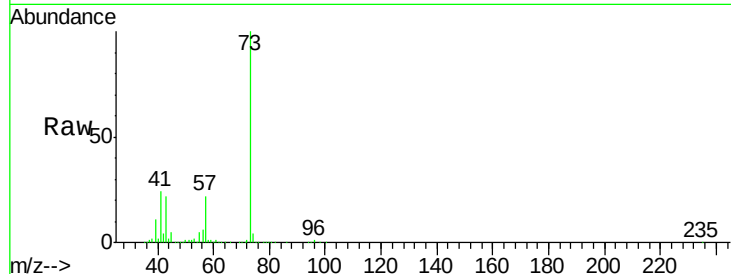
#19
Methyl tert-butyl Ether
Concen: 21.72 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.5	26.3

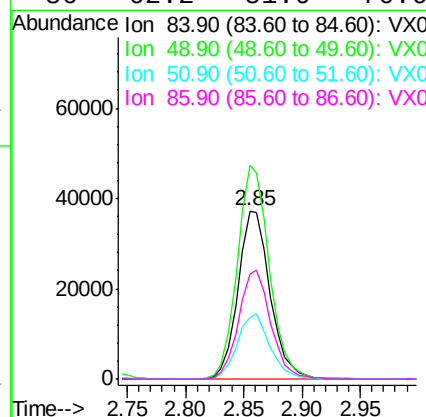
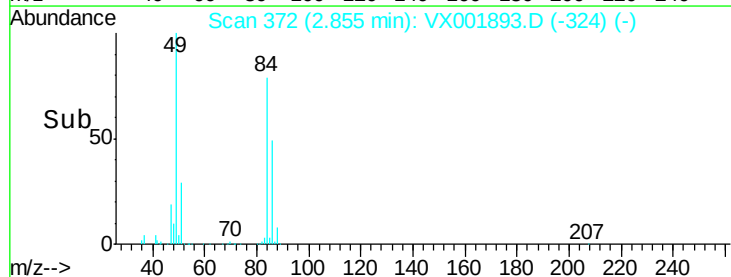
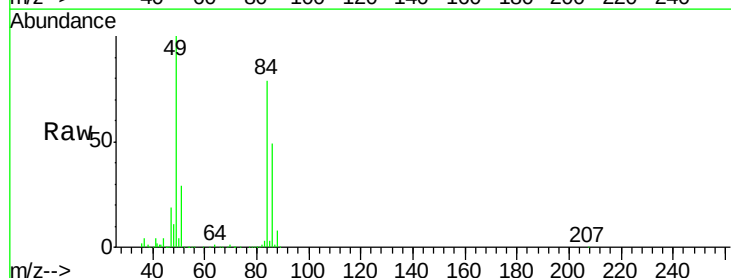
Manual Integrations
APPROVED

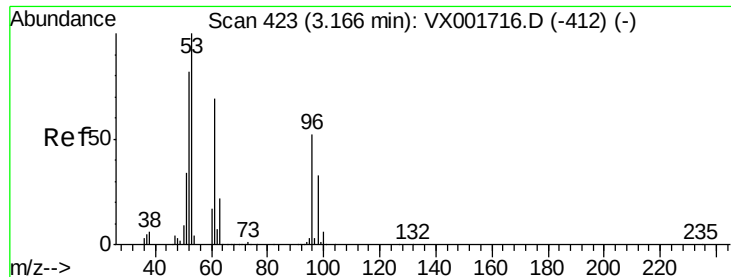
MMDadoda
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#20
Methylene Chloride
Concen: 20.21 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.0	96.3	144.5
51	36.3	29.8	44.6
86	62.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.95 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

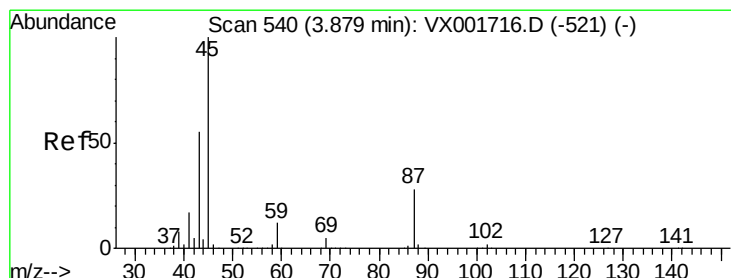
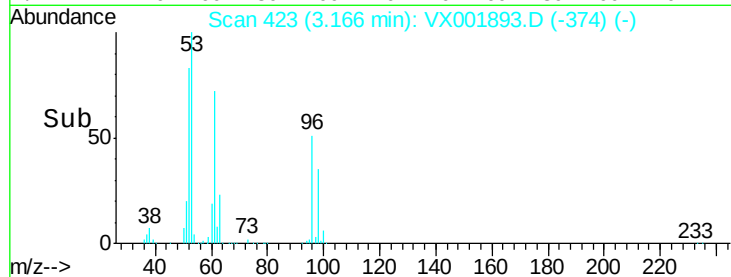
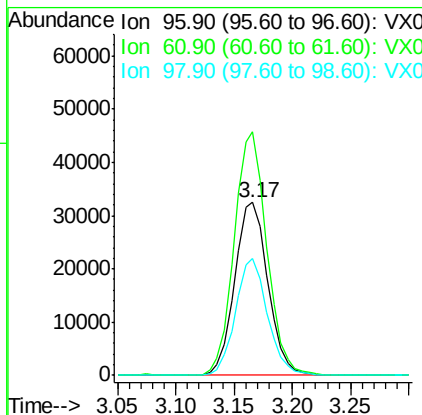
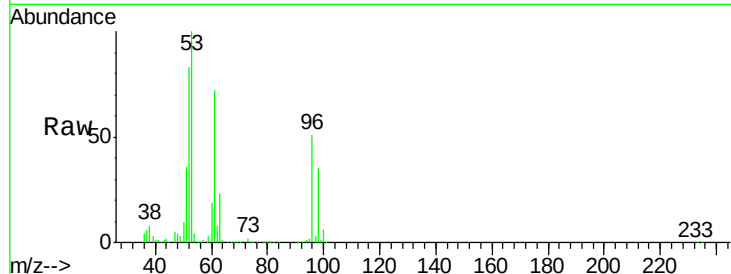
ClientSampleId :

VX0522WBS01

Tot Ion:	96	Resp:	64812
Ion	Ratio	Lower	Upper
96	100		
61	140.8	105.8	158.8
98	67.6	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.19 ug/l

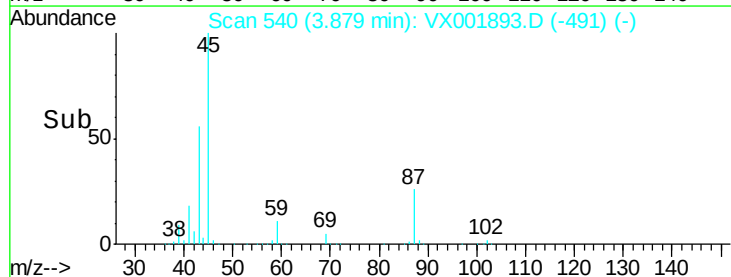
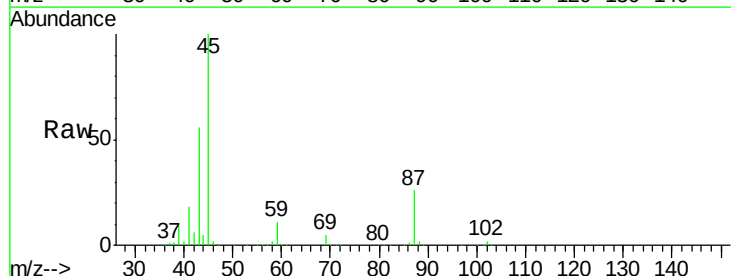
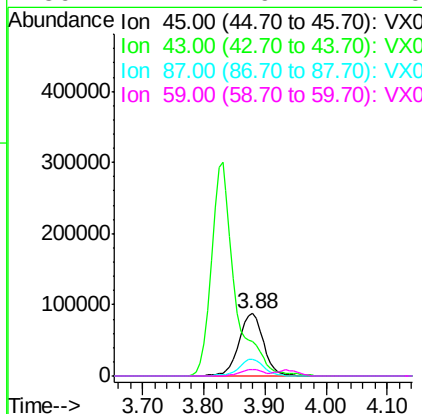
RT: 3.88 min Scan# 540

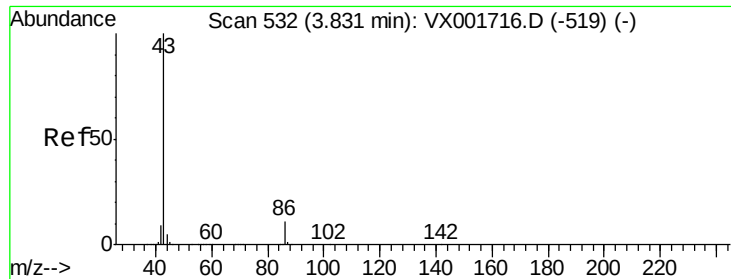
Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Tgt Ion:	45	Resp:	244308
Ion	Ratio	Lower	Upper
45	100		
43	55.5	44.3	66.5
87	26.0	22.6	33.8
59	11.4	9.4	14.0





#23

Vinyl Acetate

Concen: 102.56 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion: 43 Resp: 813629

Ion Ratio Lower Upper

43 100

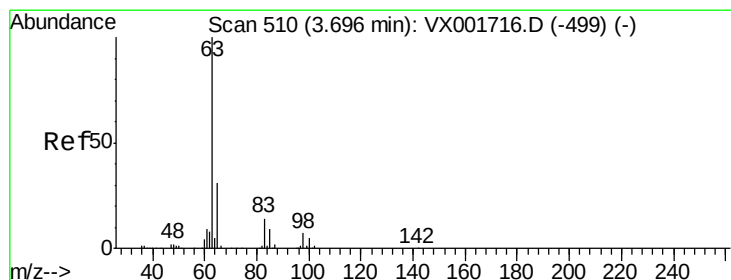
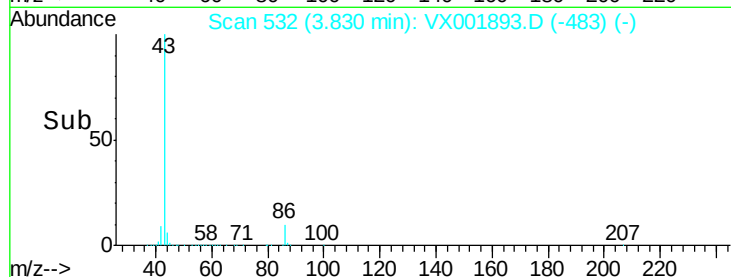
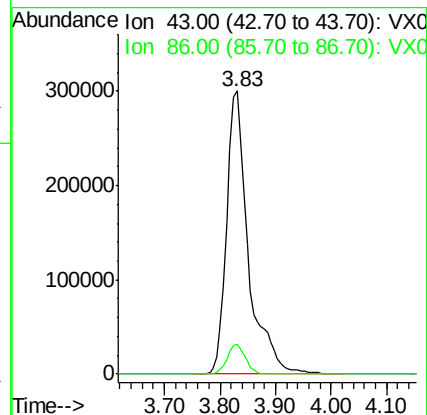
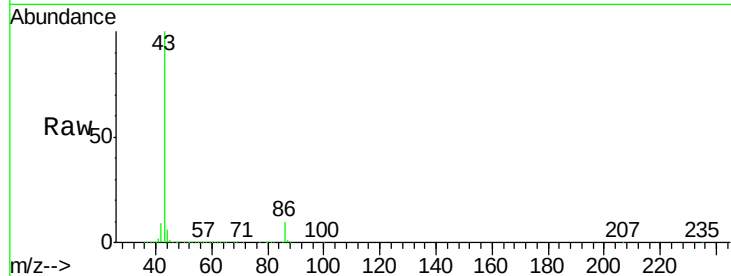
86 10.4 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.69 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

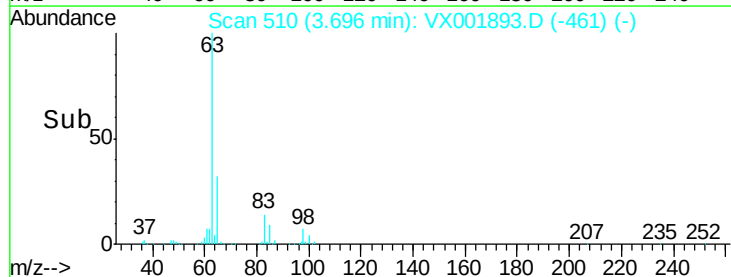
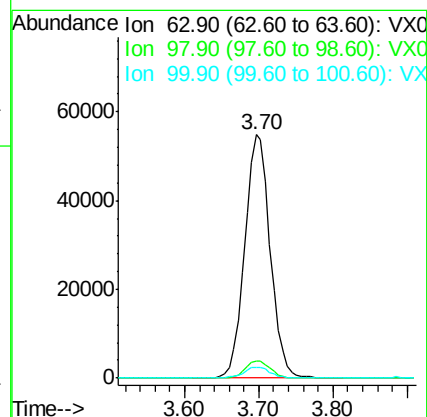
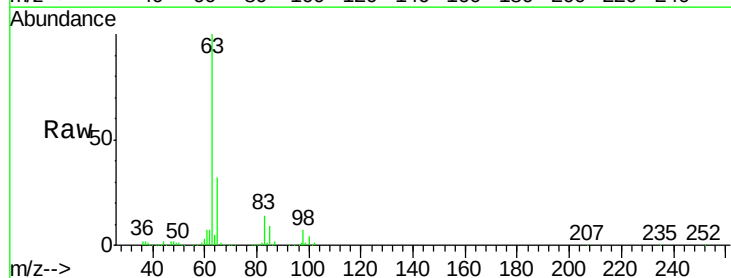
Tgt Ion: 63 Resp: 130973

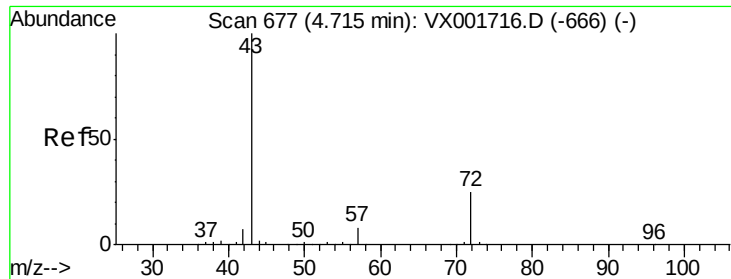
Ion Ratio Lower Upper

63 100

98 6.9 3.7 11.1

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 121.44 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion: 43 Resp: 307522

Ion Ratio Lower Upper

43 100

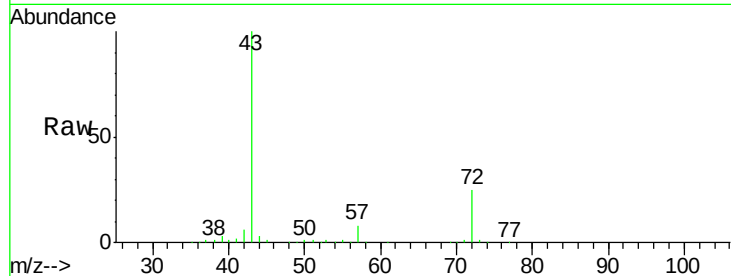
72 25.4 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

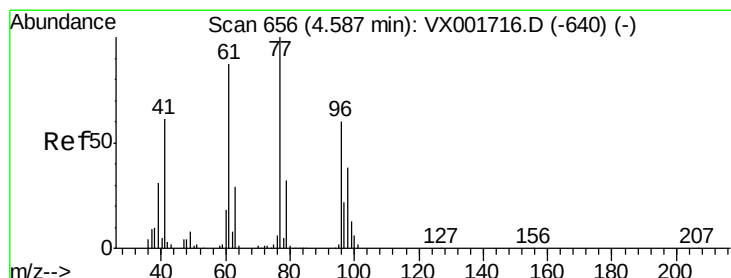
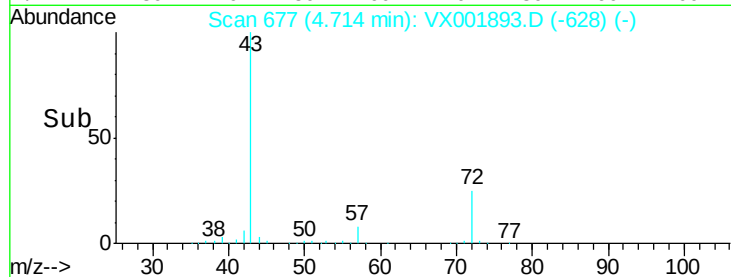
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 21.46 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001893.D

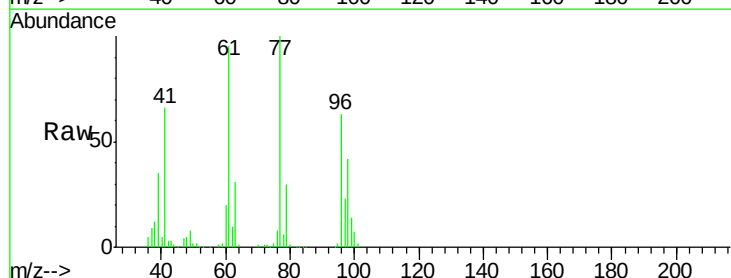
Acq: 22 May 2018 15:10

Tgt Ion: 77 Resp: 104344

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

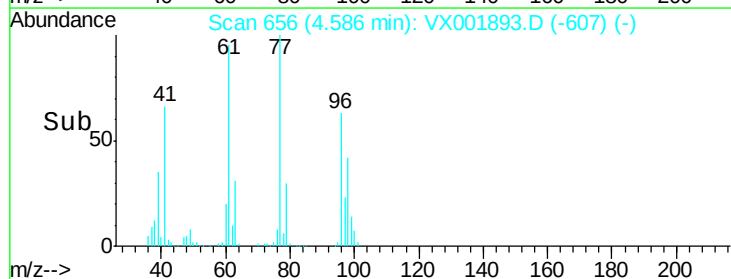
20000

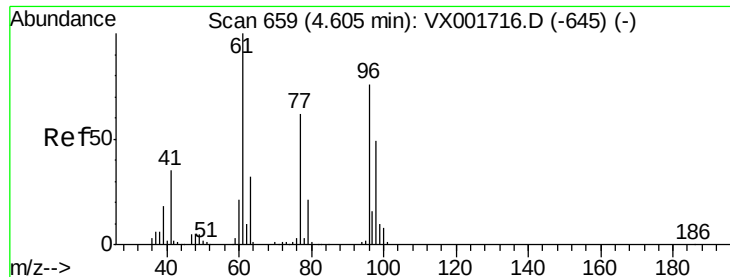
10000

0

4.50 4.60 4.70

Time-->





#27

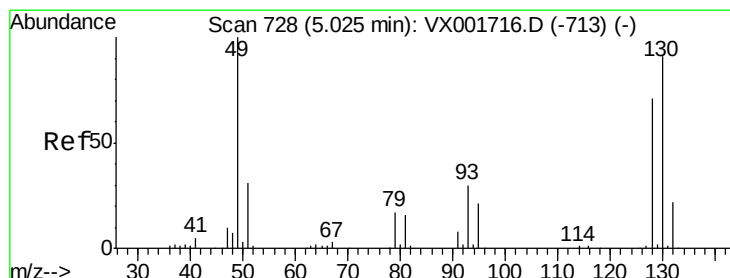
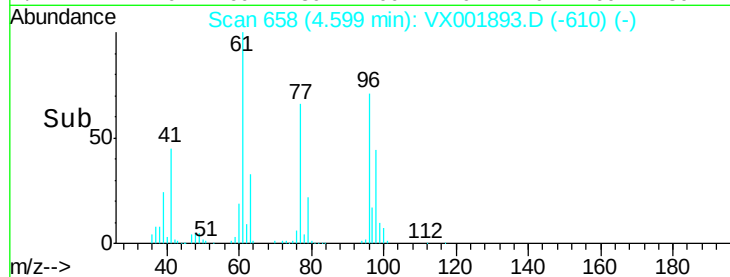
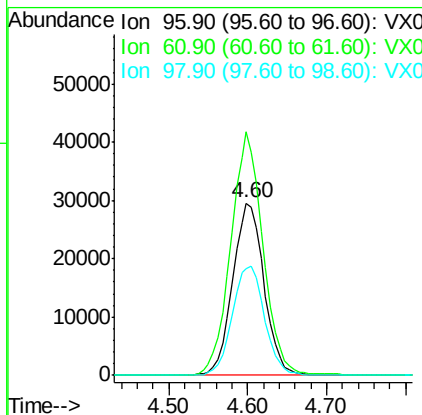
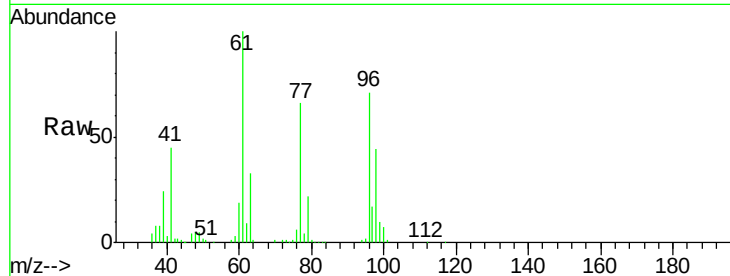
cis-1,2-Dichloroethene
 Concen: 20.89 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	280.4
98	65.3	0.0	128.4

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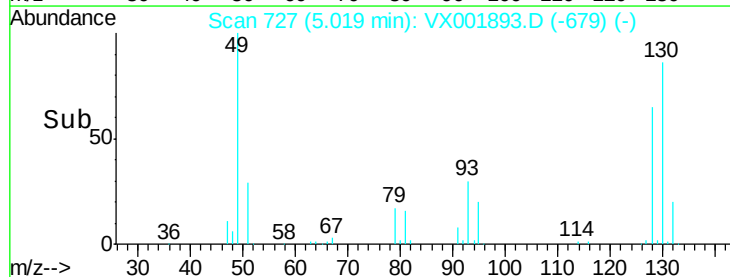
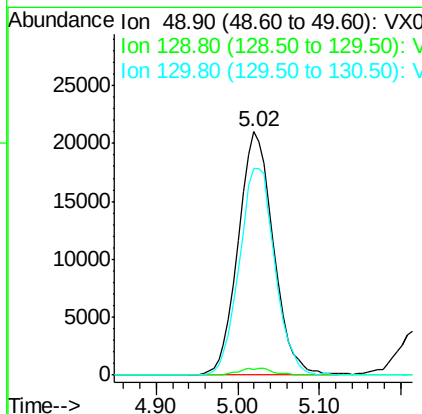
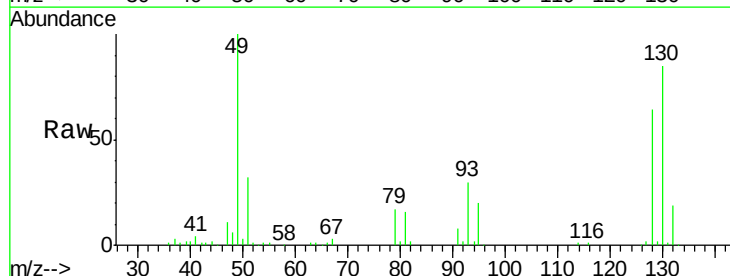
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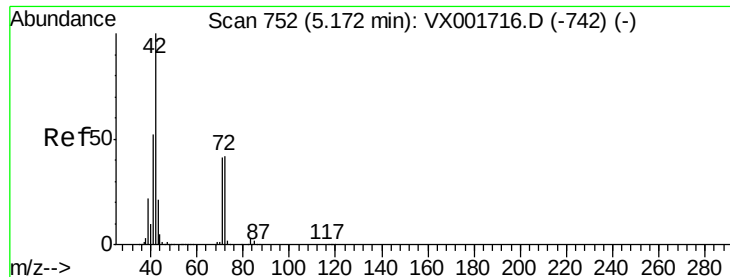


#28

Bromochloromethane
 Concen: 23.51 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	85.9	71.8	107.6





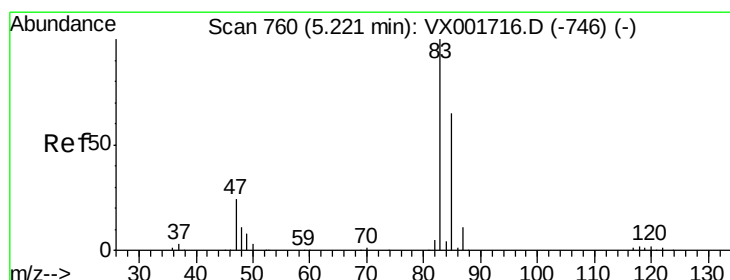
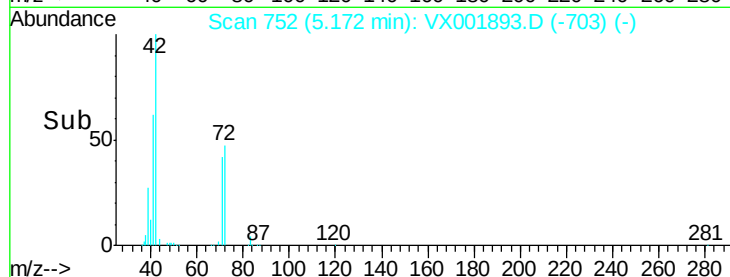
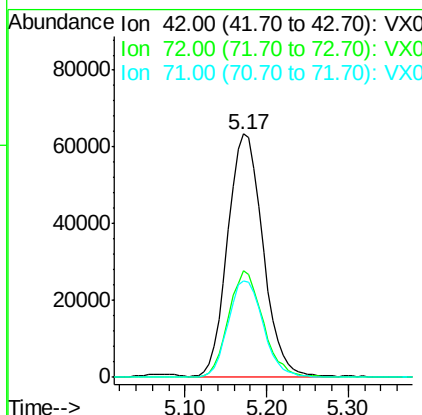
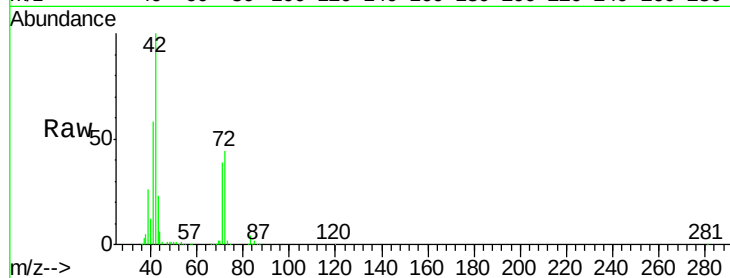
#29
Tetrahydrofuran
Concen: 114.65 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.4	53.2
71	39.9	33.2	49.8

