

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050718\
 Data File : VX001477.D
 Acq On : 07 May 2018 20:14
 Operator : JC/MD
 Sample : J2659-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW303I2-20180428MSD

Manual Integrations
 APPROVED

MMDadoda
 5/9/2018 5:47:33 PM

Quant Time: May 08 07:13:47 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	241729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	317545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	221719	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	171520	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	5.51	113	141492	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	8.72	98	506904	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.14	95	194761	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	174270	53.55	ug/l	99
3) Chloromethane	1.32	50	164754	51.99	ug/l	100
4) Vinyl Chloride	1.40	62	175303	53.00	ug/l	98
5) Bromomethane	1.64	94	86411	57.60	ug/l	100
6) Chloroethane	1.72	64	113638	51.98	ug/l	98
7) Trichlorofluoromethane	1.93	101	264508	53.14	ug/l	99
8) Diethyl Ether	2.19	74	103450	53.02	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	150854	51.69	ug/l	99
10) Methyl Iodide	2.51	142	236094	56.07	ug/l	99
11) Tert butyl alcohol	3.09	59	215943	294.79	ug/l	99
12) 1,1-Dichloroethene	2.37	96	143080	53.49	ug/l	99
13) Acrolein	2.30	56	39803	276.89	ug/l	97
14) Allyl chloride	2.73	41	270070	54.15	ug/l	98
15) Acrylonitrile	3.15	53	458456	276.96	ug/l	100
16) Acetone	2.45	43	416137	263.77	ug/l	99
17) Carbon Disulfide	2.57	76	359835	52.86	ug/l	99
18) Methyl Acetate	2.78	43	224835	54.24	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	500064	53.70	ug/l	99
20) Methylene Chloride	2.86	84	160295	51.32	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	153135	51.30	ug/l	100
22) Diisopropyl ether	3.88	45	496102	53.24	ug/l	99
23) Vinyl Acetate	3.83	43	2032138	261.68	ug/l	100
24) 1,1-Dichloroethane	3.70	63	272772	52.40	ug/l	100
25) 2-Butanone	4.72	43	625494	274.28	ug/l	98
26) 2,2-Dichloropropane	4.59	77	195998	48.76	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	167883	52.81	ug/l	96
28) Bromochloromethane	5.03	49	119441	52.92	ug/l	99
29) Tetrahydrofuran	5.18	42	406430	278.54	ug/l	100
30) Chloroform	5.22	83	293041	54.65	ug/l	100
31) Cyclohexane	5.57	56	238074	53.25	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	261161	55.73	ug/l	100
36) 1,1-Dichloropropene	5.81	75	207917	51.47	ug/l	100
37) Ethyl Acetate	4.87	43	229934	51.93	ug/l	99
38) Carbon Tetrachloride	5.79	117	236769	54.96	ug/l	100

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 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	245749	51.46	ug/l	98
40) Benzene	6.15	78	631854	53.56	ug/l	100
41) Methacrylonitrile	5.07	41	136038	53.70	ug/l	99
42) 1,2-Dichloroethane	6.20	62	244008	53.81	ug/l	100
43) Isopropyl Acetate	6.48	43	367155	54.02	ug/l	100
44) Trichloroethene	7.22	130	196849	54.59	ug/l	99
45) 1,2-Dichloropropane	7.52	63	157320	53.49	ug/l	99
46) Dibromomethane	7.67	93	111325	53.46	ug/l	99
47) Bromodichloromethane	7.90	83	216780	56.25	ug/l	99
48) Methyl methacrylate	7.79	41	204809	55.34	ug/l	100
49) 1,4-Dioxane	7.76	88	92350	1154.90	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1288763	285.32	ug/l	99
52) Toluene	8.79	92	421790	54.67	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	244877	56.23	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	230708	51.18	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	167114	53.77	ug/l	99
56) Ethyl methacrylate	9.19	69	249799	55.76	ug/l	99
57) 1,3-Dichloropropane	9.38	76	275784	53.66	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	669	0.30	ug/l #	43
59) 2-Hexanone	9.51	43	978157	282.80	ug/l	100
60) Dibromochloromethane	9.59	129	180946	56.85	ug/l	98
61) 1,2-Dibromoethane	9.68	107	178029	54.56	ug/l	100
64) Tetrachloroethene	9.34	164	223801	52.44	ug/l	99
65) Chlorobenzene	10.15	112	473703	52.75	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	177696	55.32	ug/l	99
67) Ethyl Benzene	10.26	91	783437	53.23	ug/l	100
68) m/p-Xylenes	10.37	106	629824	108.30	ug/l	100
69) o-Xylene	10.71	106	307067	54.33	ug/l	99
70) Styrene	10.72	104	510784	55.63	ug/l	100
71) Bromoform	10.87	173	150499	48.81	ug/l	99
73) Isopropylbenzene	11.02	105	824260	53.70	ug/l	100
74) N-amyl acetate	6.48	43	367155	52.66	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	242782	53.55	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	238712m	53.09	ug/l	
77) Bromobenzene	11.26	156	233728	52.38	ug/l	99
78) n-propylbenzene	11.37	