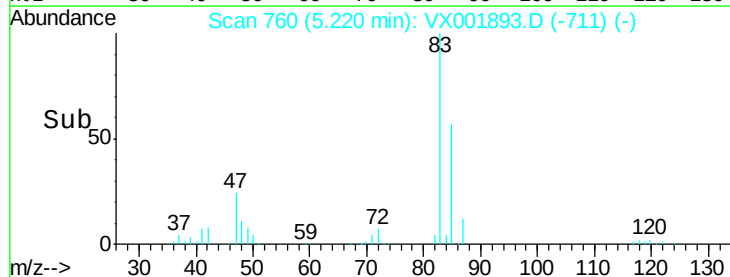
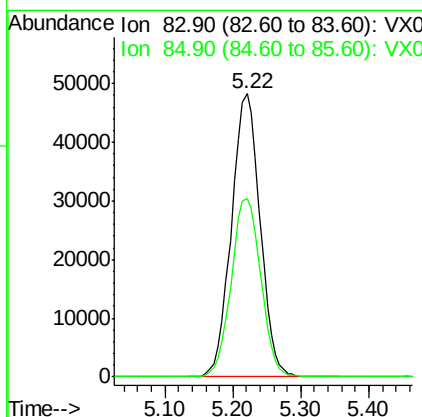
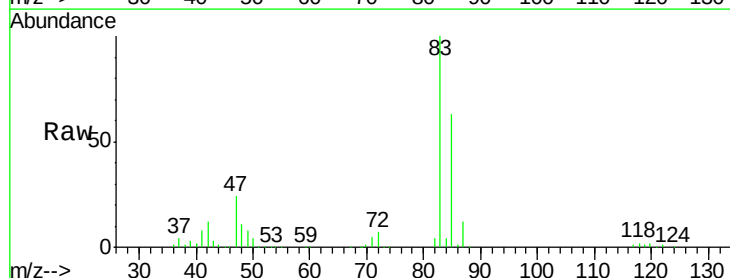
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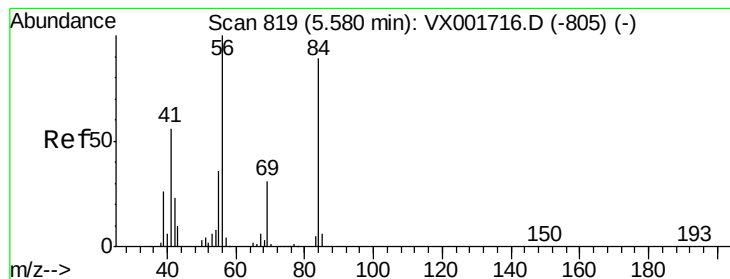
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#30
Chloroform
Concen: 22.26 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.3	78.5





#31

Cyclohexane

Concen: 20.97 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

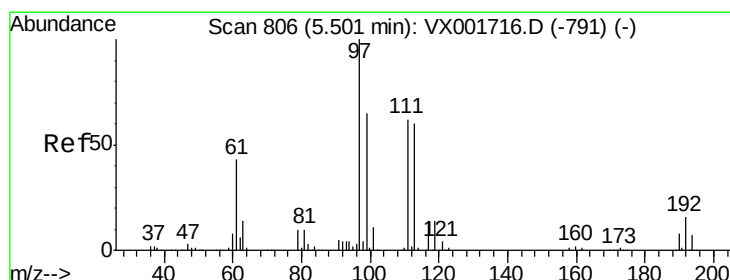
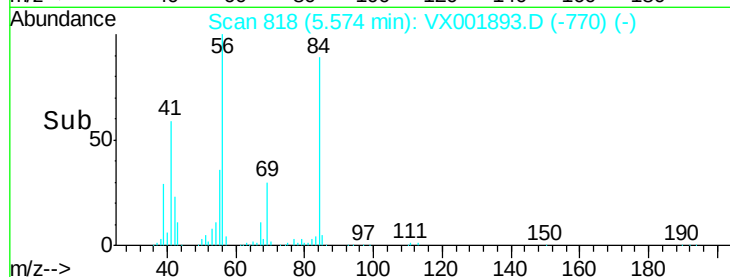
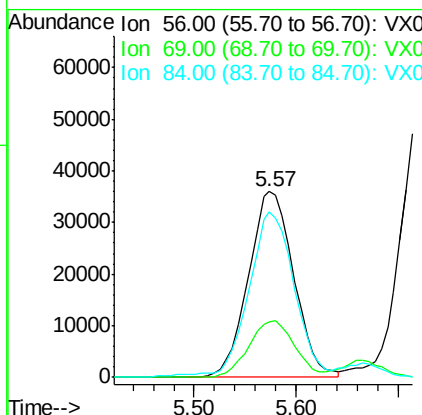
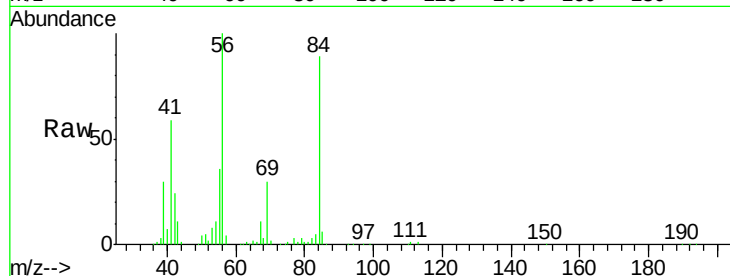
ClientSampleId :

VX0522WBS01

Tot Ion:	56	Resp:	111007
Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.0	37.6
84	87.0	71.0	106.4

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#32

1,1,1-Trichloroethane

Concen: 21.89 ug/l

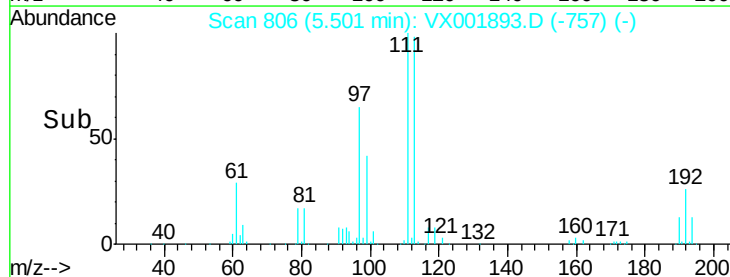
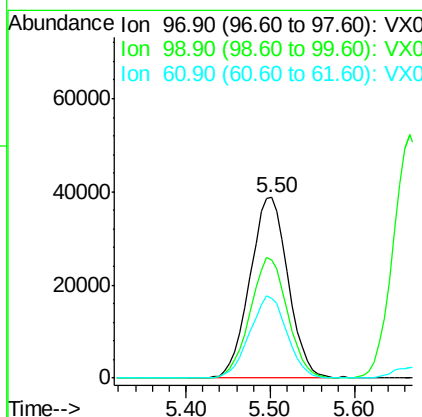
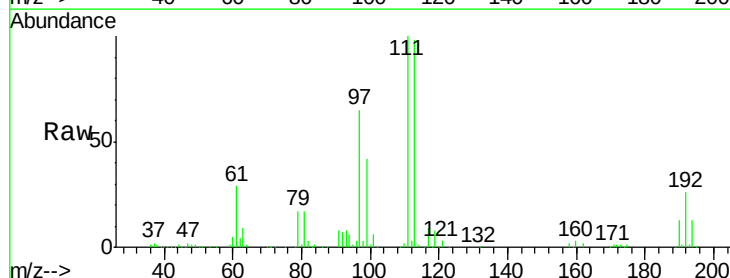
RT: 5.50 min Scan# 806

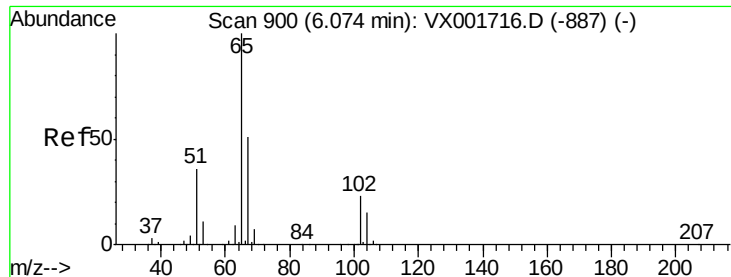
Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Tgt Ion:	97	Resp:	119973
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.3	76.9
61	44.8	34.0	51.0





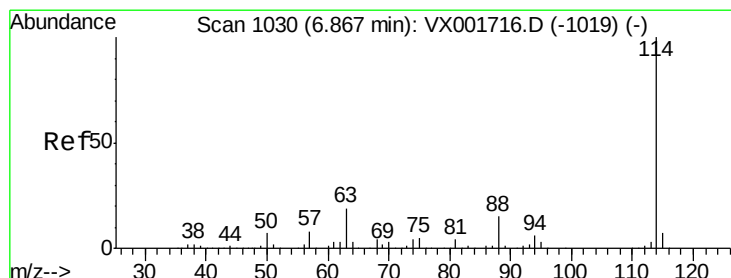
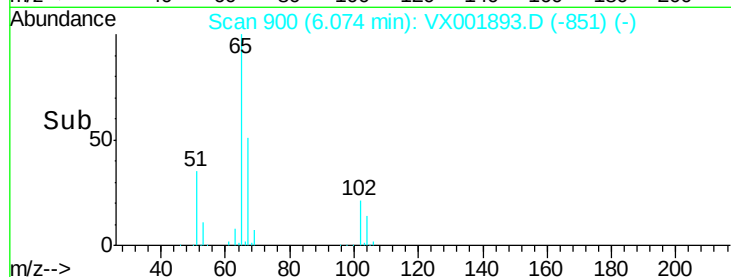
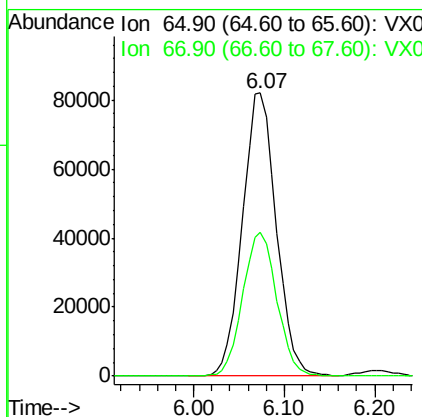
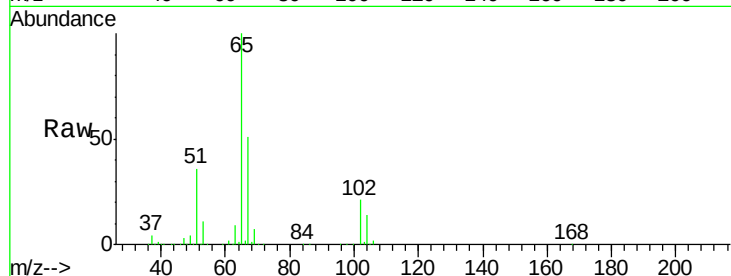
#33
 1,2-Dichloroethane-d4
 Concen: 50.44 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	212400		
67	51.3	0.0	102.8	

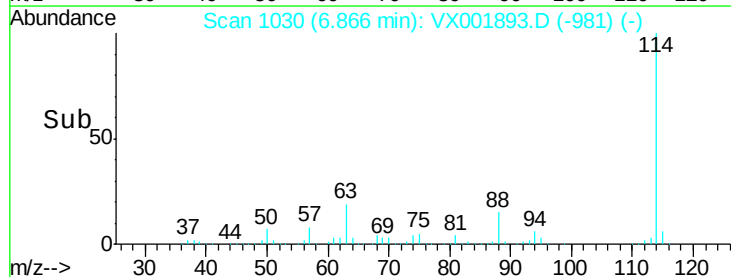
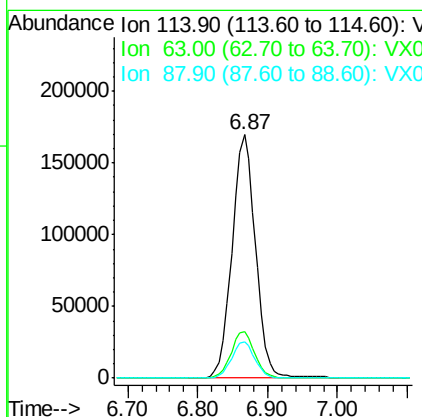
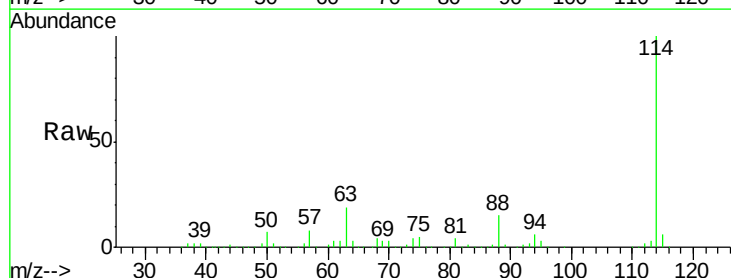
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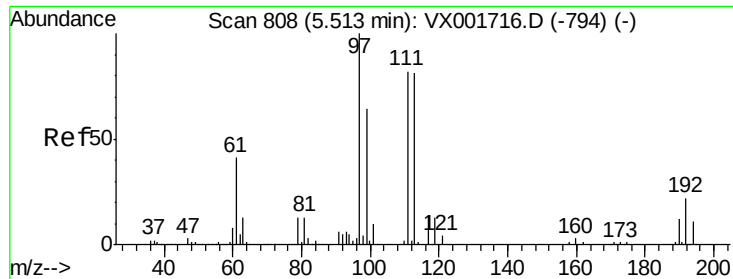
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	395929		
63	19.0	0.0	37.0	
88	14.9	0.0	29.8	





#35

Dibromofluoromethane

Concen: 53.26 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

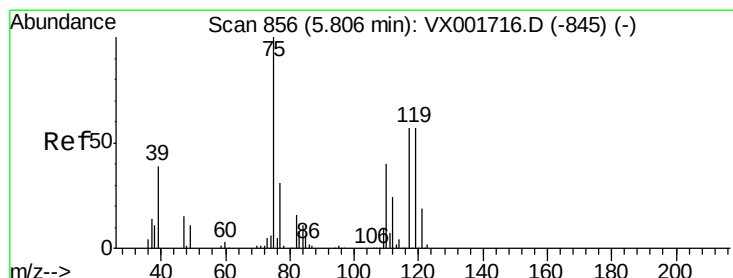
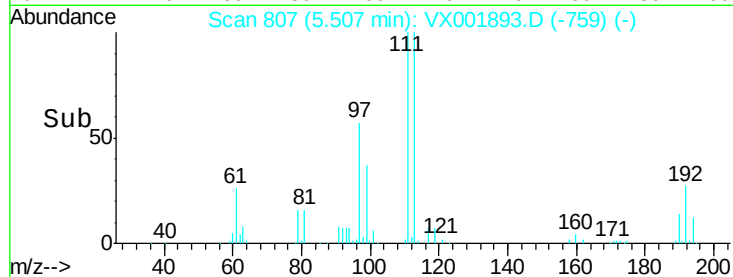
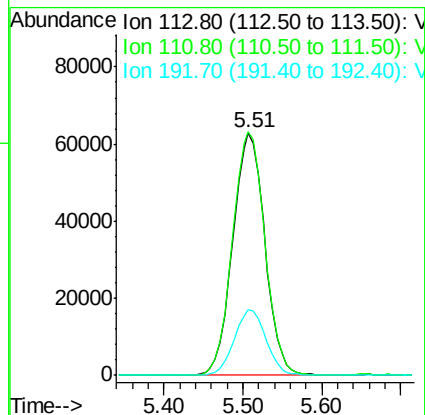
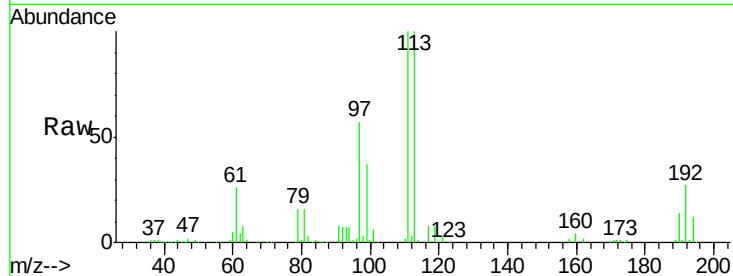
ClientSampleId :

VX0522WBS01

Tot Ion:	113	Resp:	177951
Ion Ratio	Lower	Upper	
113	100		
111	101.1	82.0	123.0
192	27.0	21.6	32.4

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#36

1,1-Dichloropropene

Concen: 20.99 ug/l

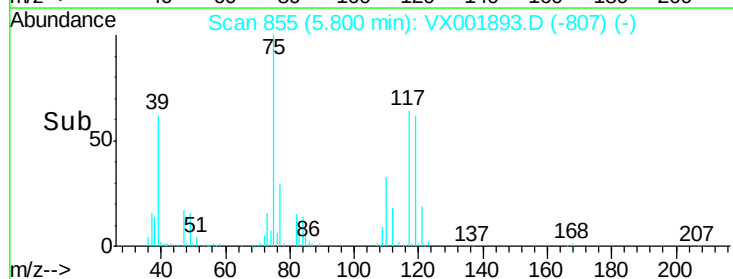
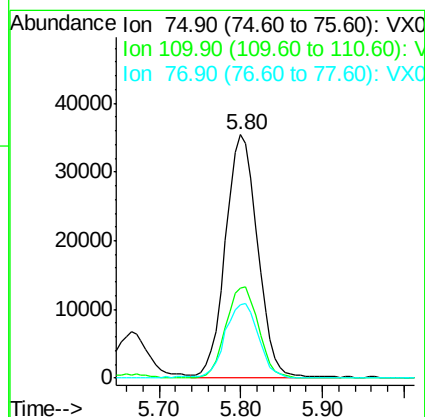
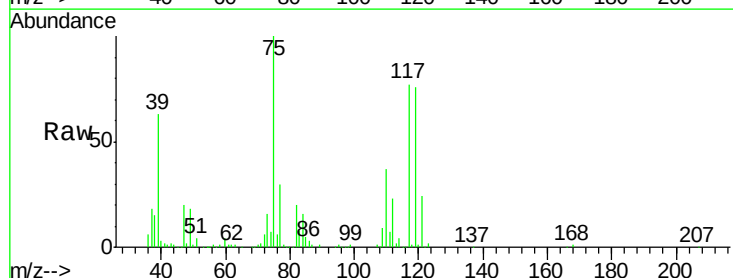
RT: 5.80 min Scan# 855

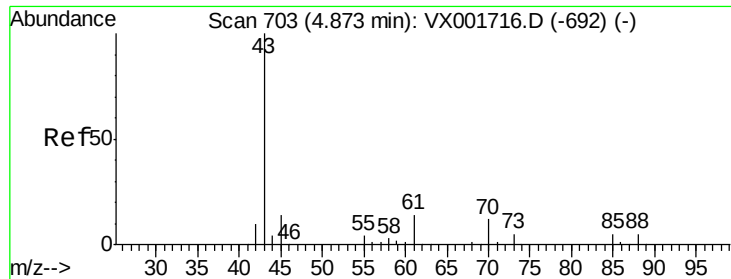
Delta R.T. -0.01 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Tgt Ion:	75	Resp:	95652
Ion Ratio	Lower	Upper	
75	100		
110	38.6	19.1	57.1
77	31.7	24.6	37.0





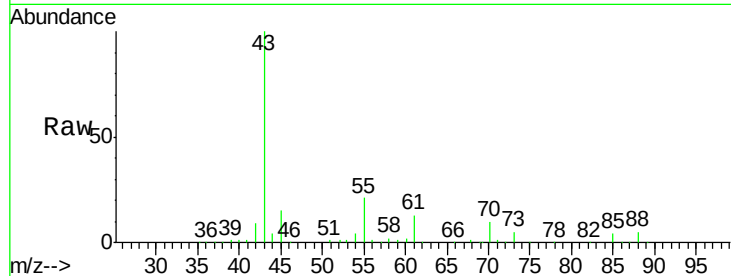
#37
Ethyl Acetate
Concen: 23.46 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

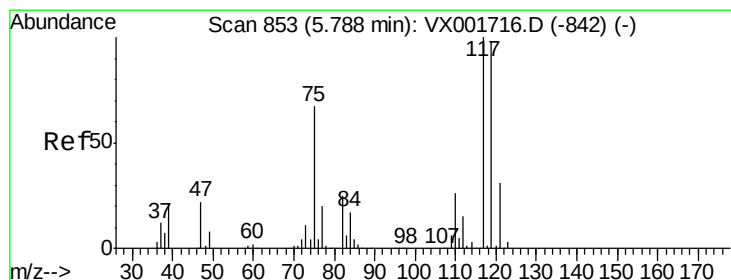
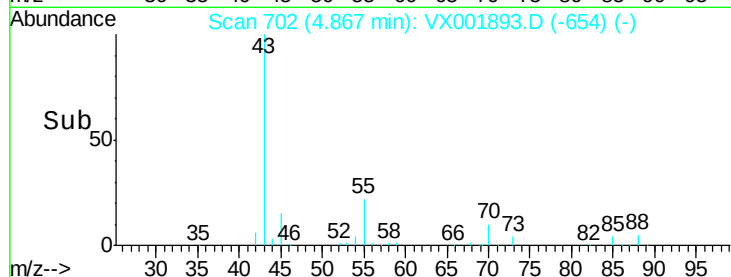
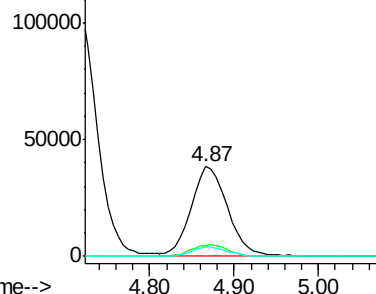
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.9	16.3
70	10.6	8.8	13.2

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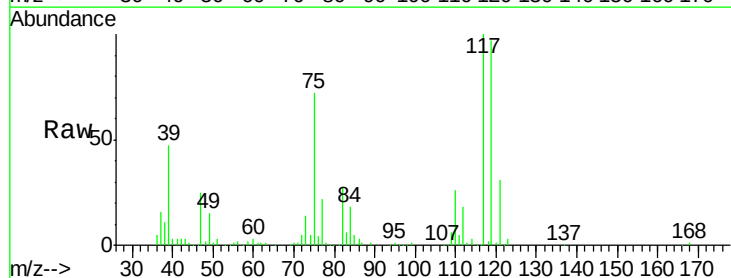


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

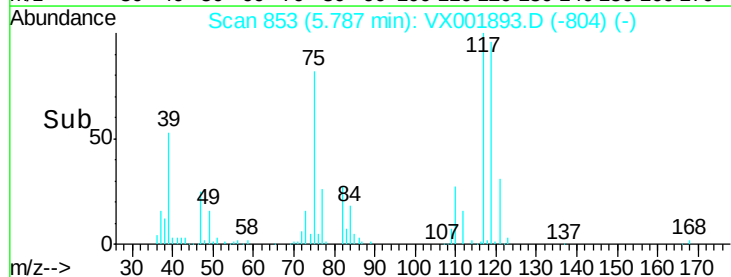
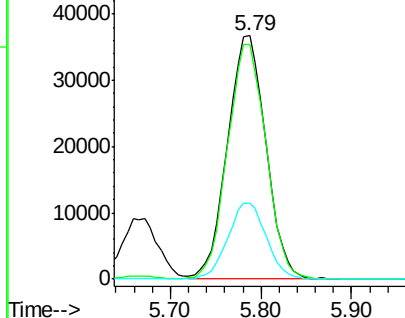


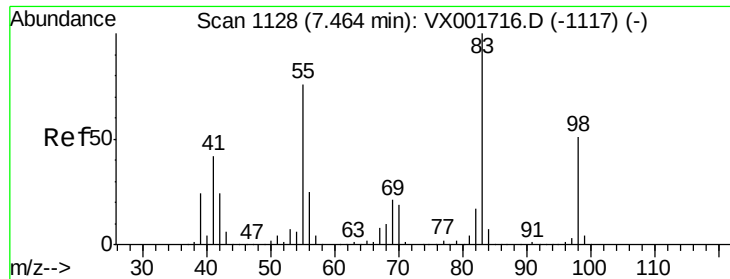
#38
Carbon Tetrachloride
Concen: 22.66 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.6	116.4
121	31.4	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





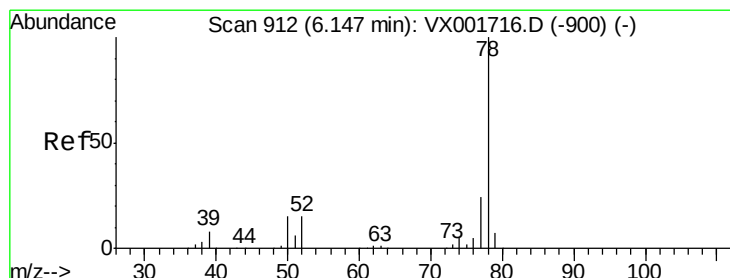
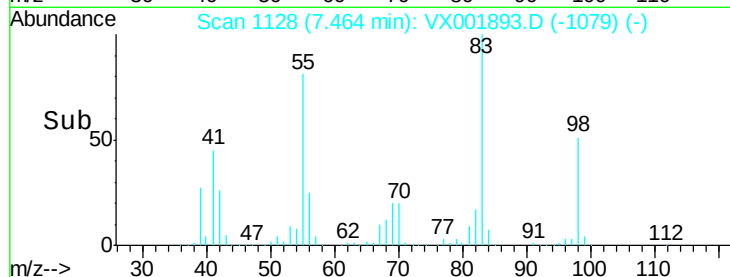
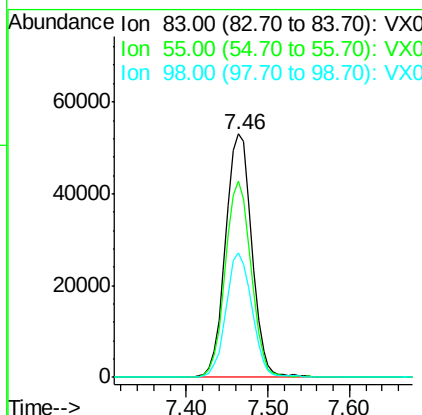
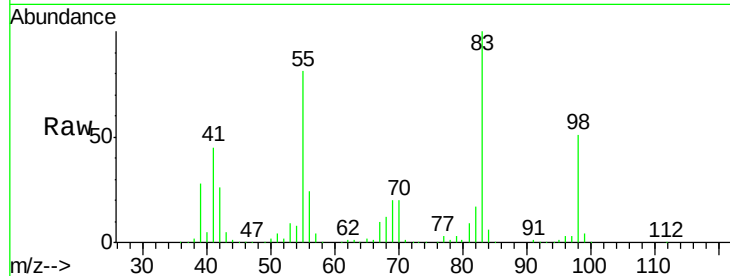
#39
Methylvlcyclohexane
Concen: 22.15 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	117937		
55	80.9	60.6	90.8	
98	51.0	40.4	60.6	

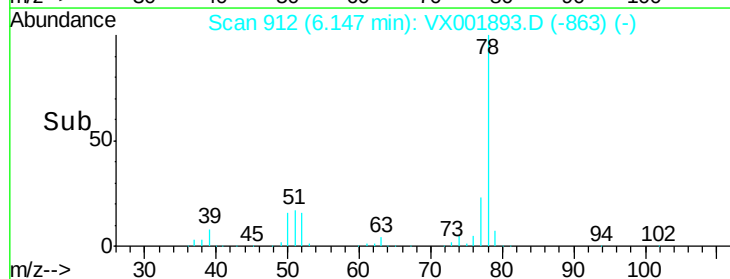
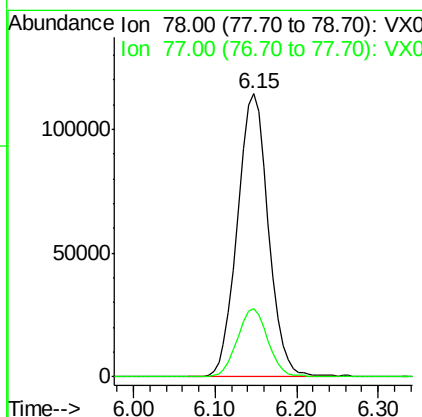
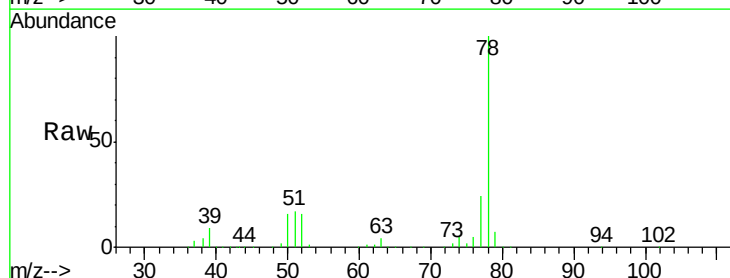
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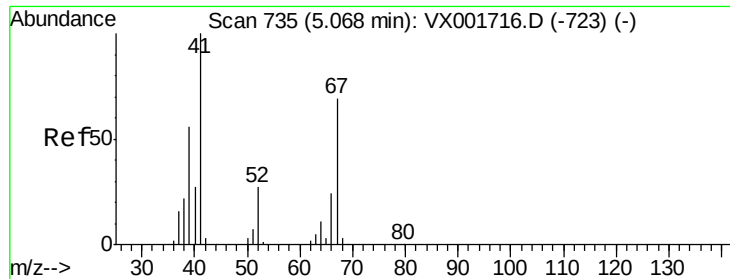
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#40
Benzene
Concen: 22.47 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	301692		
77	24.0	19.0	28.4	





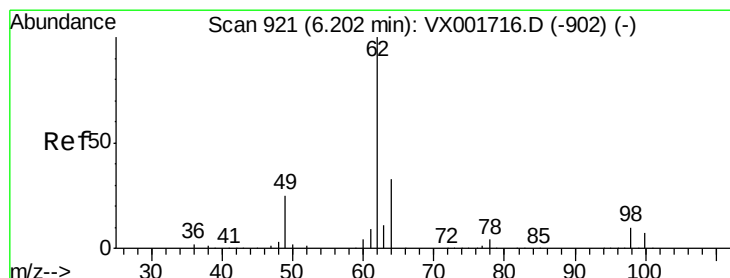
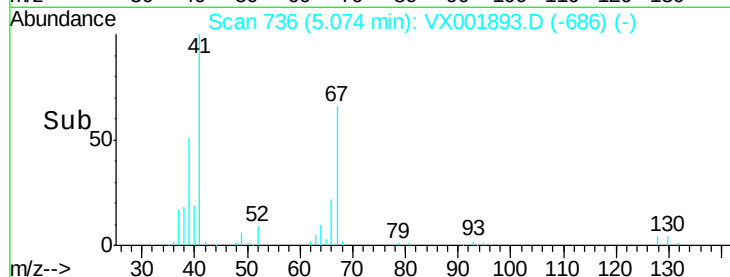
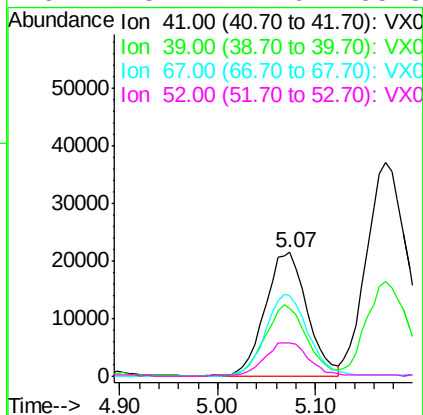
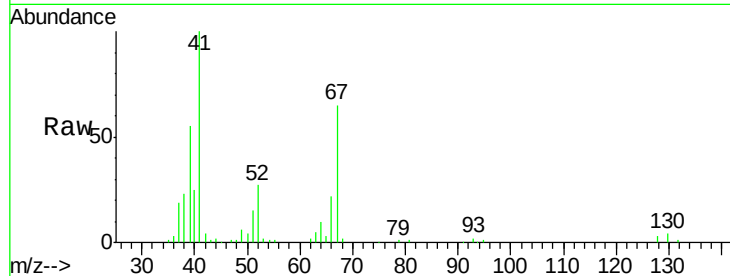
#41
Methacrylonitrile
Concen: 23.55 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion:	41	Resp:	64689
Ion	Ratio	Lower	Upper
41	100		
39	57.3	44.2	66.4
67	67.2	56.0	84.0
52	28.1	22.6	33.8

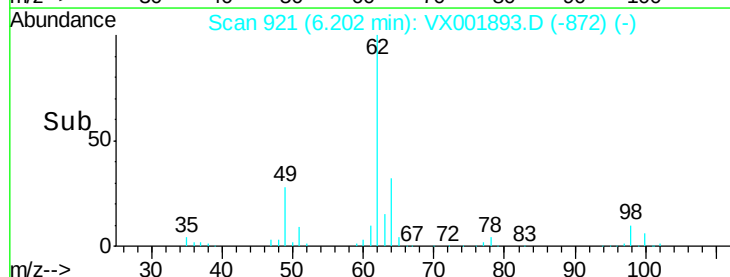
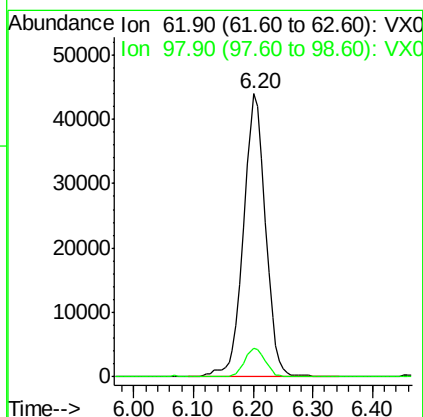
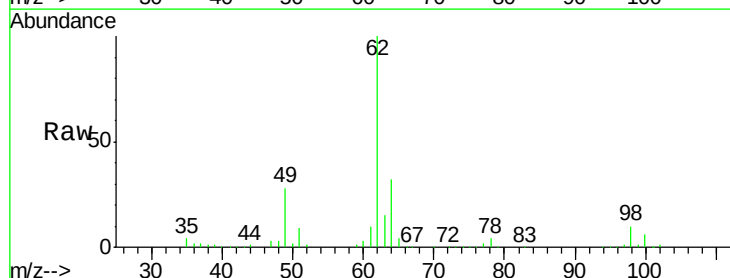
Manual Integrations
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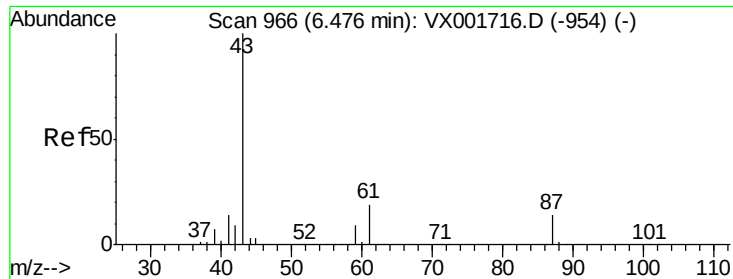
MMDadoda
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#42
1,2-Dichloroethane
Concen: 23.45 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion:	62	Resp:	113889
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0





#43

Isopropyl Acetate

Concen: 23.14 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

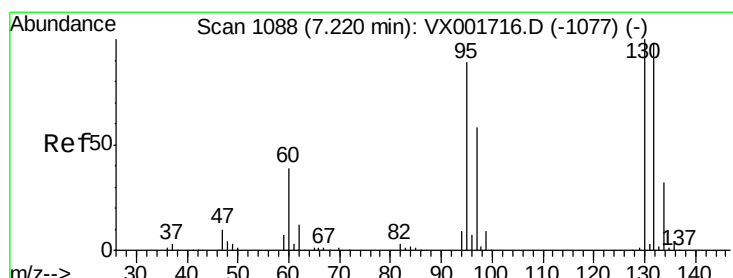
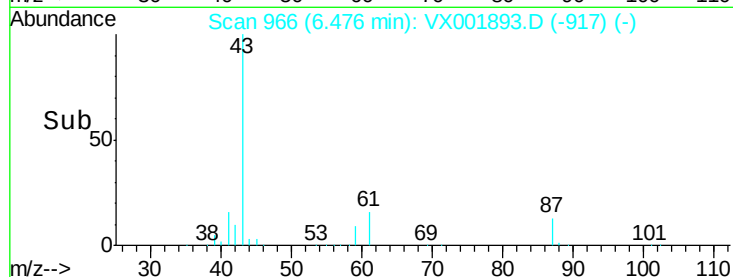
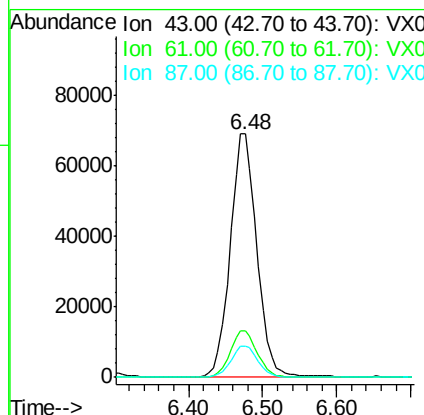
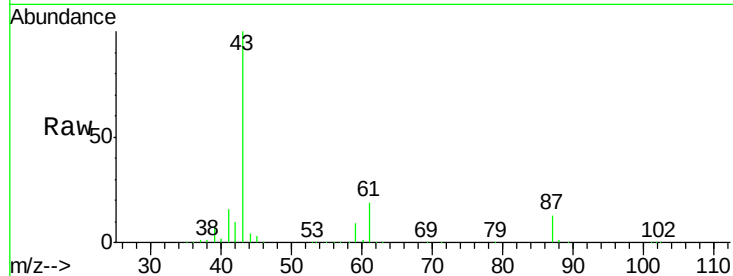
ClientSampleId :

VX0522WBS01

Tot Ion:	43	Resp:	172057
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.8	23.8
87	13.2	11.0	16.4

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#44

Trichloroethene

Concen: 22.04 ug/l

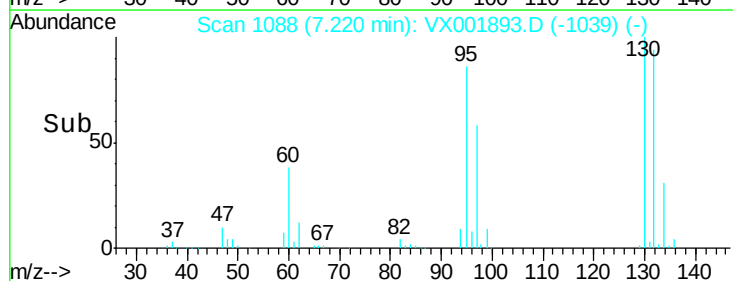
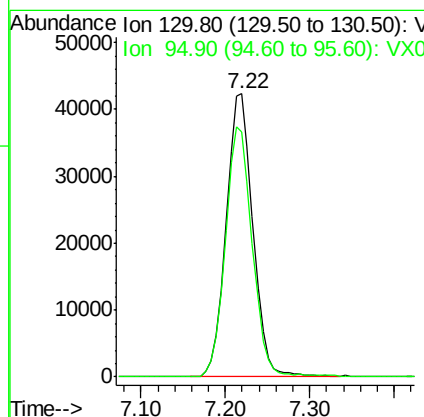
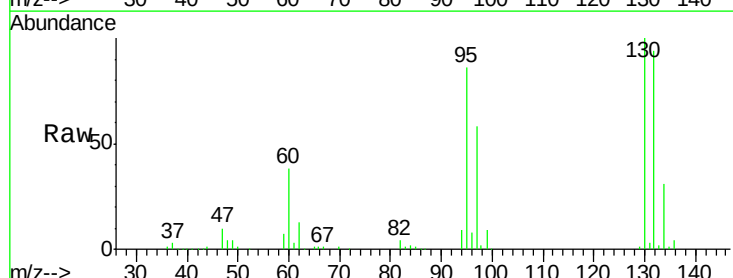
RT: 7.22 min Scan# 1088

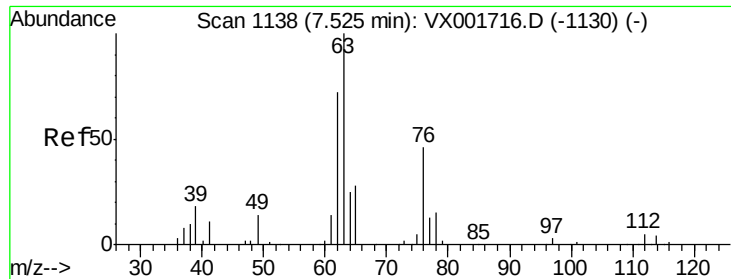
Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Tgt Ion:	130	Resp:	91879
Ion	Ratio	Lower	Upper
130	100		
95	86.5	0.0	177.2





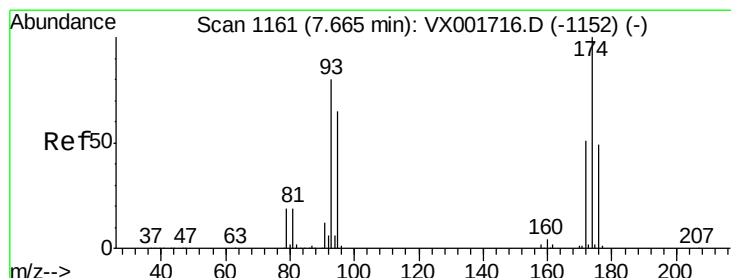
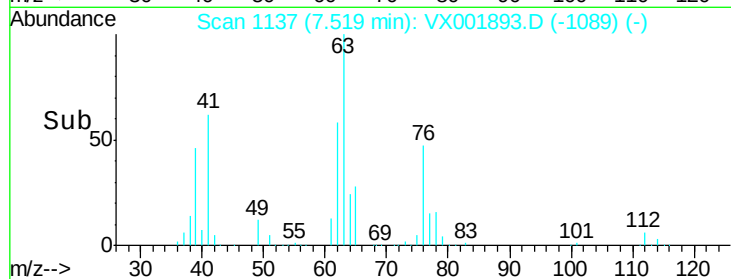
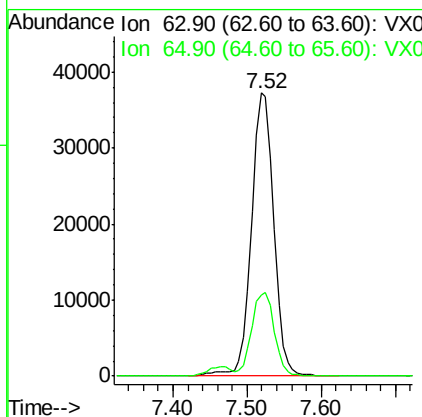
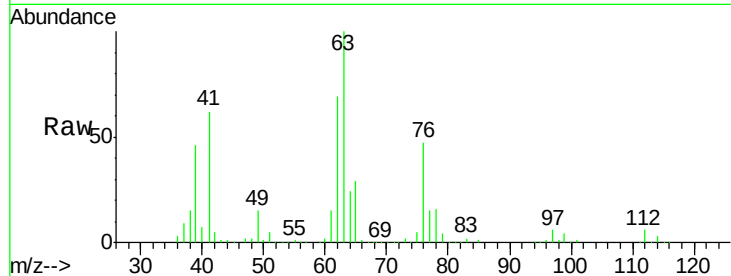
#45
 1,2-Dichloropropane
 Concen: 23.90 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Tot Ion: 63 Resp: 78764
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.2 36.2

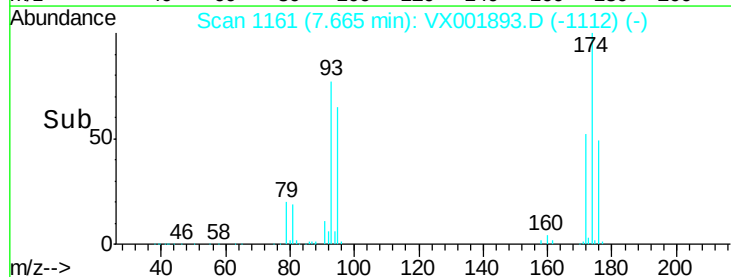
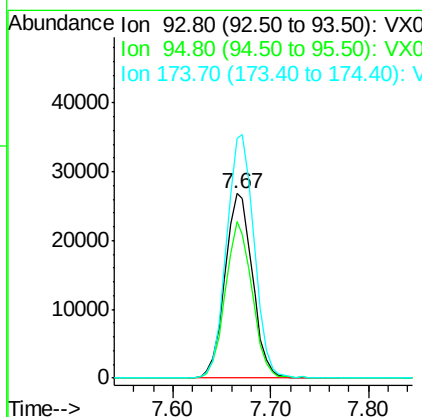
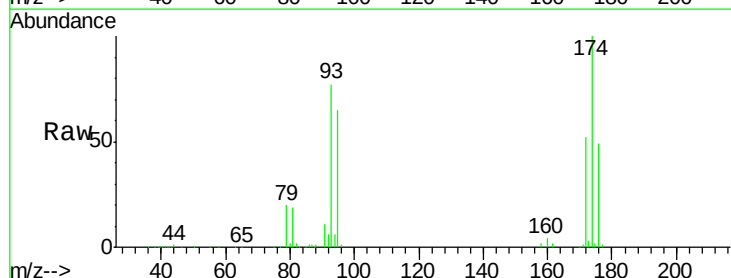
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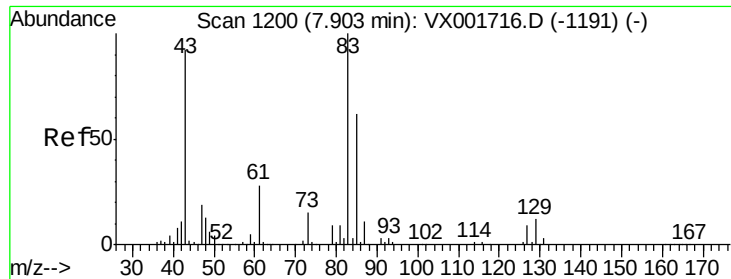
MMDadoda
 5/24/2018 11:47:44 AM



#46
 Dibromomethane
 Concen: 22.70 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Tgt Ion: 93 Resp: 52514
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.9 98.9
 174 131.6 106.2 159.2





#47

Bromodichloromethane

Concen: 23.70 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

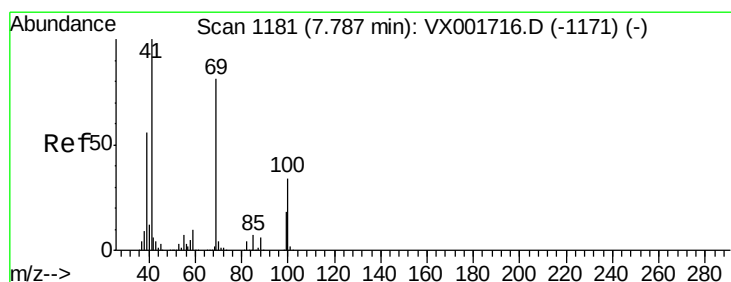
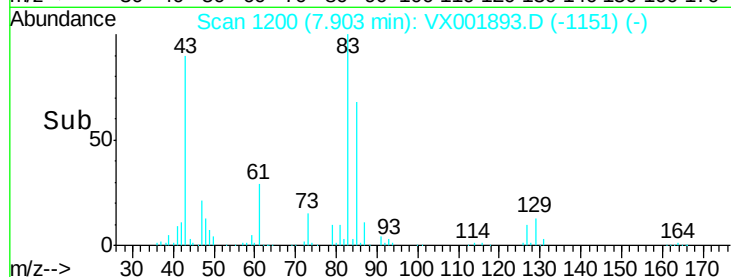
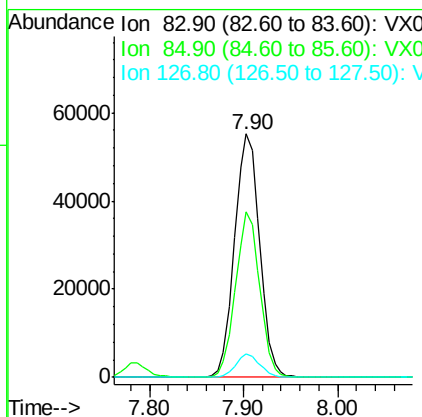
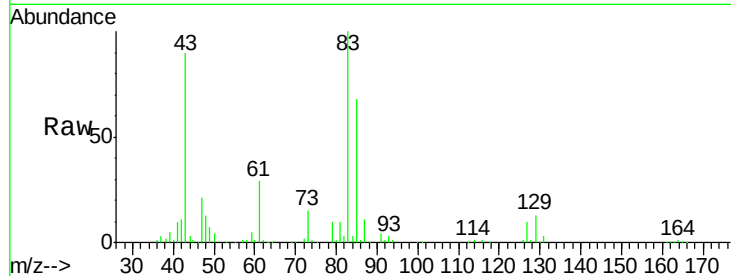
ClientSampleId :

VX0522WBS01

Tot Ion:	83	Resp:	101758
Ion Ratio	Lower	Upper	
83	100		
85	67.8	49.6	74.4
127	9.8	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.62 ug/l

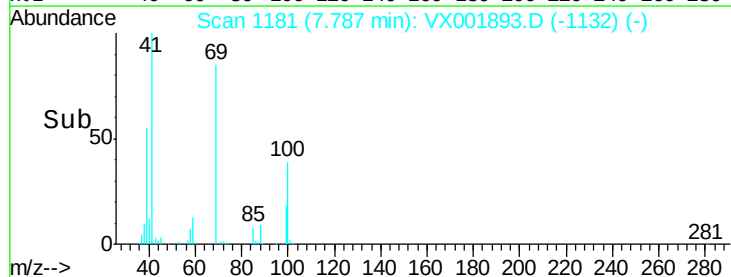
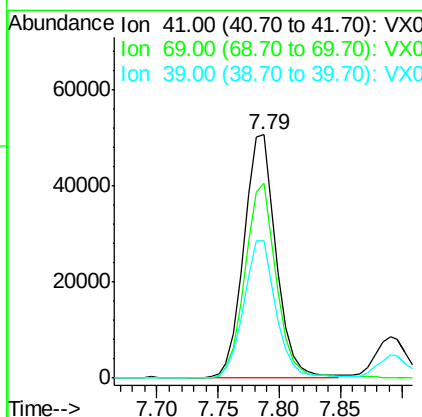
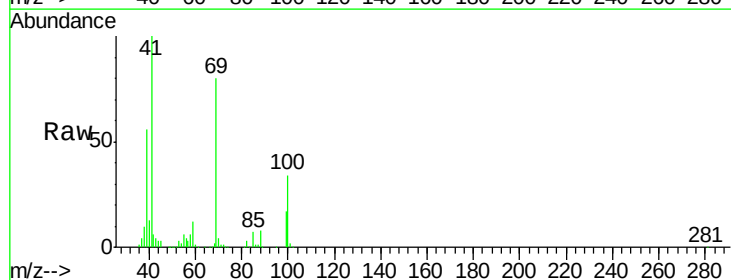
RT: 7.79 min Scan# 1181

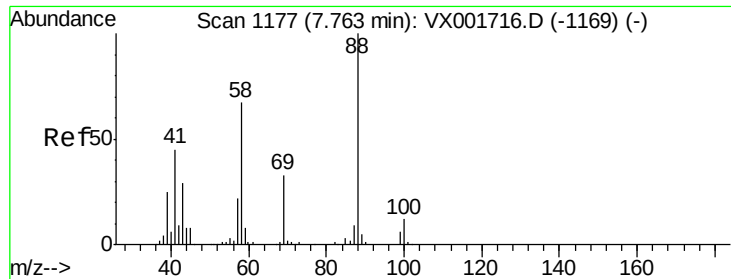
Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Tgt Ion:	41	Resp:	92407
Ion Ratio	Lower	Upper	
41	100		
69	79.1	65.2	97.8
39	56.9	44.5	66.7





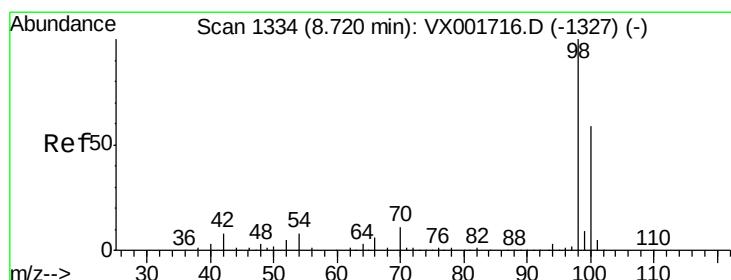
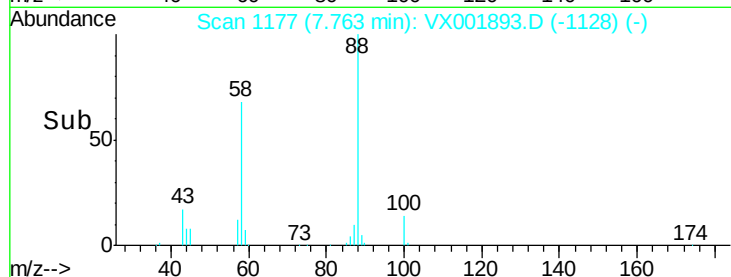
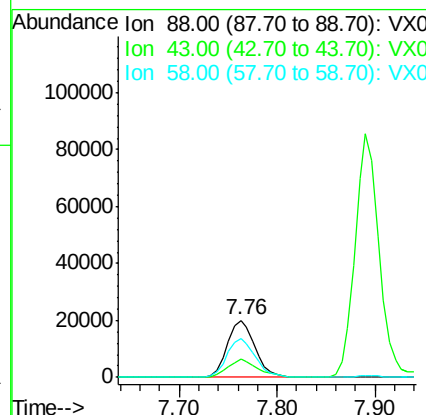
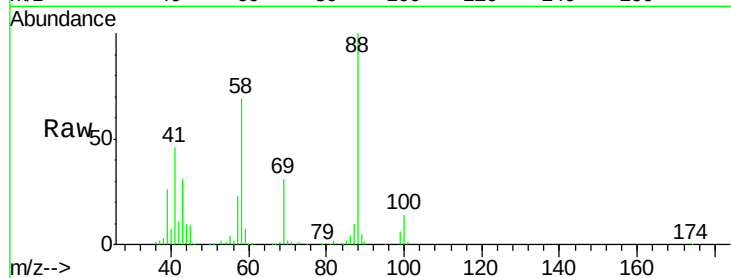
#49
1,4-Dioxane
Concen: 517.90 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.3	40.9
58	71.0	55.9	83.9

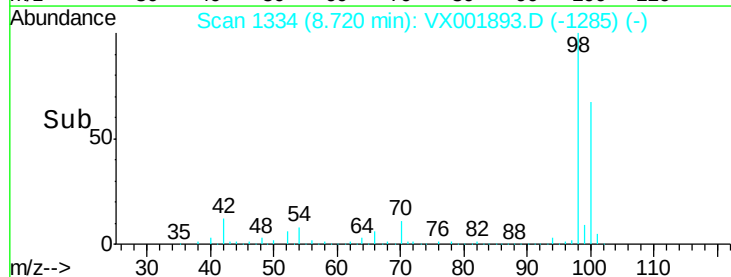
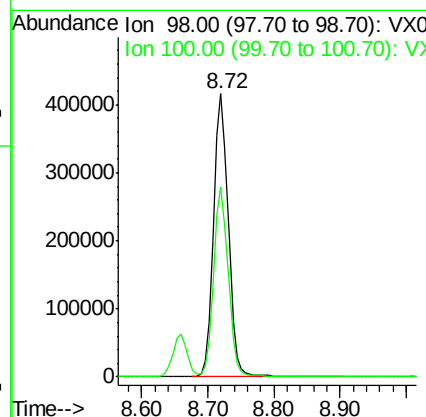
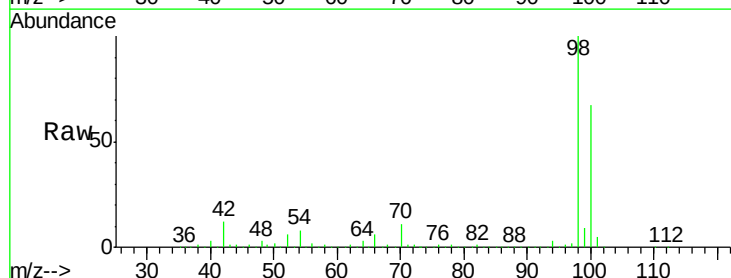
Manual Integrations
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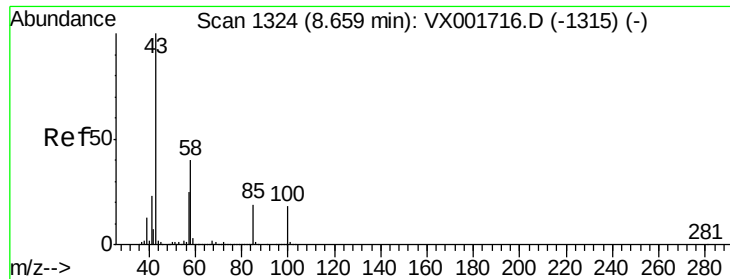
MMDadoda
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#50
Toluene-d8
Concen: 53.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 127.54 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion: 43 Resp: 600867

Ion Ratio Lower Upper

43 100

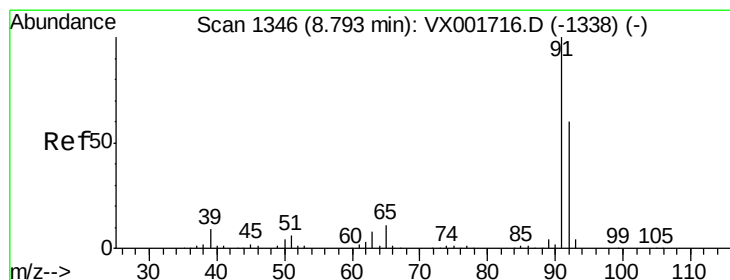
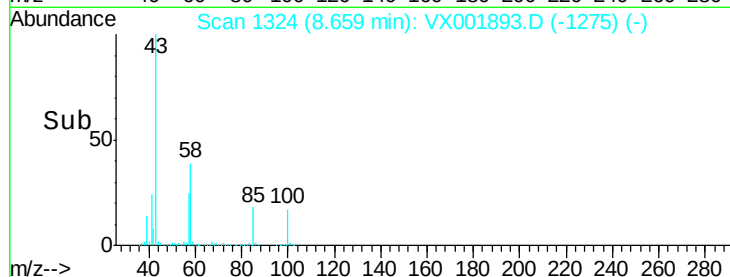
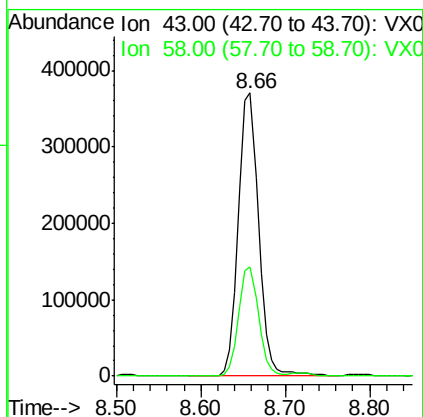
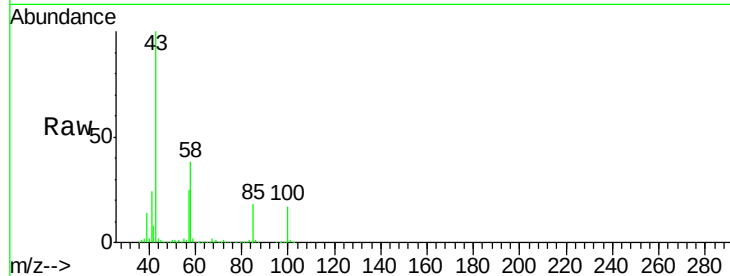
58 37.7 31.4 47.0

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#52

Toluene

Concen: 23.03 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001893.D

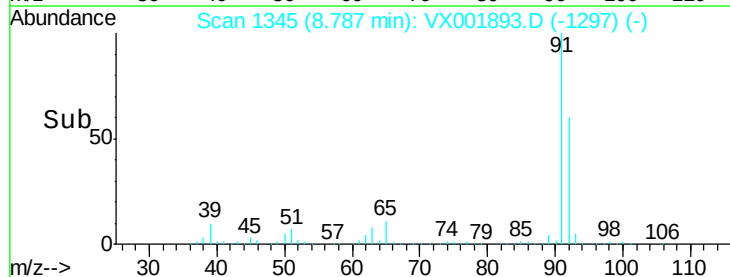
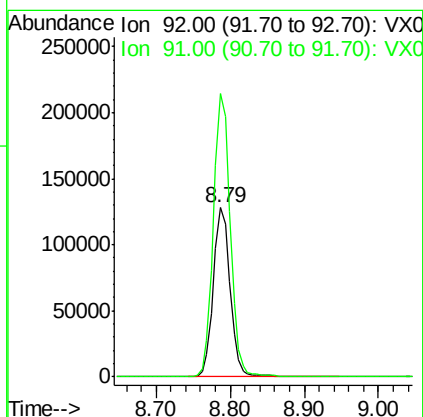
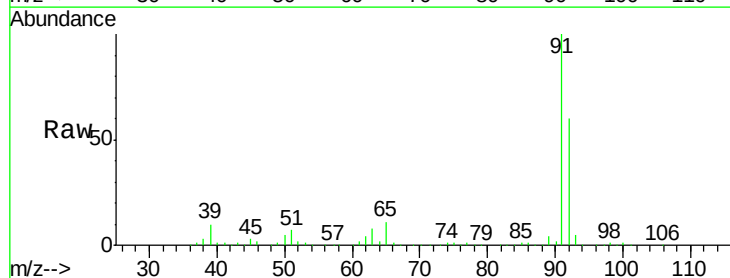
Acq: 22 May 2018 15:10

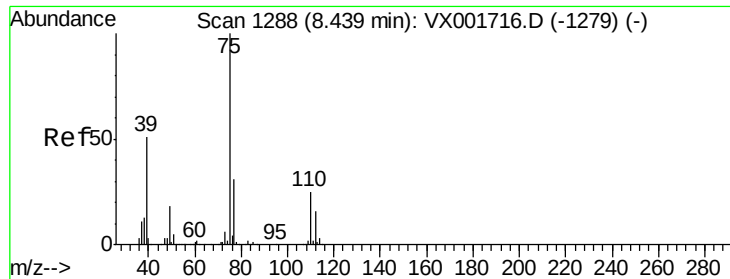
Tgt Ion: 92 Resp: 198735

Ion Ratio Lower Upper

92 100

91 168.3 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 23.07 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion: 75 Resp: 116525

Ion Ratio Lower Upper

75 100

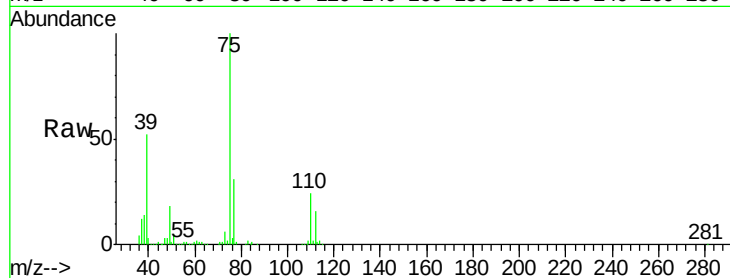
77 31.1 25.0 37.6

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

80000

60000

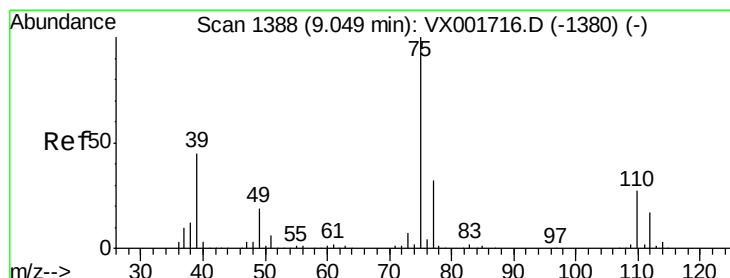
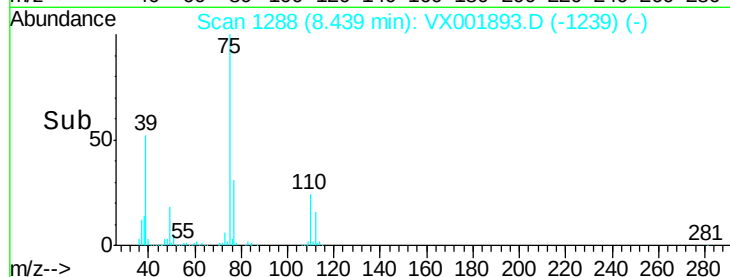
40000

20000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 22.14 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

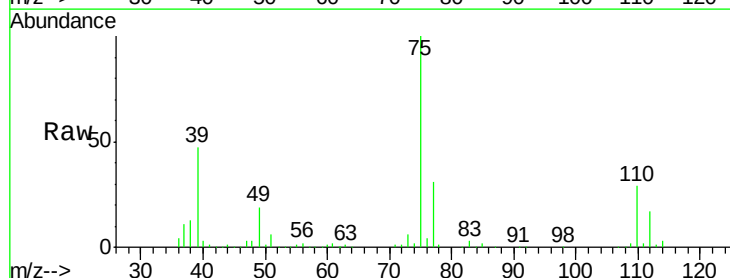
Tgt Ion: 75 Resp: 98593

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2

39 46.3 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

80000

60000

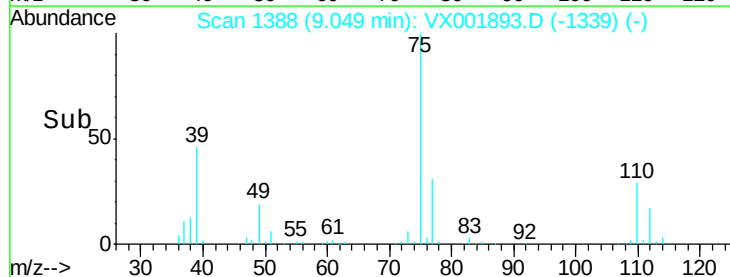
40000

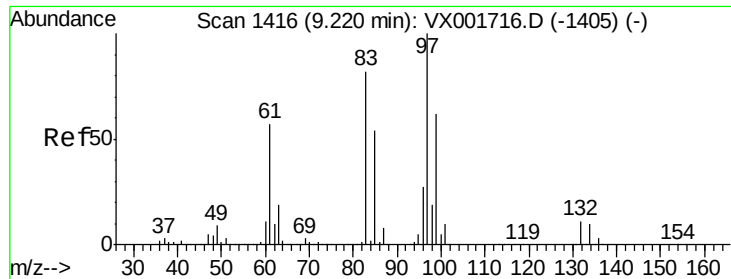
20000

0

8.95 9.00 9.05 9.10

Time-->





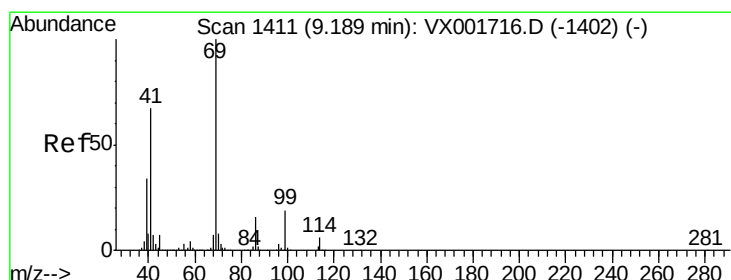
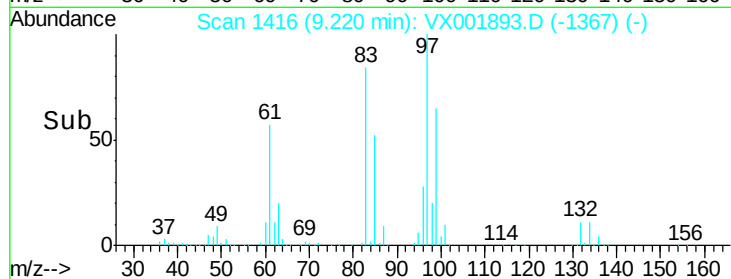
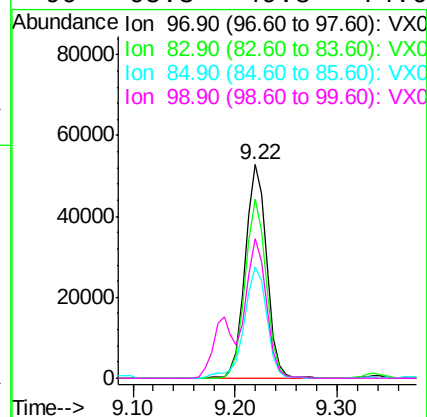
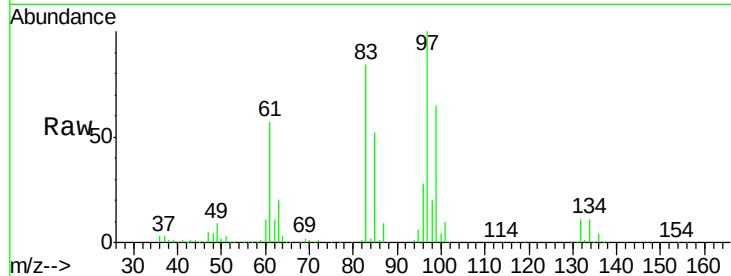
#55
 1,1,2-Trichloroethane
 Concen: 23.25 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		76693		
83	84.1	65.8	98.8		
85	52.3	43.4	65.0		
99	65.3	49.8	74.6		

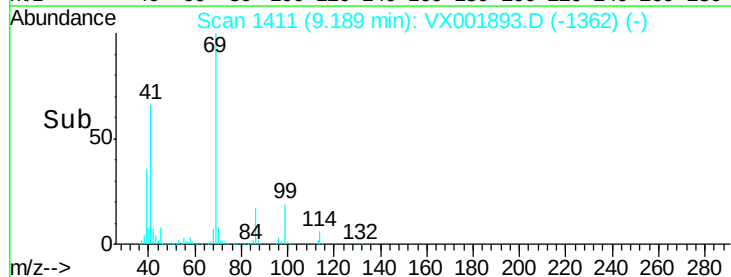
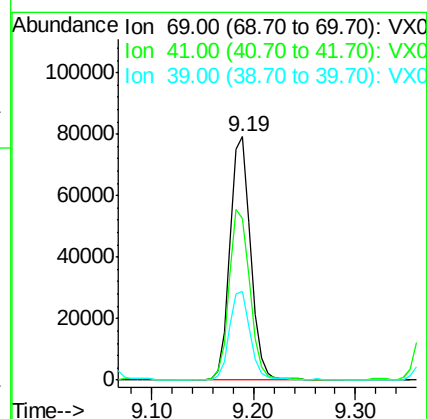
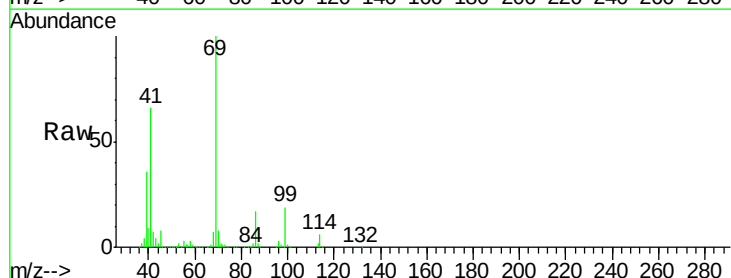
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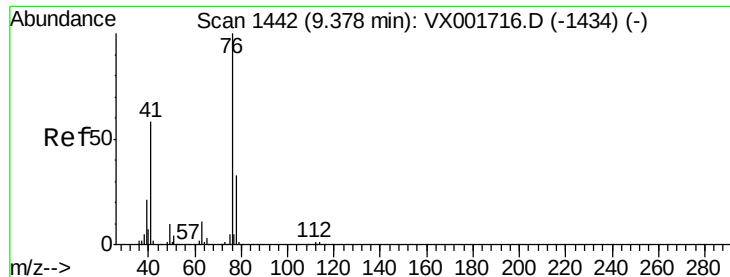
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 5/24/2018 11:47:44 AM



#56
 Ethyl methacrylate
 Concen: 23.79 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		111254		
41	69.7	53.5	80.3		
39	36.2	27.2	40.8		





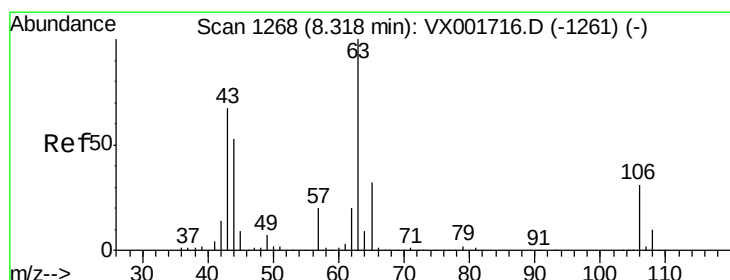
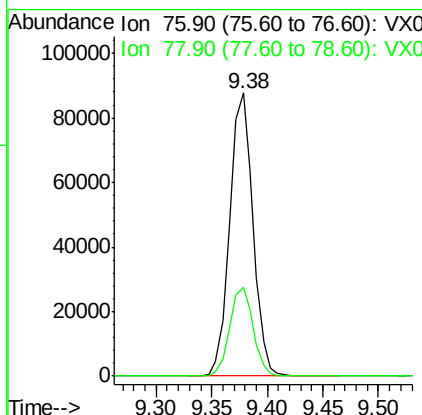
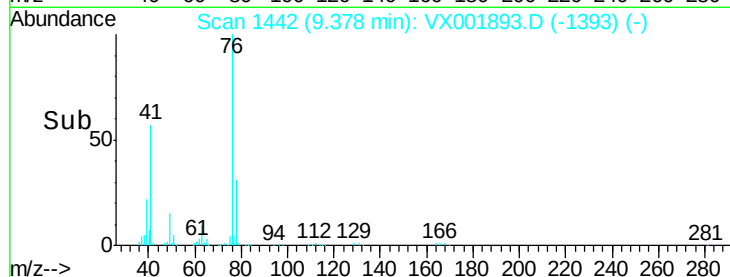
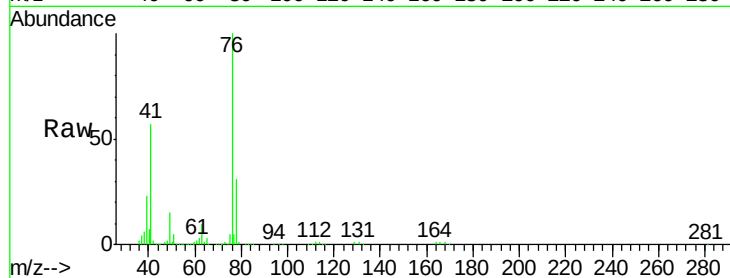
#57
 1,3-Dichloropropane
 Concen: 22.93 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.6

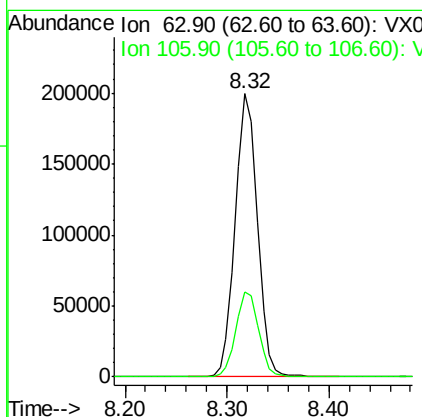
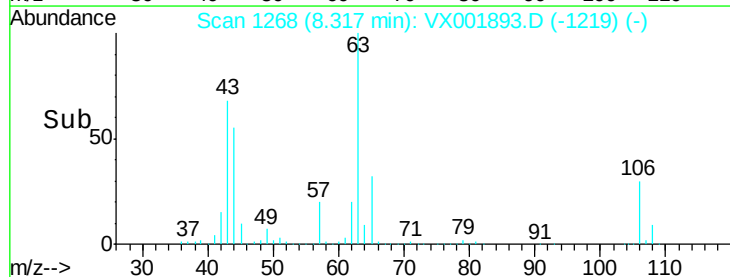
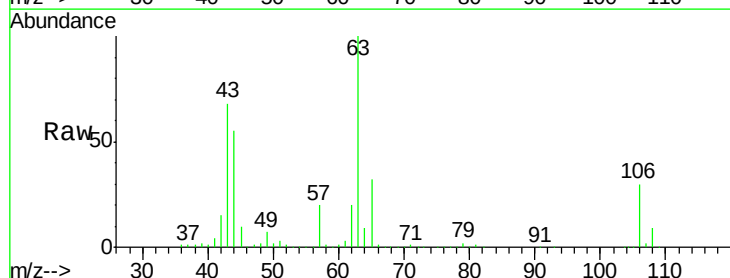
Manual Integrations
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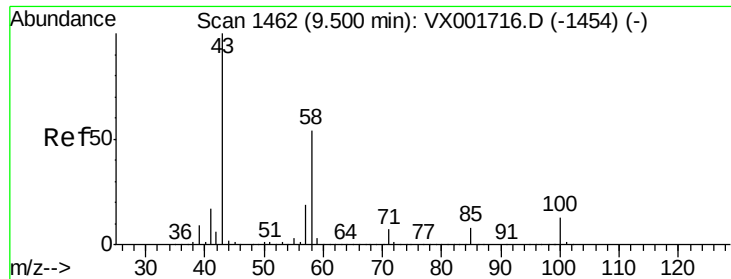
MMDadoda
 5/24/2018 11:47:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.23 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	25.1	37.7





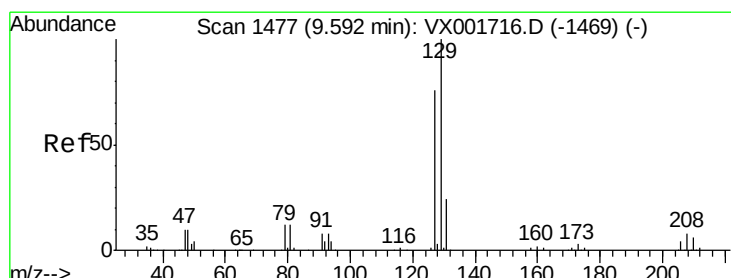
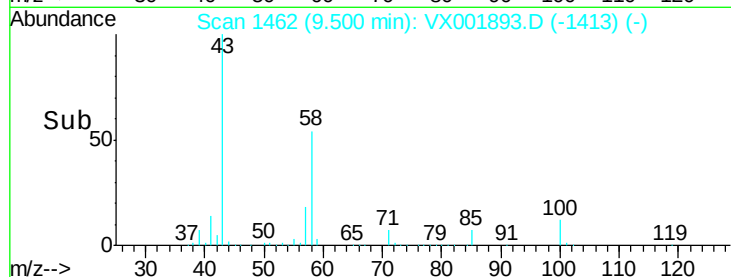
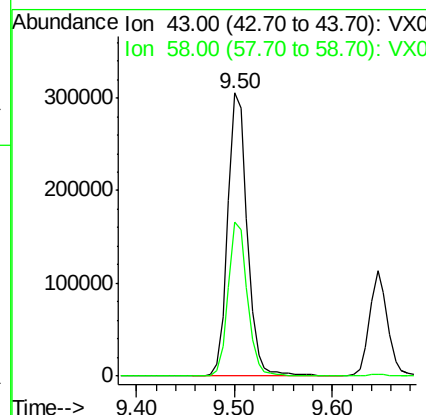
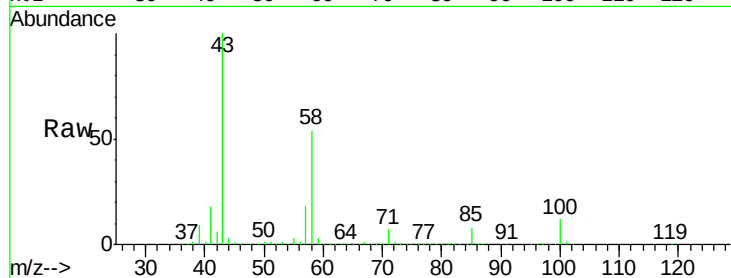
#59
2-Hexanone
Concen: 125.68 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion: 43 Resp: 423858
Ion Ratio Lower Upper
43 100
58 53.9 27.7 83.1

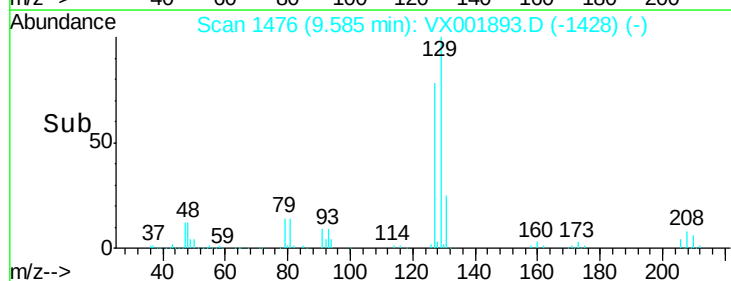
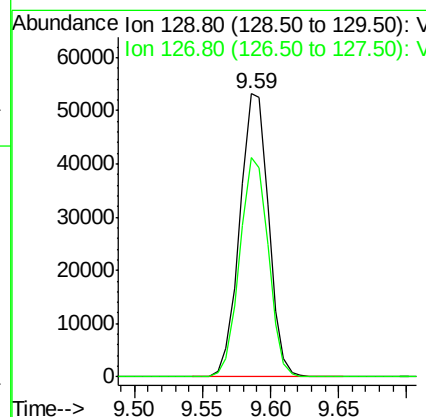
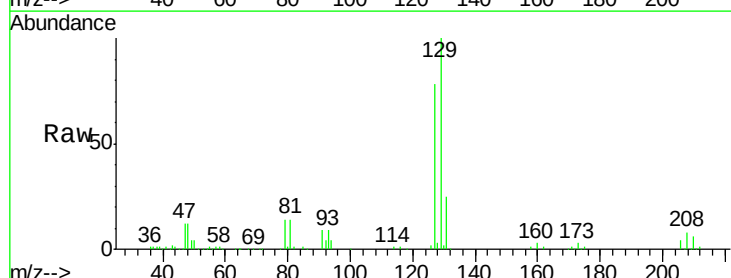
Manual Integrations
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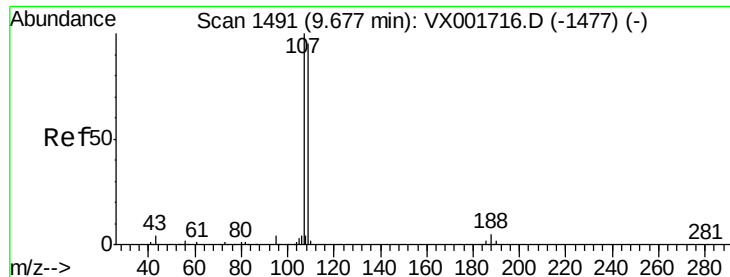
MMDadoda
5/24/2018 11:47:44 AM



#60
Dibromochloromethane
Concen: 23.29 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion: 129 Resp: 78664
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1





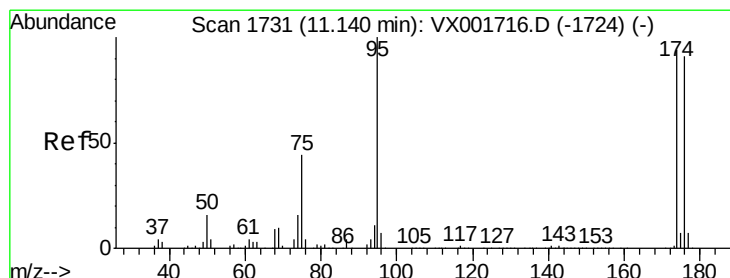
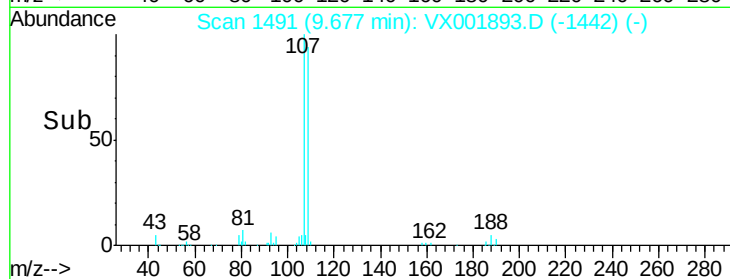
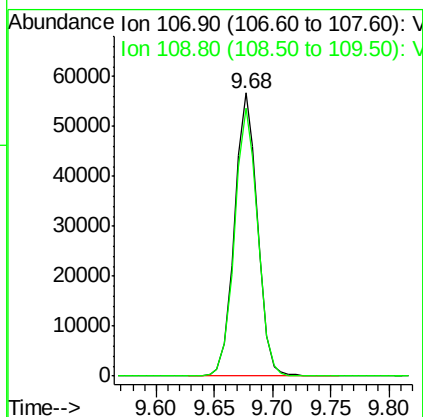
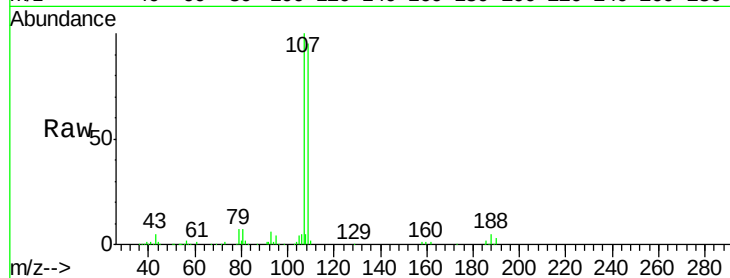
#61
 1,2-Dibromoethane
 Concen: 22.55 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Tot Ion: 107 Resp: 77878
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.2 114.2

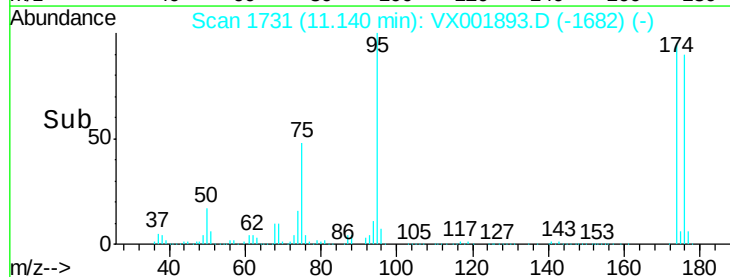
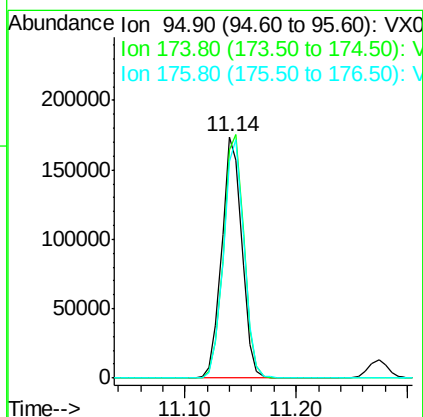
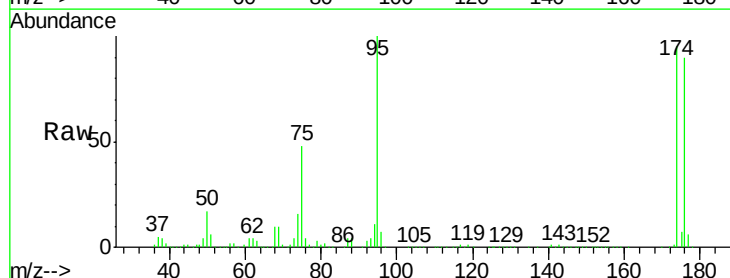
Manual Integrations
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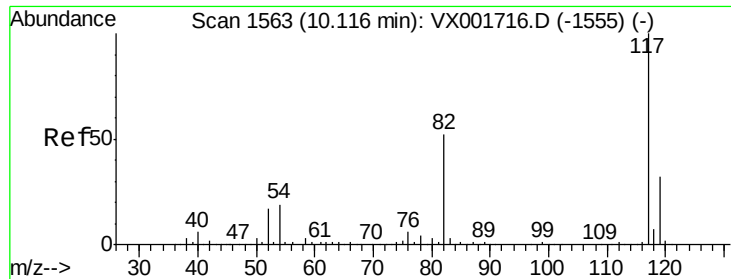
MMDadoda
 5/24/2018 11:47:44 AM



#62
 4-Bromofluorobenzene
 Concen: 50.67 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Tgt Ion: 95 Resp: 218339
 Ion Ratio Lower Upper
 95 100
 174 102.4 0.0 201.8
 176 99.7 0.0 196.8





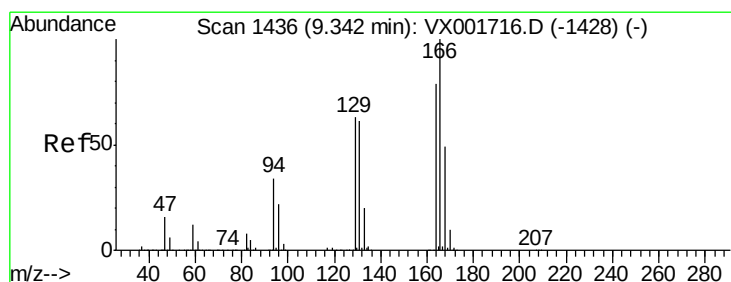
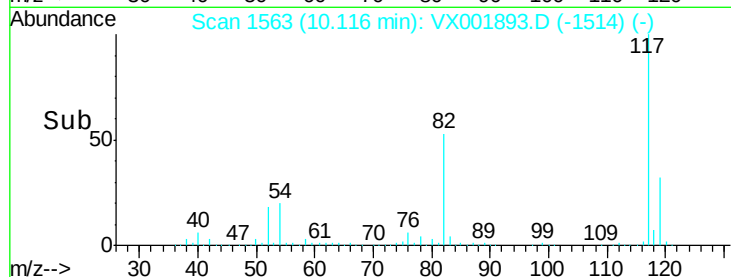
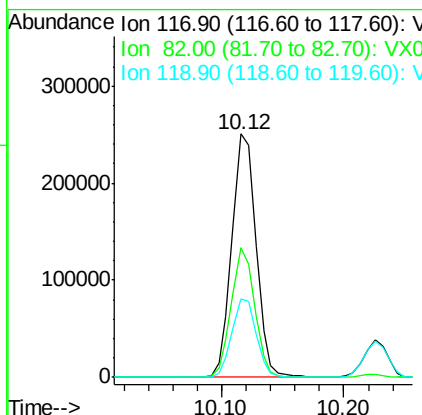
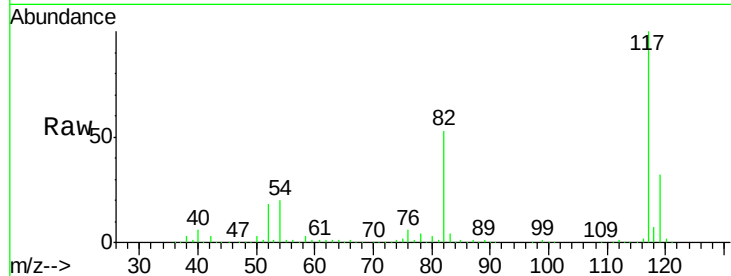
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.4	62.2
119	32.3	25.6	38.4

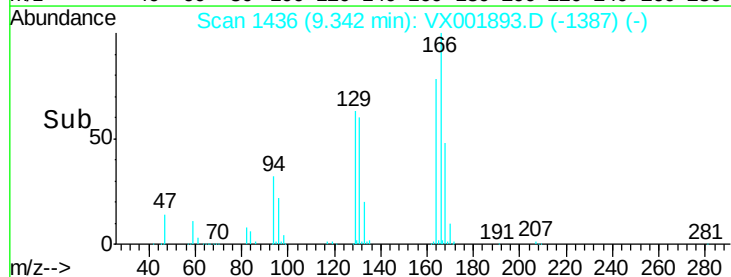
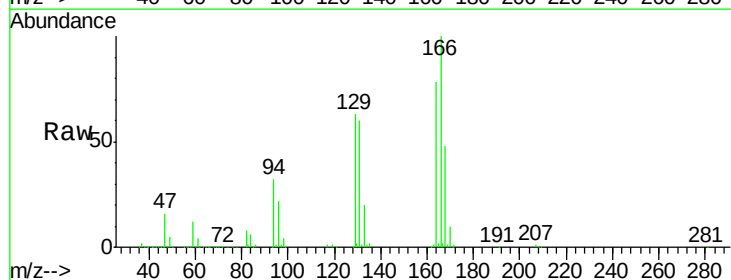
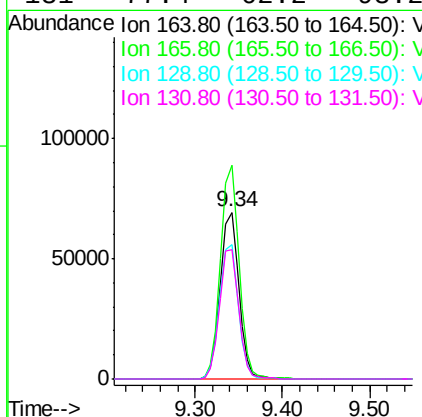
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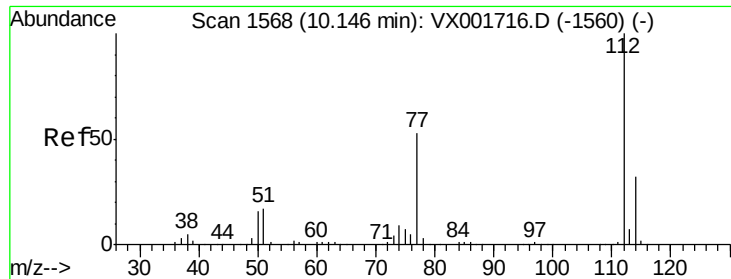
MMDadoda
5/24/2018 11:47:44 AM



#64
Tetrachloroethene
Concen: 22.89 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.8	152.8
129	80.8	63.8	95.6
131	77.4	62.2	93.2





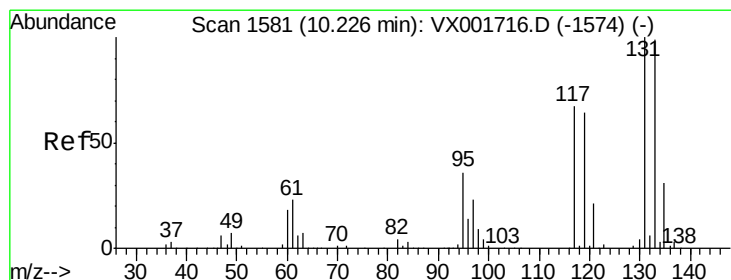
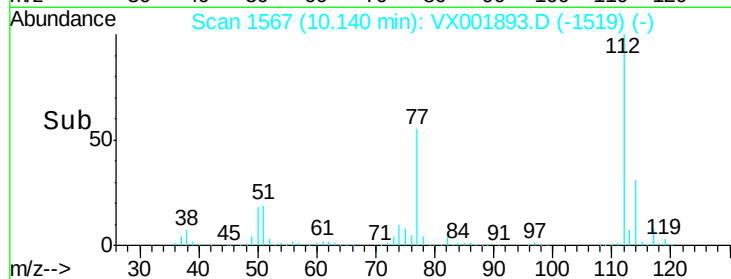
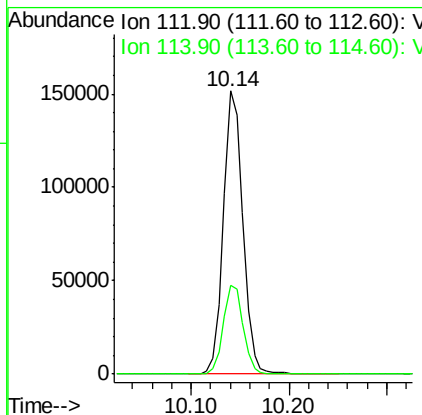
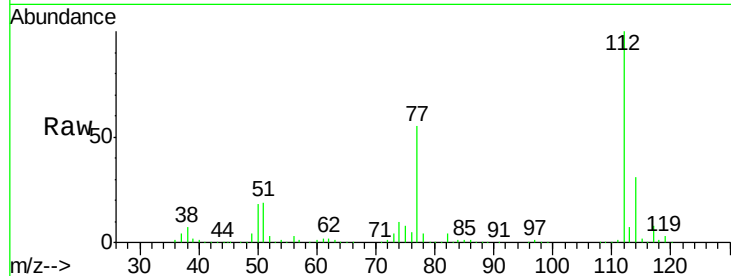
#65
Chlorobenzene
Concen: 22.21 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion:112 Resp: 209891
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4

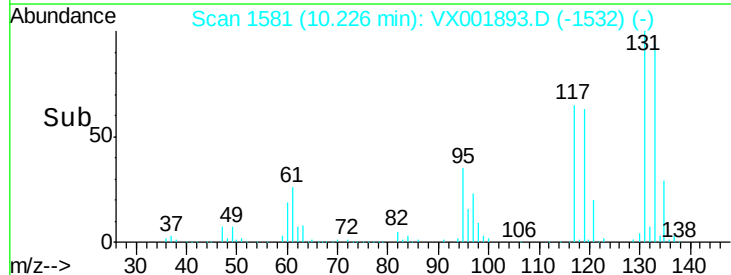
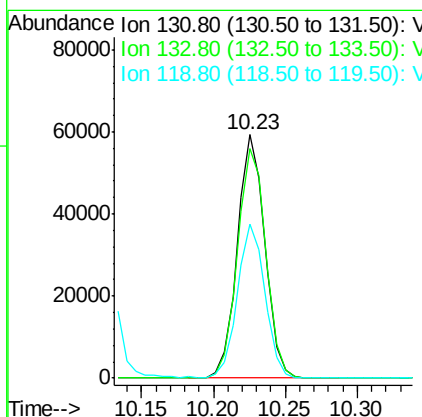
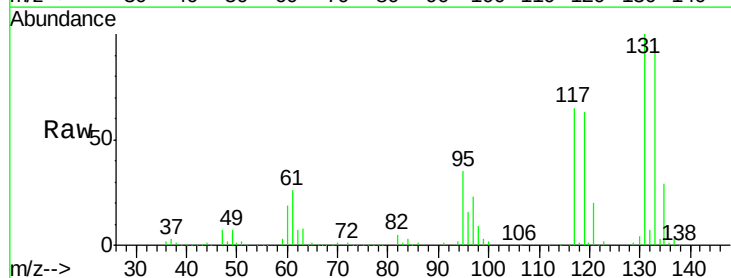
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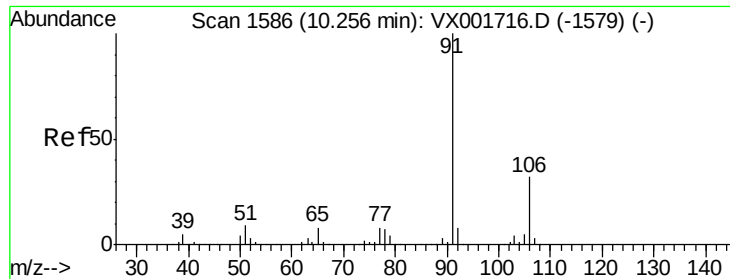
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.58 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion:131 Resp: 78705
Ion Ratio Lower Upper
131 100
133 97.3 48.5 145.6
119 63.7 31.9 95.5





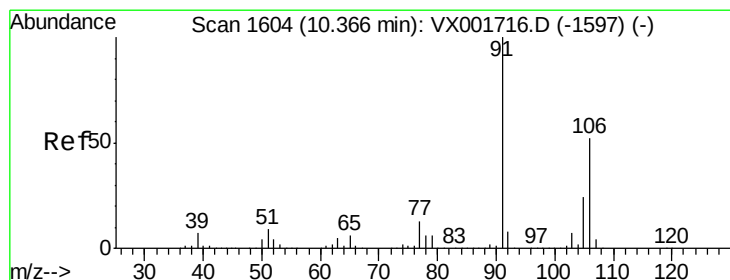
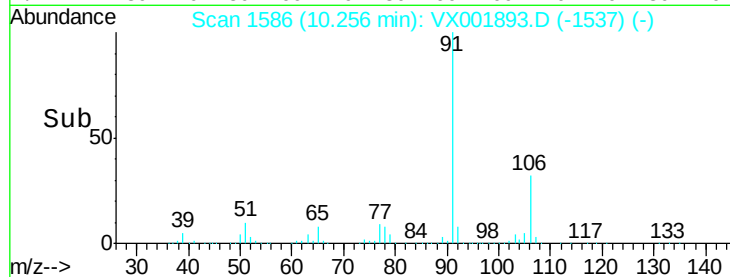
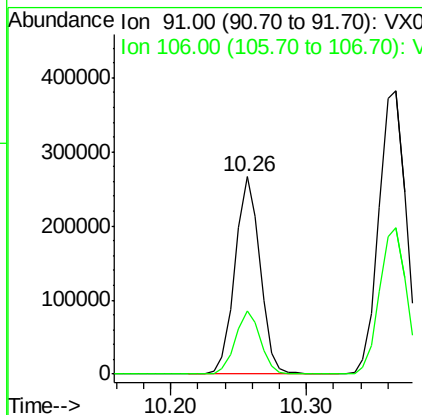
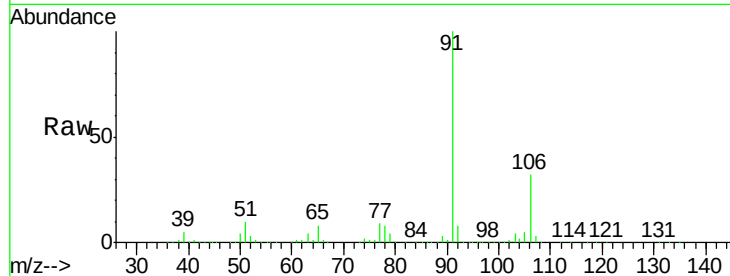
#67
Ethyl Benzene
Concen: 22.62 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion: 91 Resp: 341587
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

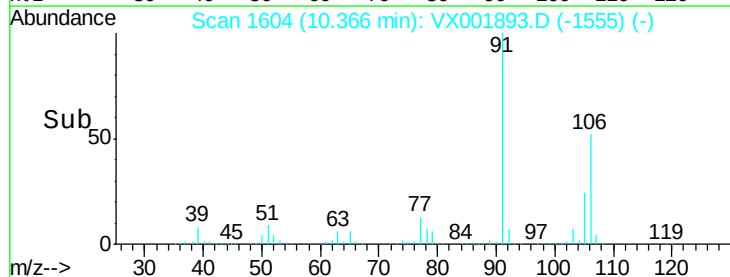
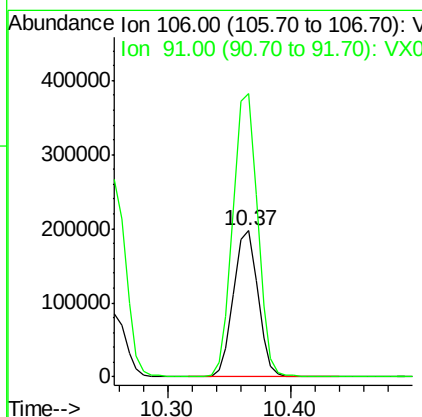
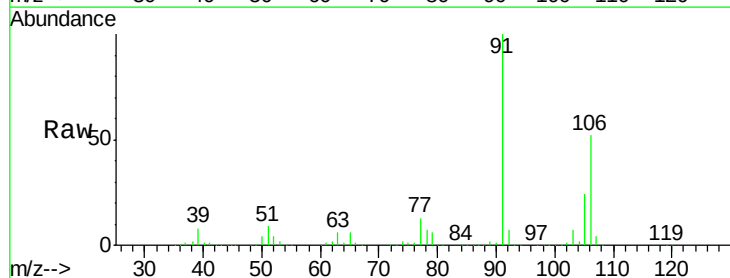
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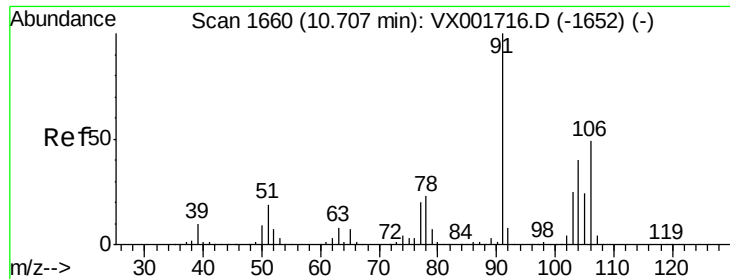
MMDadoda
5/24/2018 11:47:44 AM



#68
m/p-Xylenes
Concen: 45.79 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion: 106 Resp: 272867
Ion Ratio Lower Upper
106 100
91 196.4 155.4 233.2





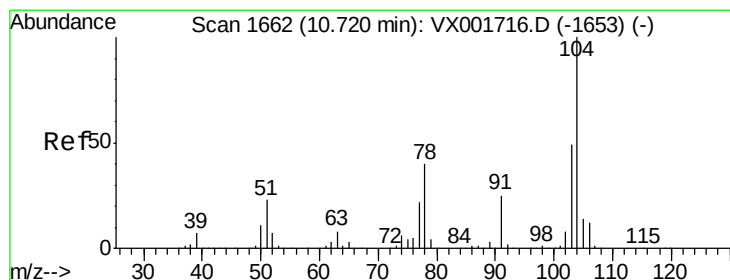
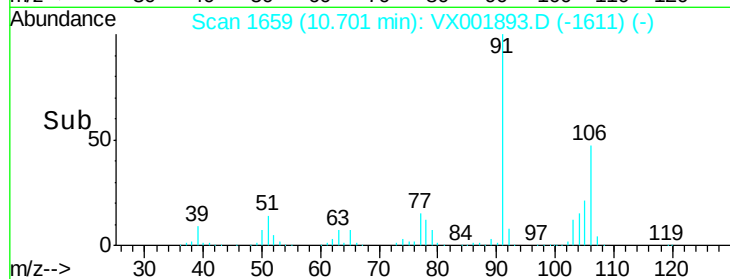
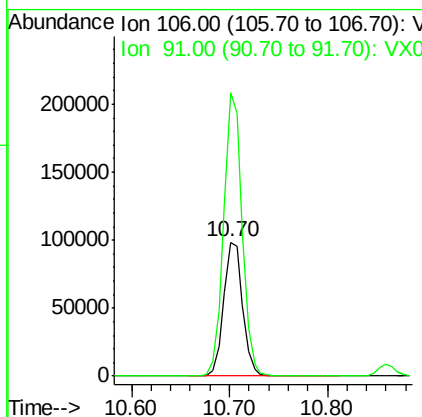
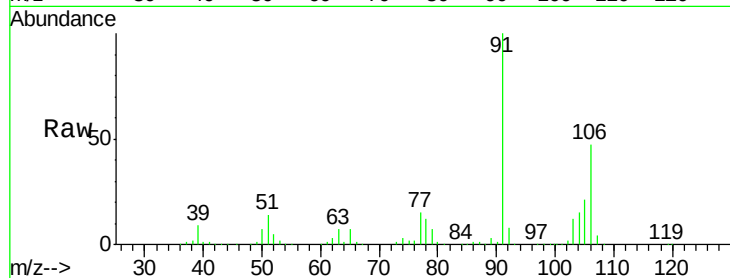
#69
o-Xylene
Concen: 23.19 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion:106 Resp: 132314
Ion Ratio Lower Upper
106 100
91 206.4 103.4 310.2

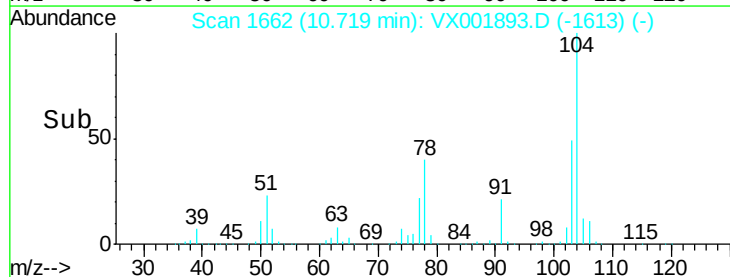
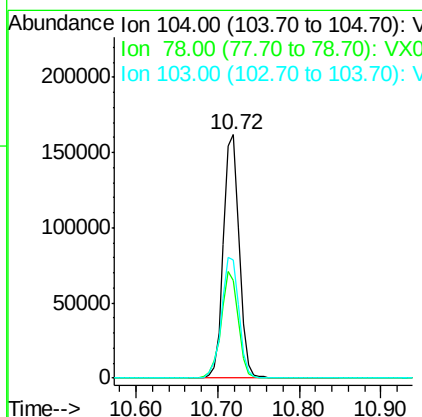
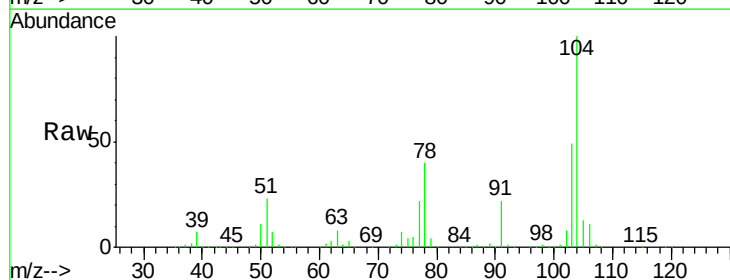
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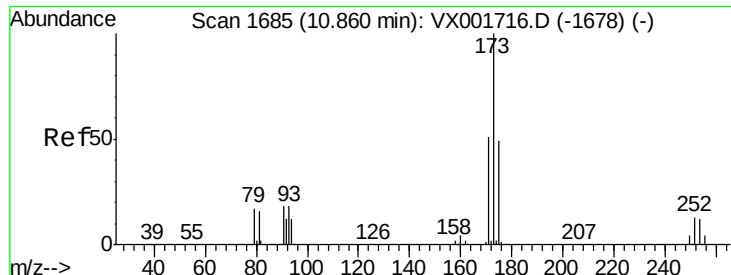
MMDadoda
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#70
Styrene
Concen: 23.22 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion:104 Resp: 218508
Ion Ratio Lower Upper
104 100
78 47.2 37.3 55.9
103 54.5 43.7 65.5





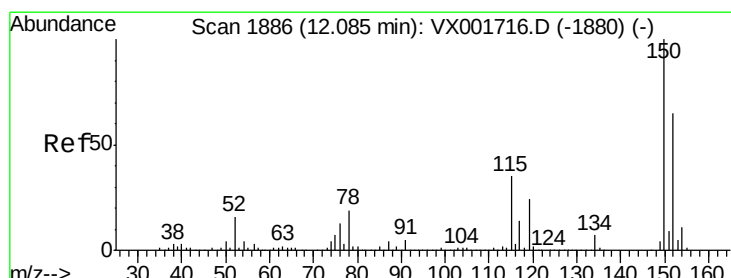
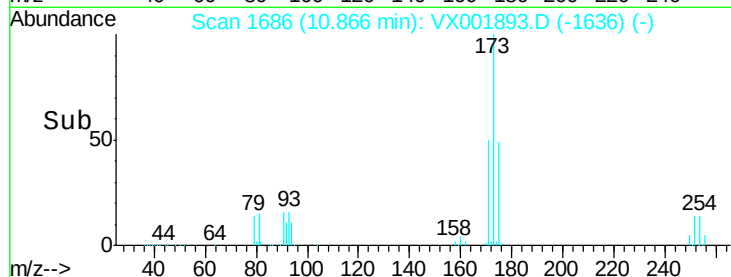
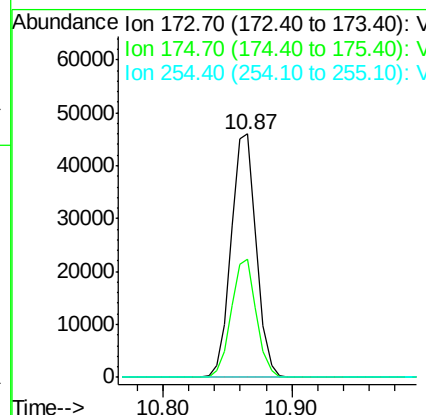
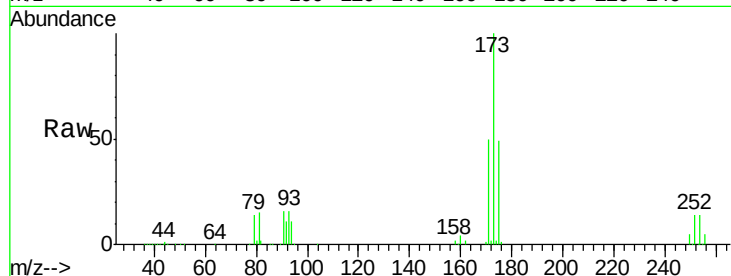
#71
Bromoform
Concen: 22.10 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.8
254	0.3	0.2	0.2#

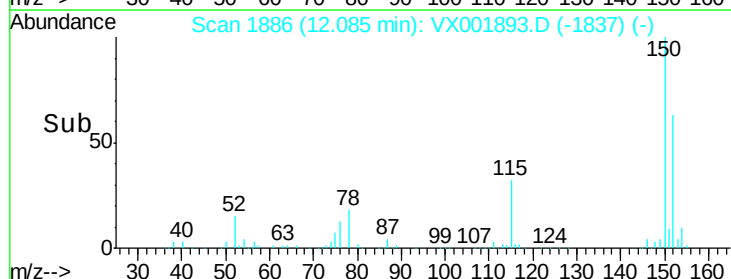
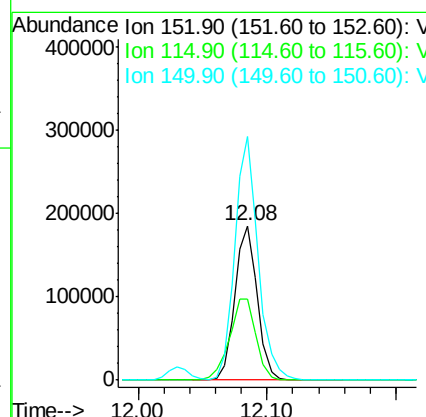
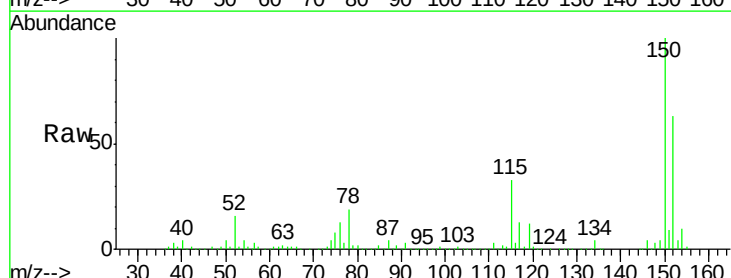
Manual Integrations
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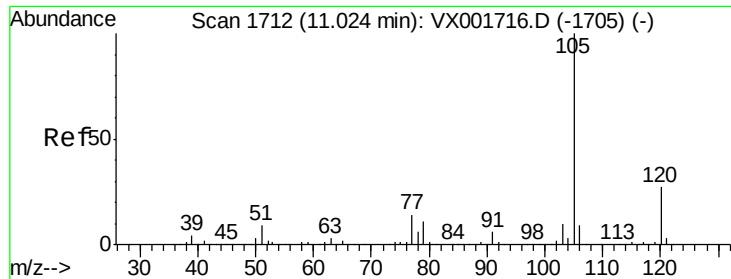
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.2	37.4	112.2
150	164.5	0.0	344.8





#73

Isopropylbenzene

Concen: 24.44 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion:105 Resp: 361096

Ion Ratio Lower Upper

105 100

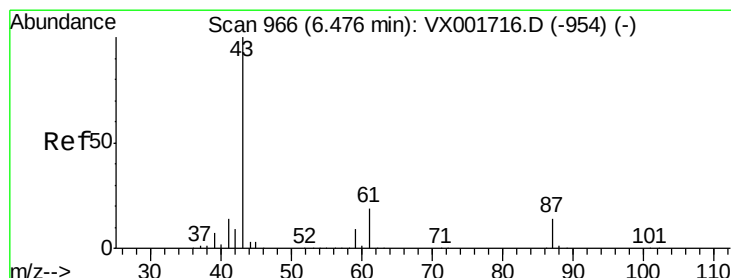
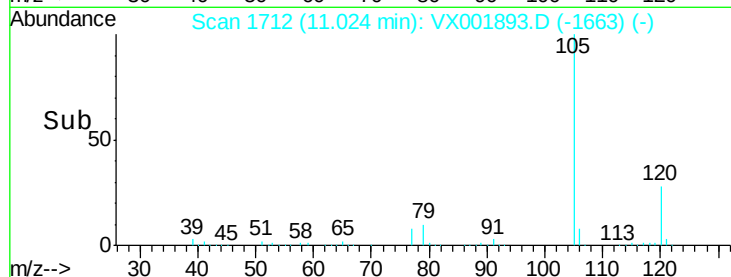
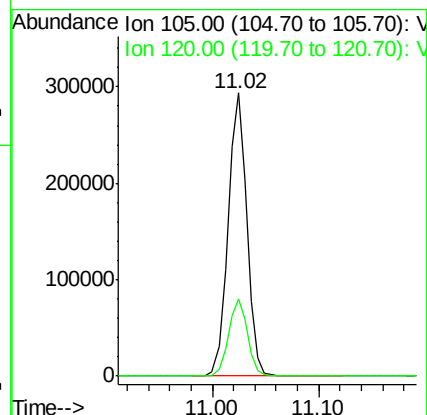
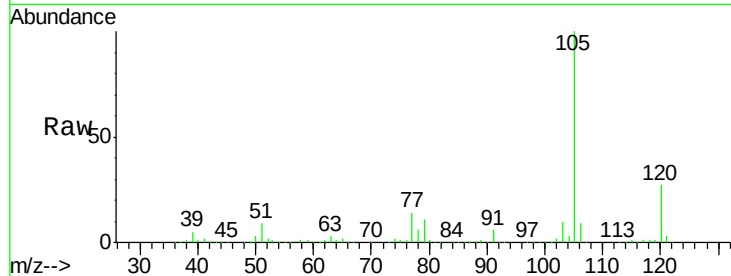
120 27.5 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 24.29 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Tgt Ion: 43 Resp: 172057

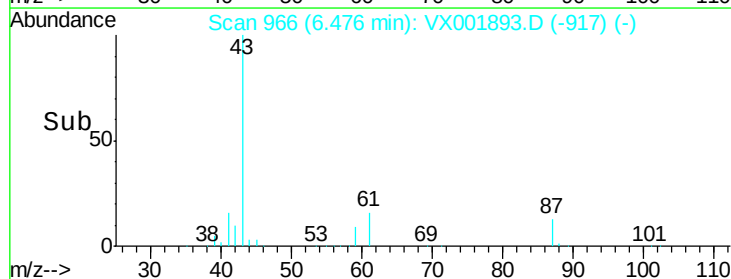
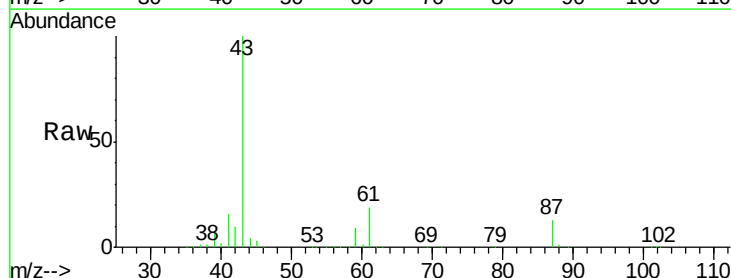
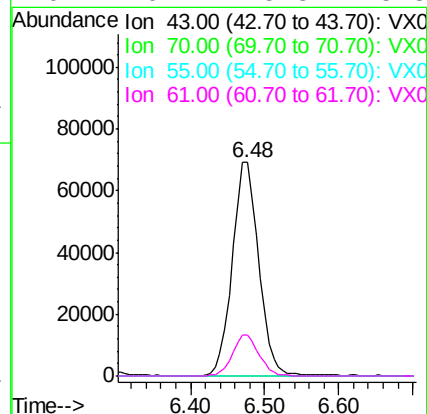
Ion Ratio Lower Upper

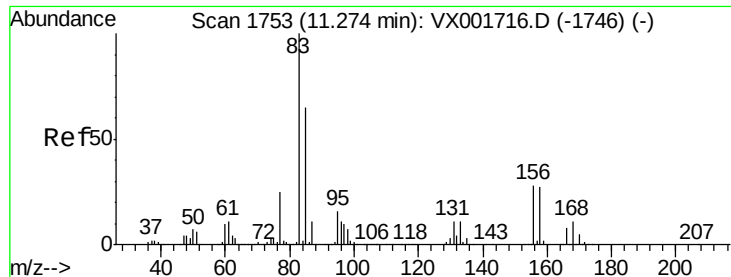
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 19.4 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 24.30 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

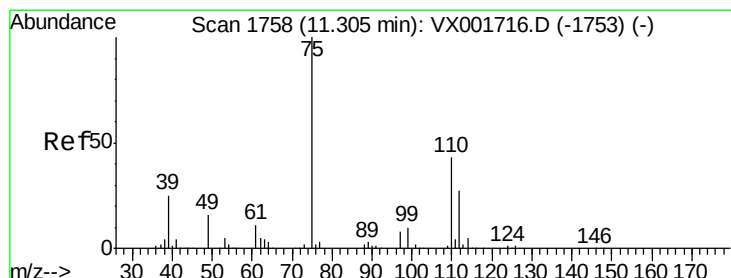
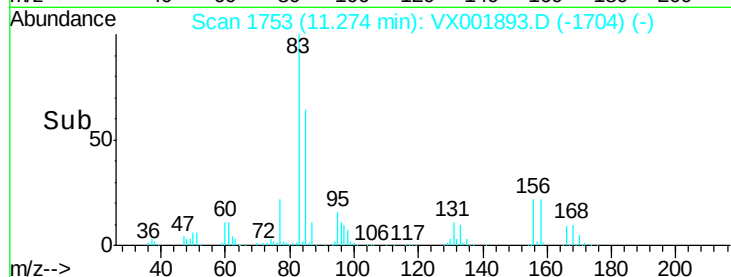
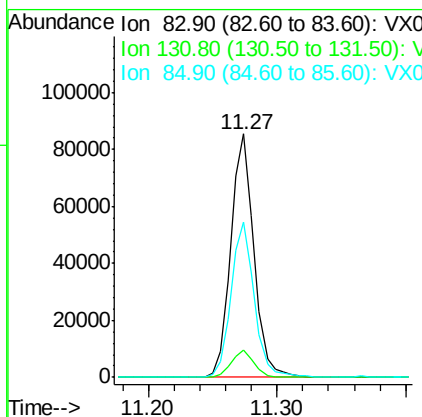
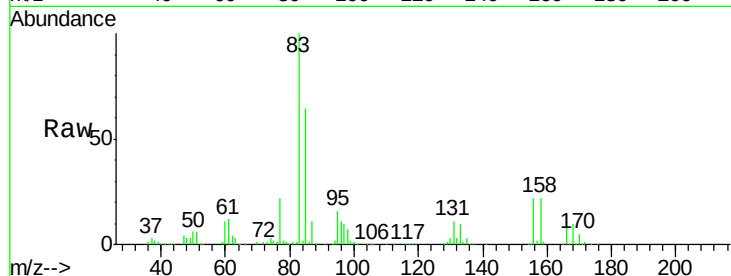
ClientSampleId :

VX0522WBS01

Tot Ion:	83	Resp:	107684
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.0
85	63.9	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 24.78 ug/l m

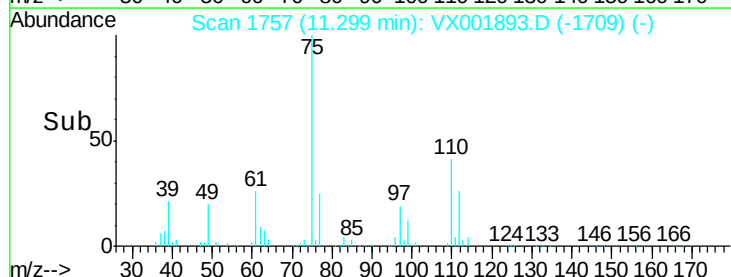
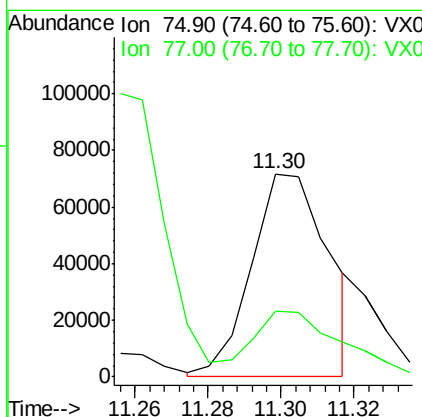
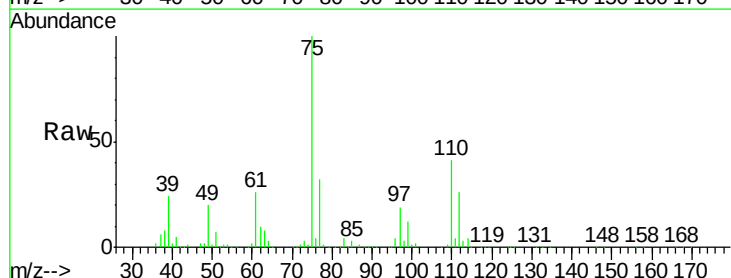
RT: 11.30 min Scan# 1757

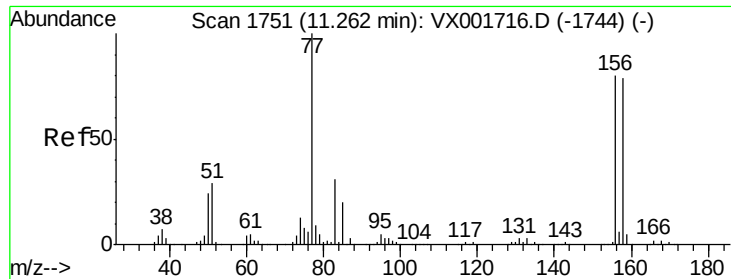
Delta R.T. -0.01 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Tgt Ion:	75	Resp:	105724
Ion Ratio	Lower	Upper	
75	100		
77	37.9	18.9	56.7





#77

Bromobenzene

Concen: 23.22 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

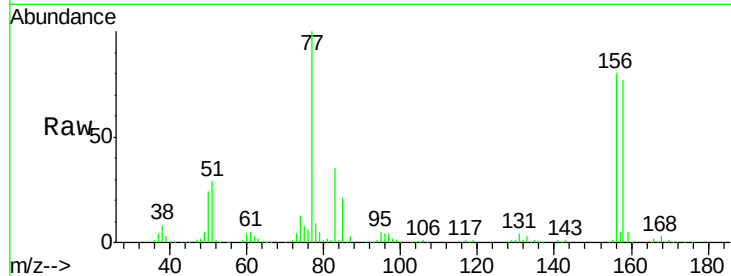
ClientSampleId :

VX0522WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.4	65.3	196.0
158	97.6	49.1	147.3

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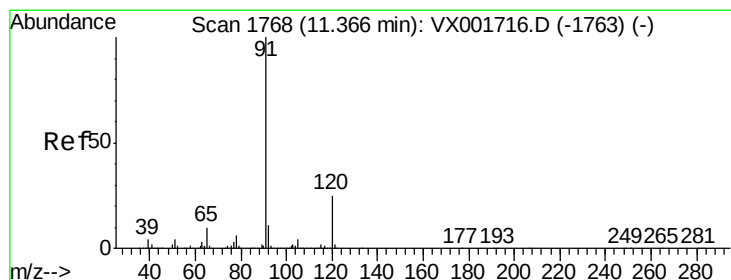
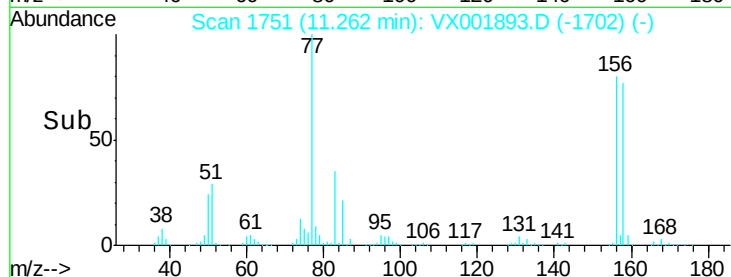
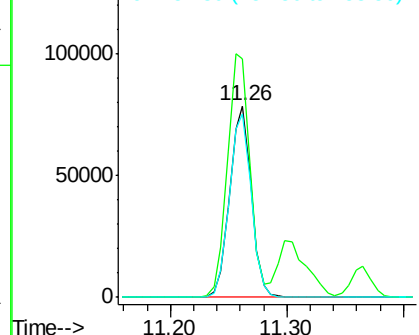
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.94 ug/l

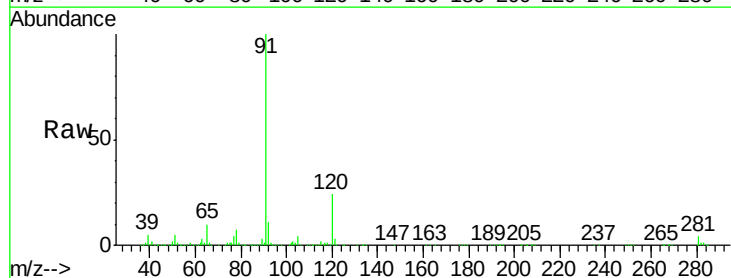
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001893.D

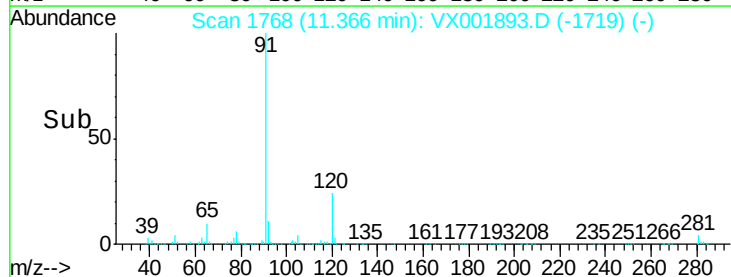
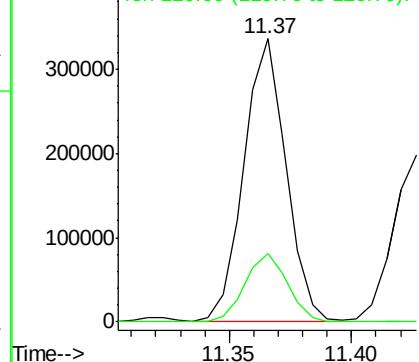
Acq: 22 May 2018 15:10

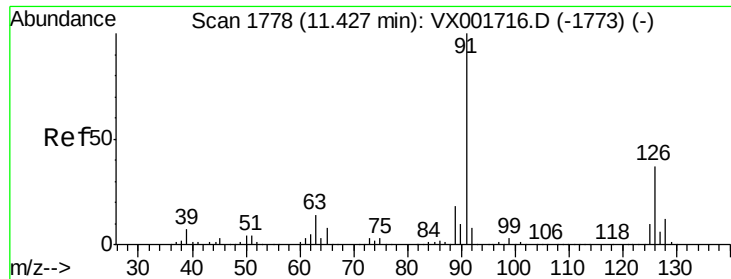
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.26 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion: 91 Resp: 241476

Ion Ratio Lower Upper

91 100

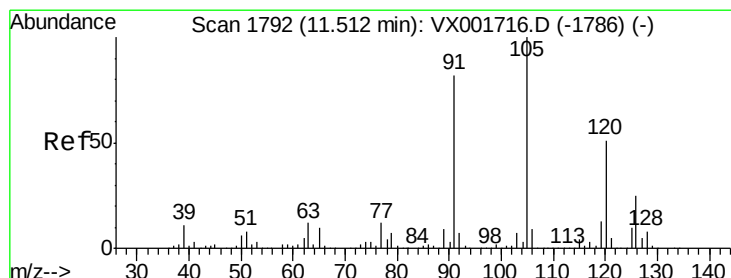
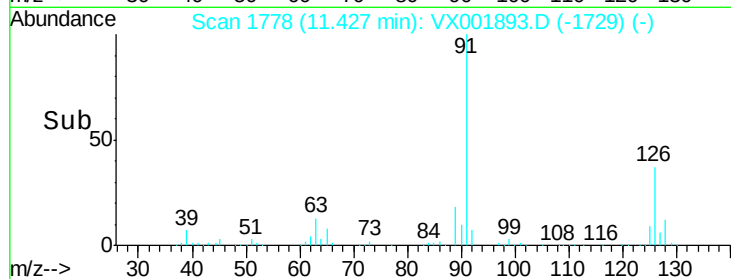
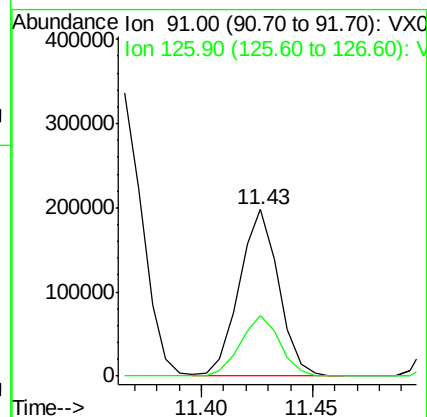
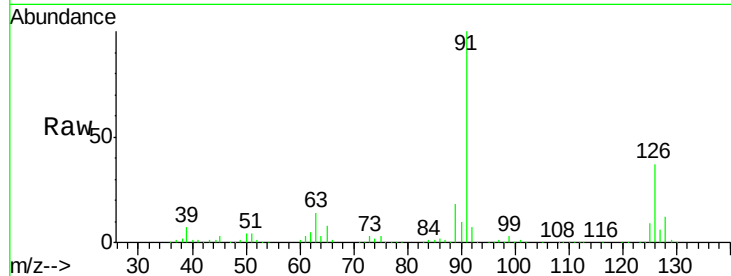
126 36.6 18.4 55.4

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#80

1,3,5-Trimethylbenzene

Concen: 24.93 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001893.D

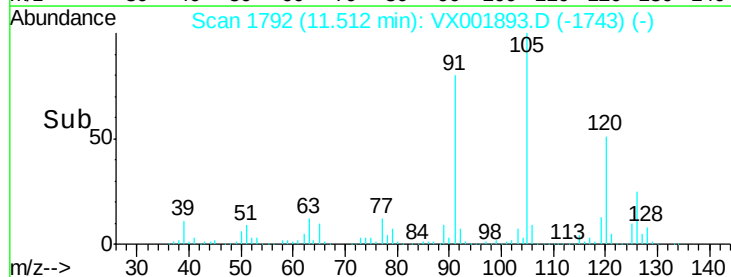
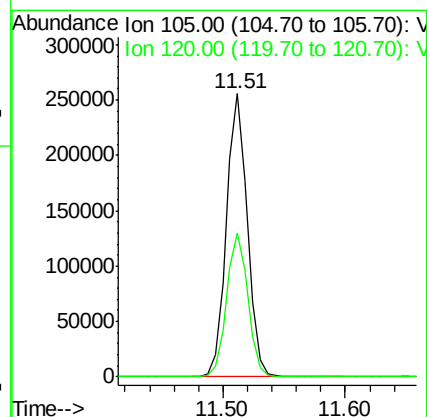
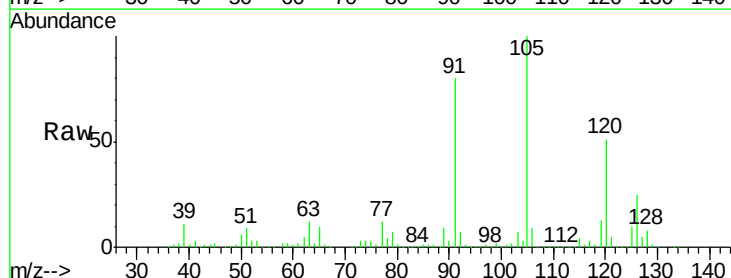
Acq: 22 May 2018 15:10

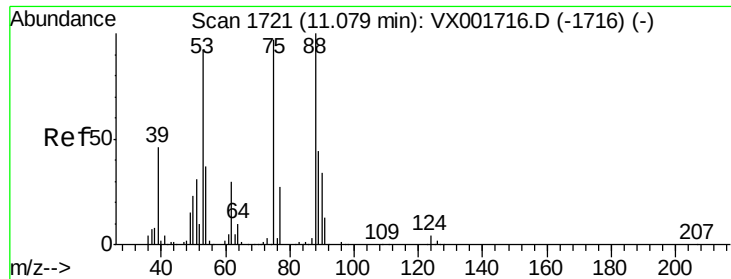
Tgt Ion: 105 Resp: 302161

Ion Ratio Lower Upper

105 100

120 51.8 25.7 77.0





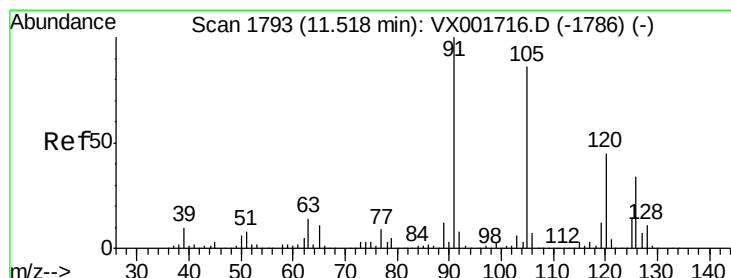
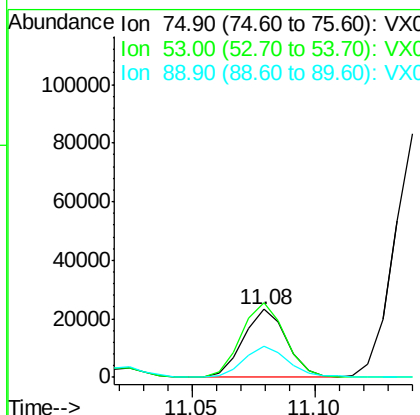
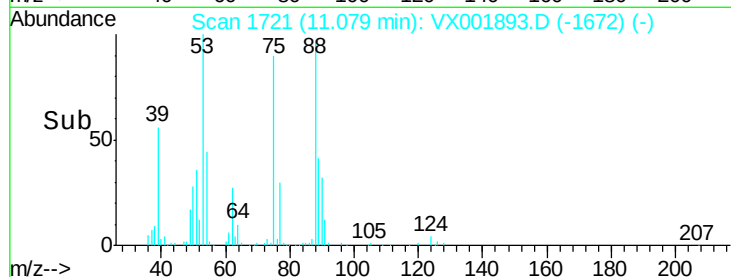
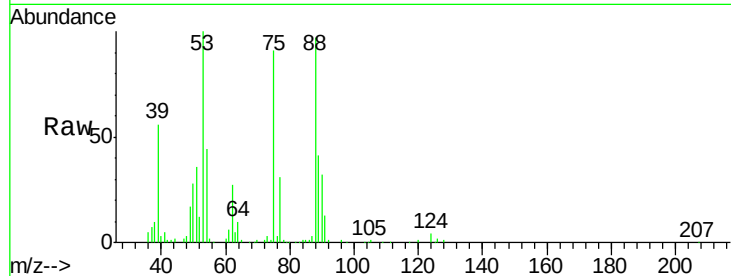
#81
trans-1,4-Dichloro-2-butene
Concen: 21.78 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.4	79.4	119.2
89	47.5	38.8	58.2

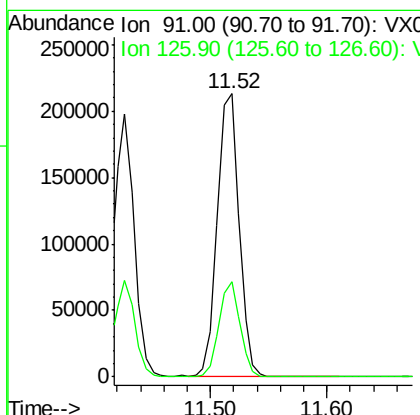
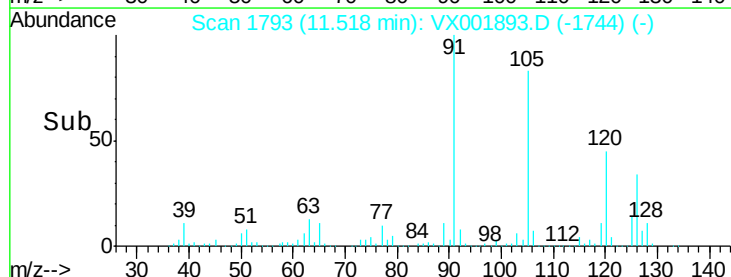
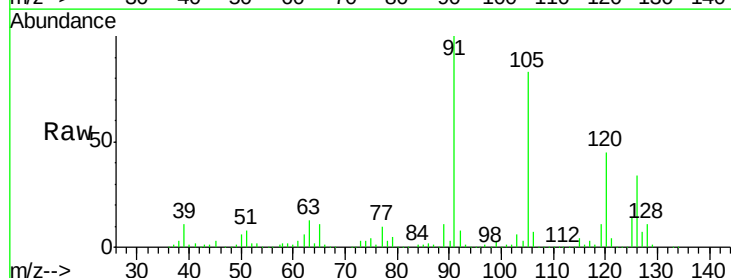
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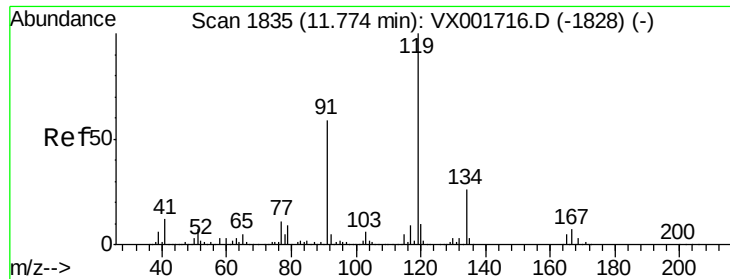
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#82
4-Chlorotoluene
Concen: 23.48 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.1





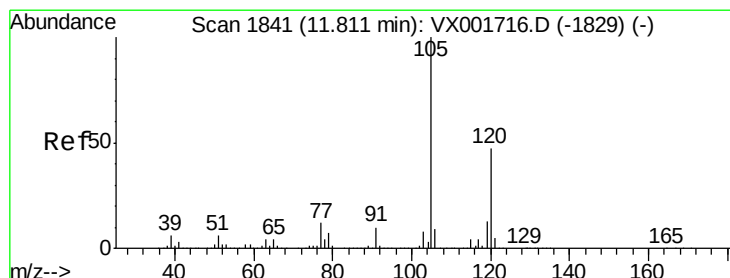
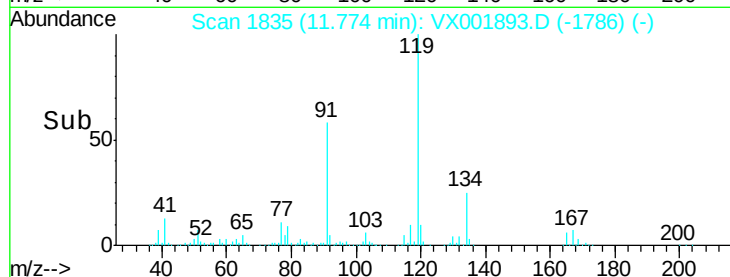
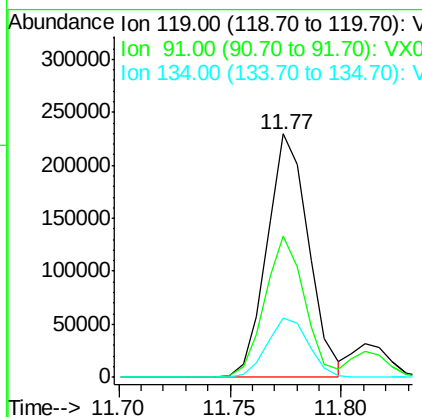
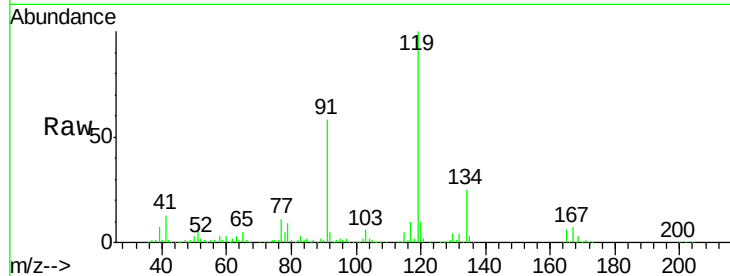
#83
 tert-Butylbenzene
 Concen: 24.66 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	297379		
91	55.5		27.7	83.0
134	24.8		12.7	38.1

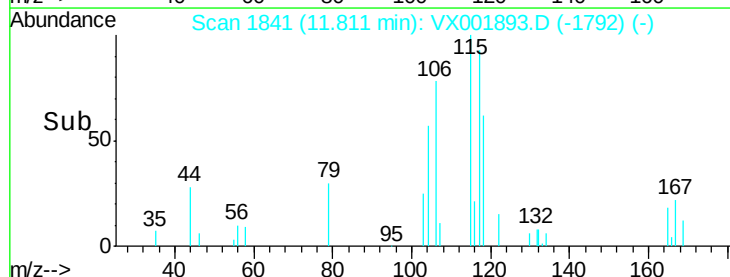
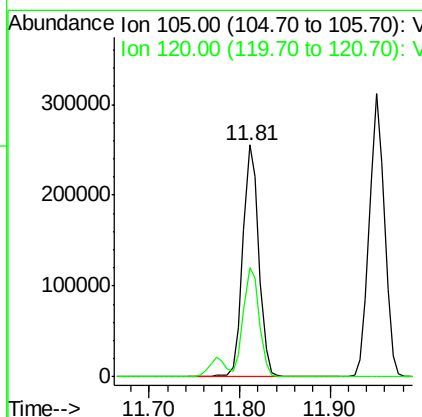
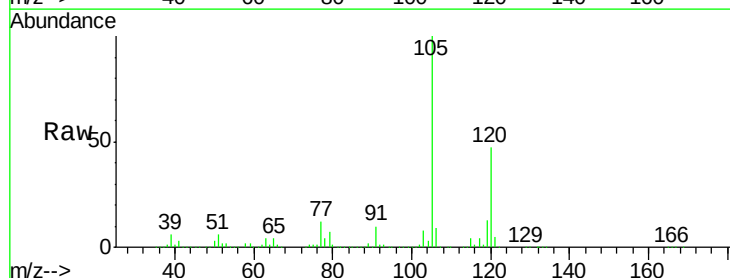
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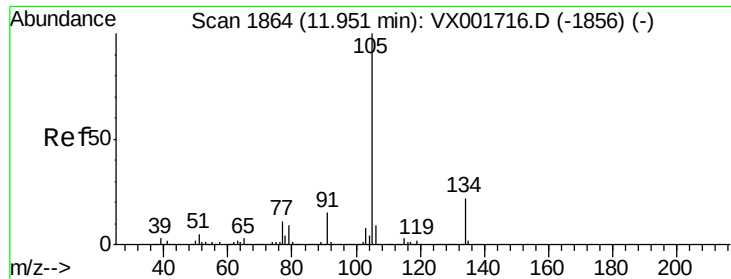
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#84
 1,2,4-Trimethylbenzene
 Concen: 24.78 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	310982		
120	47.1		23.5	70.5





#85

sec-Butylbenzene

Concen: 24.50 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion:105 Resp: 364717

Ion Ratio Lower Upper

105 100

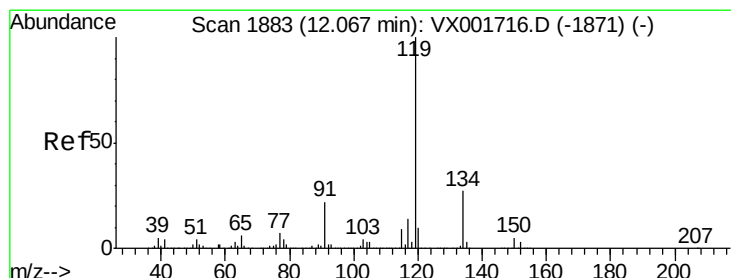
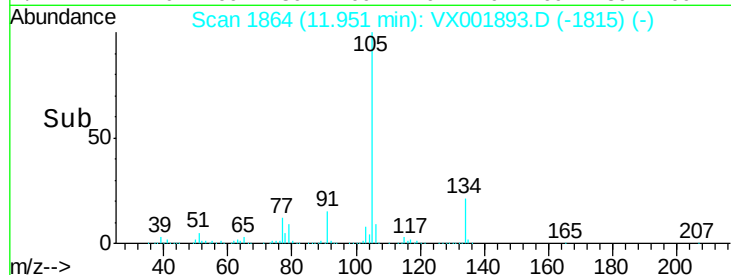
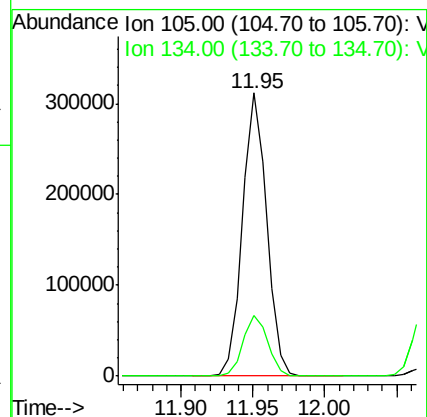
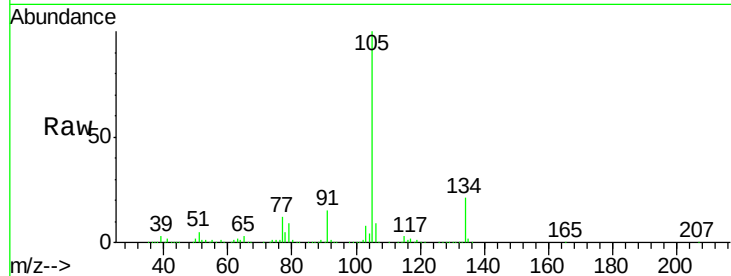
134 22.0 10.9 32.6

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#86

p-Isopropyltoluene

Concen: 24.27 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

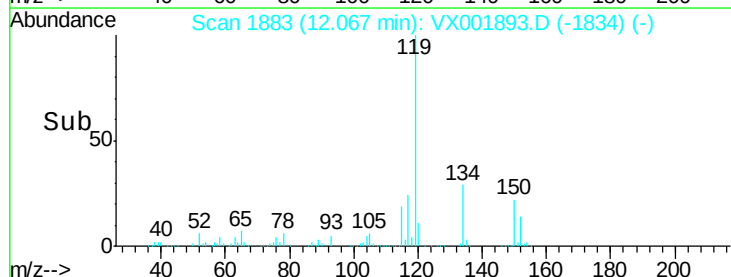
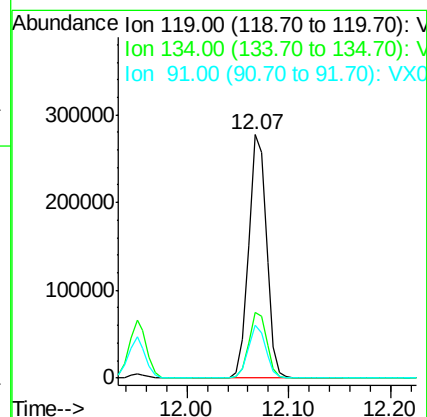
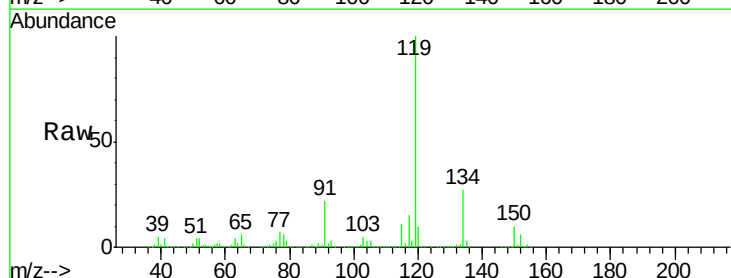
Tgt Ion:119 Resp: 334330

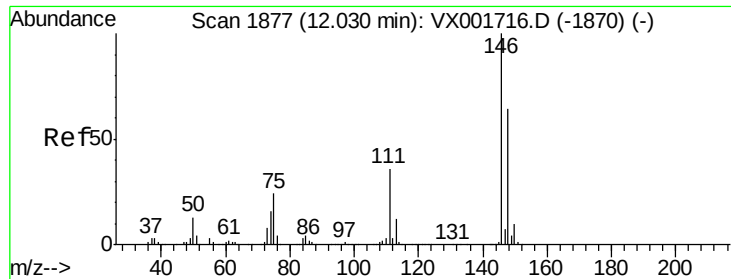
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 21.6 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 22.96 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

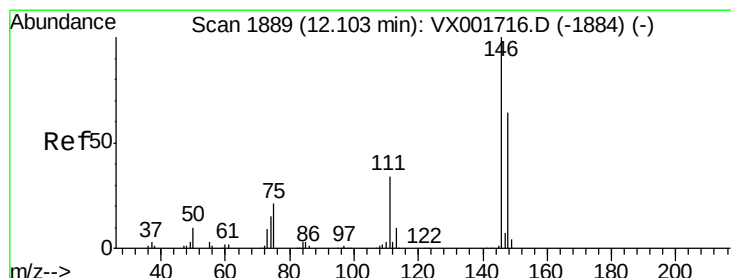
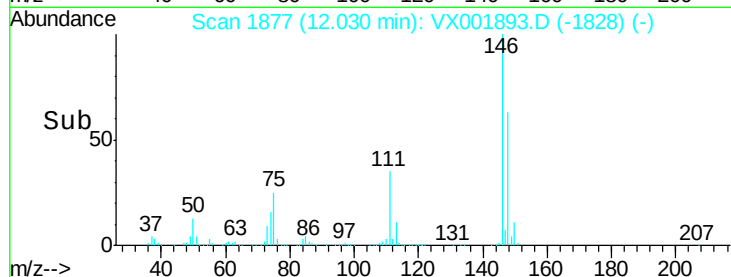
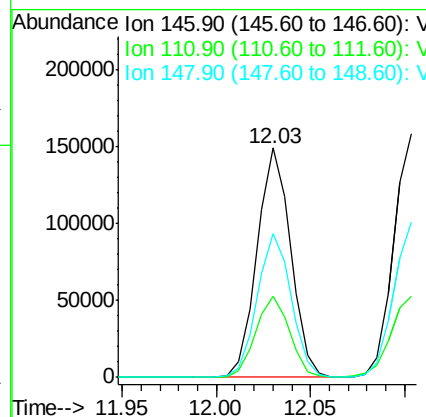
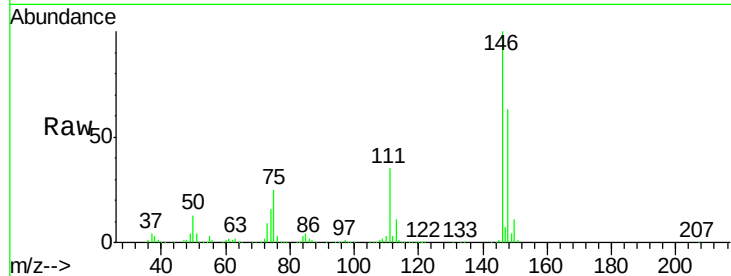
ClientSampleId :

VX0522WBS01

Tot Ion:	146	Resp:	184354
Ion Ratio	Lower	Upper	
146	100		
111	35.7	17.8	53.4
148	63.6	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 22.56 ug/l

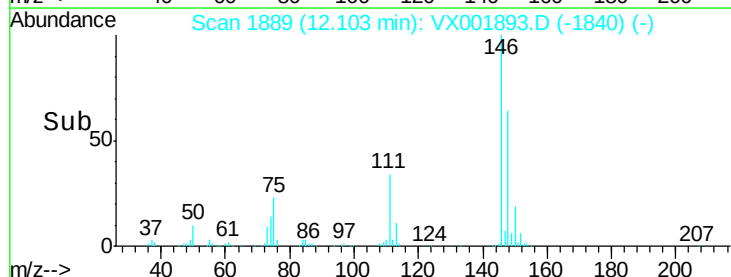
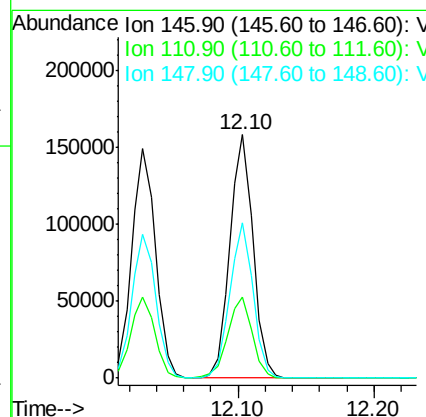
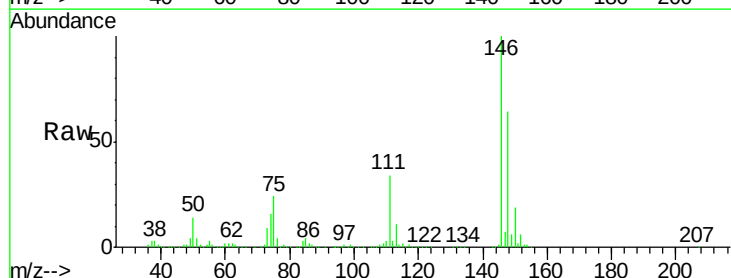
RT: 12.10 min Scan# 1889

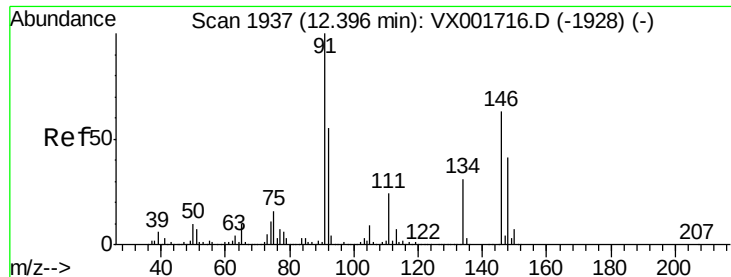
Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Tgt Ion:	146	Resp:	187292
Ion Ratio	Lower	Upper	
146	100		
111	35.4	17.3	52.0
148	64.0	32.3	96.9





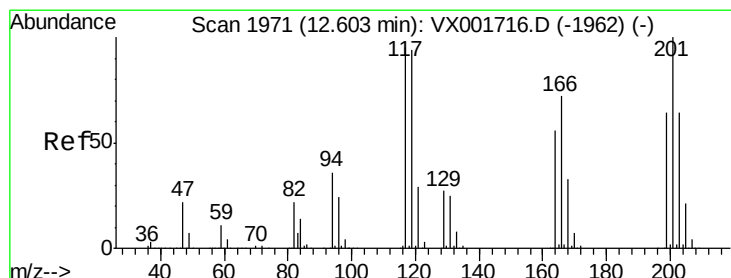
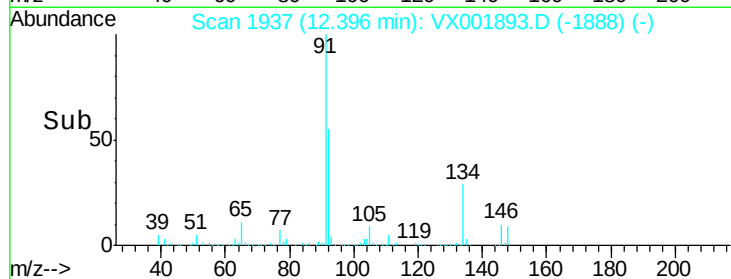
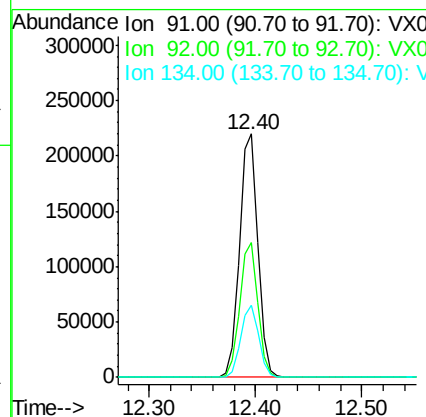
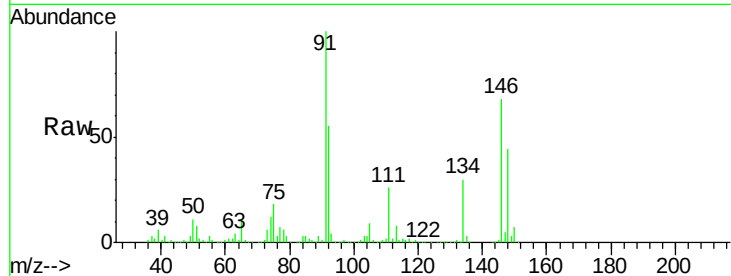
#89
n-Butylbenzene
Concen: 22.35 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	266331		
92	54.4	27.3	81.9	
134	29.0	14.7	44.1	

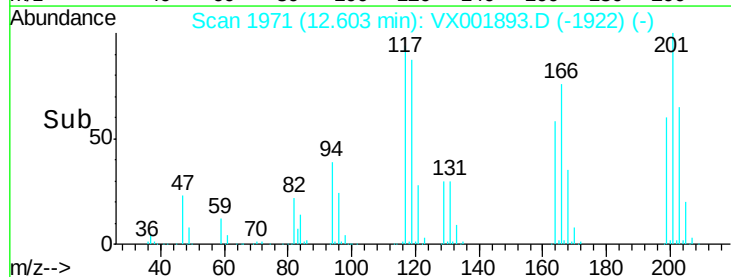
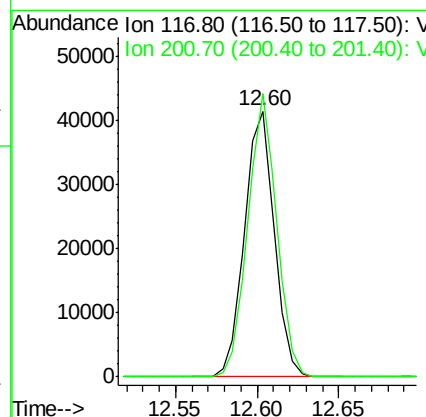
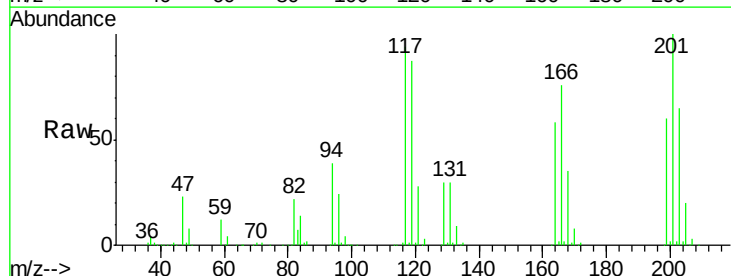
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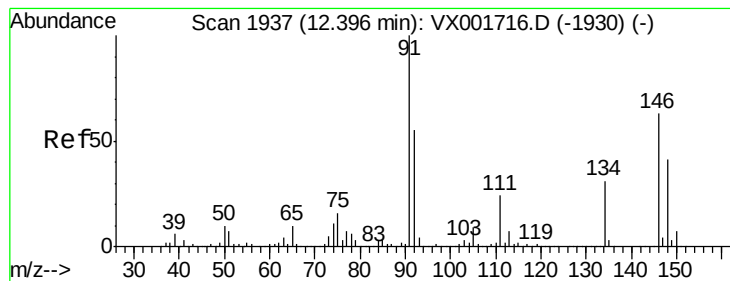
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#90
Hexachloroethane
Concen: 24.72 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001893.D
Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52897		
201	103.0	51.9	155.7	





#91

1,2-Dichlorobenzene

Concen: 23.14 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS01

Tot Ion:146 Resp: 185119

Ion Ratio Lower Upper

146 100

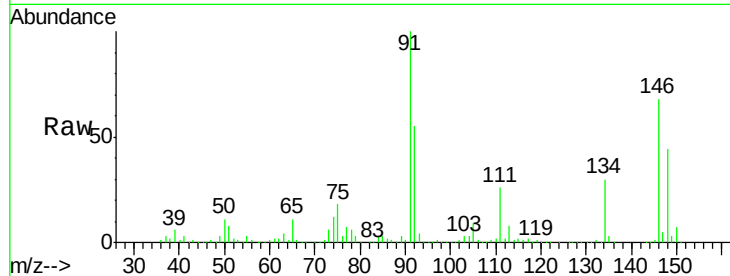
111 37.9 18.6 56.0

148 64.9 32.4 97.0

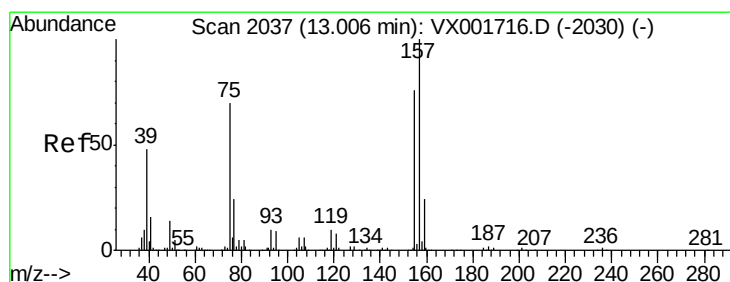
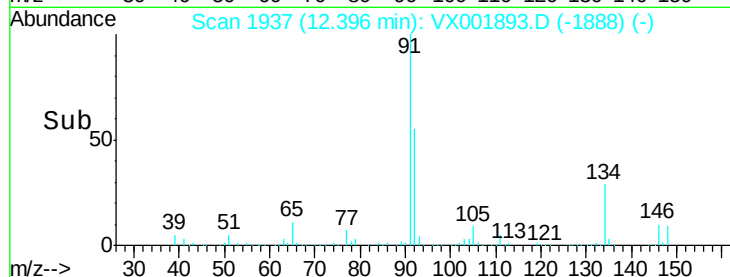
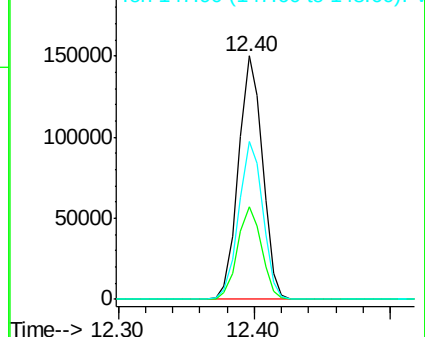
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 25.05 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

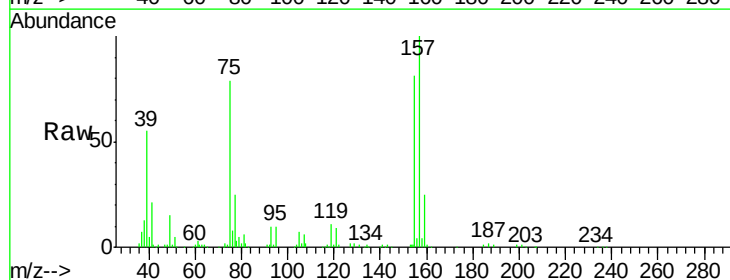
Tgt Ion: 75 Resp: 23697

Ion Ratio Lower Upper

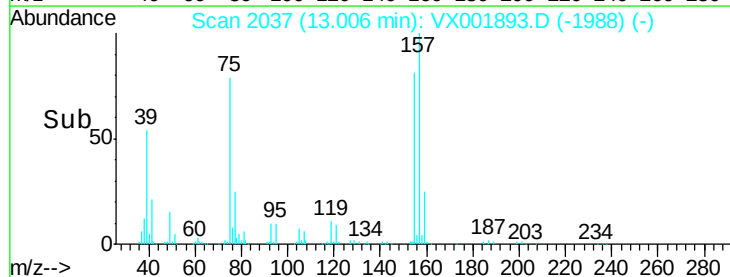
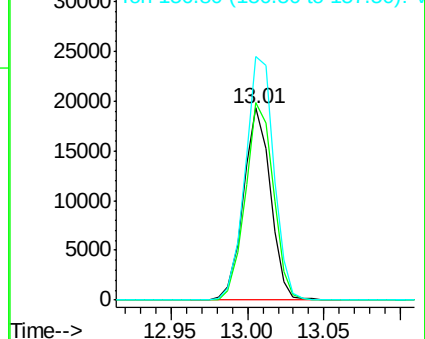
75 100

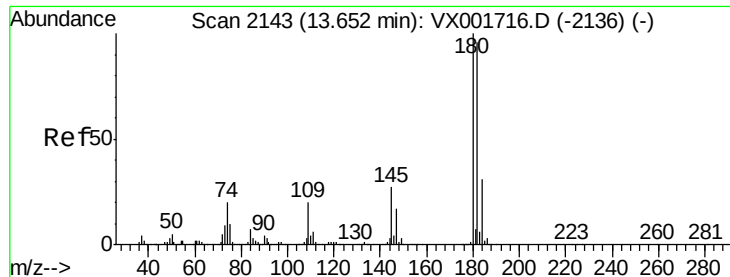
155 106.0 53.9 161.8

157 134.1 71.0 213.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





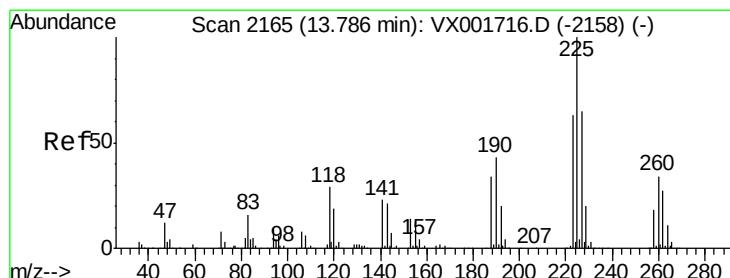
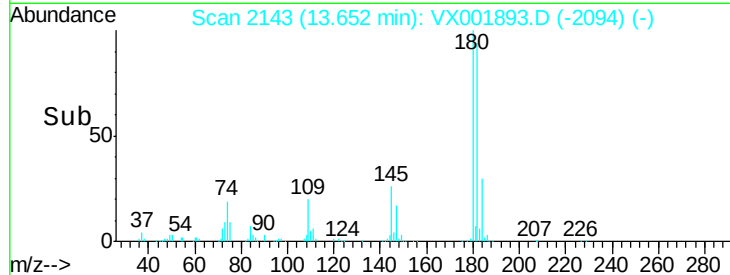
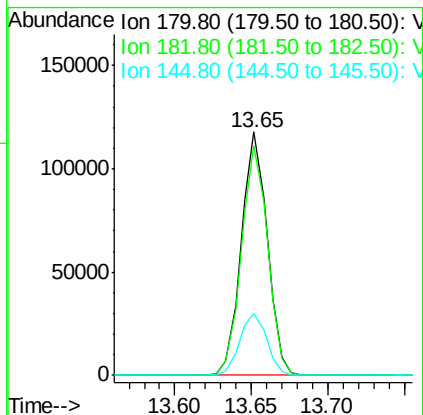
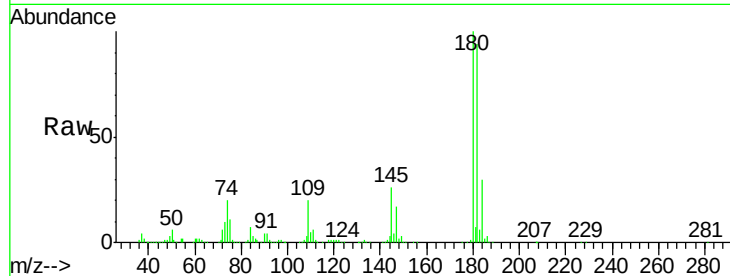
#93
 1,2,4-Trichlorobenzene
 Concen: 21.69 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.6	142.9	
145	26.7	13.4	40.1	

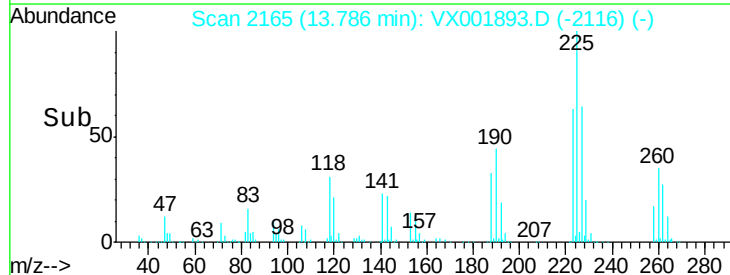
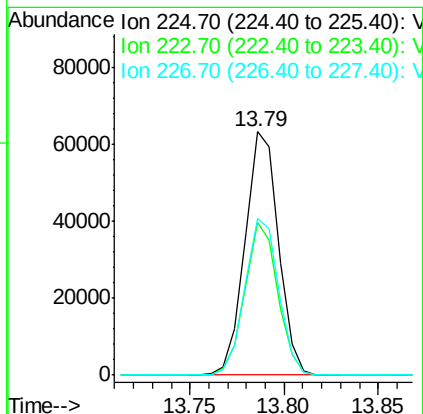
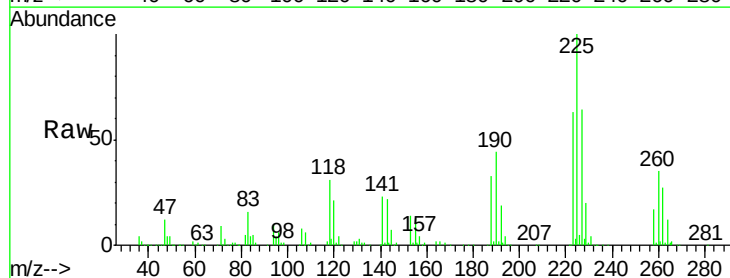
Manual Integrations
 APPROVED

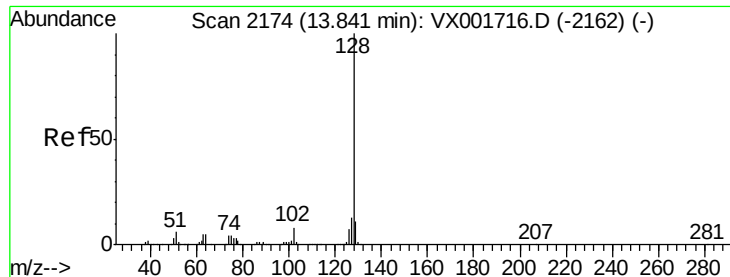
MMDadoda
 5/24/2018 11:47:44 AM



#94
 Hexachlorobutadiene
 Concen: 22.74 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001893.D
 Acq: 22 May 2018 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.8	31.1	93.5	
227	65.0	31.9	95.5	





#95

Naphthalene

Concen: 23.18 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Instrument :

MSVOA_X

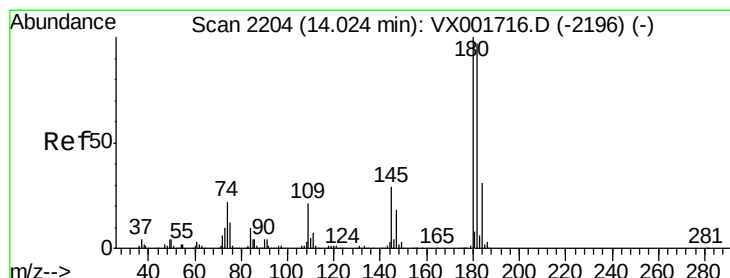
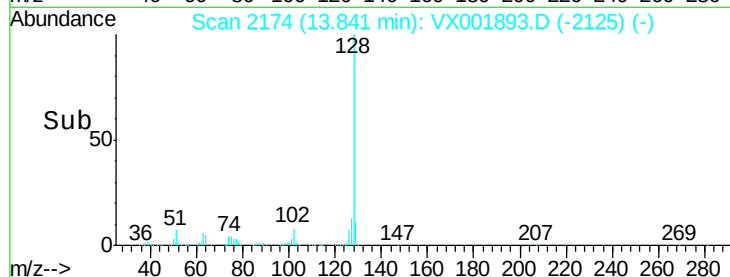
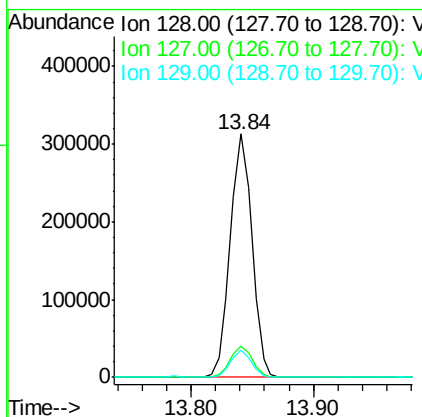
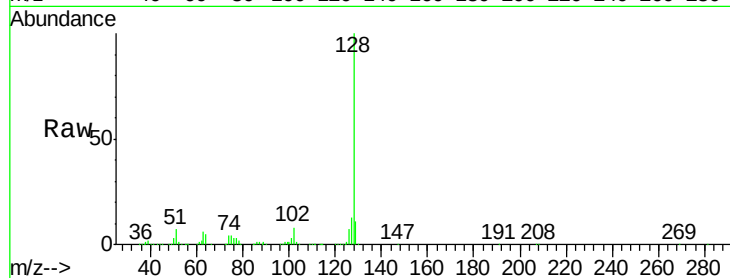
ClientSampleId :

VX0522WBS01

Tot Ion:	128	Resp:	384217
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.28 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001893.D

Acq: 22 May 2018 15:10

Tgt Ion:	180	Resp:	143054
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.9	143.7
145	28.6	14.2	42.8

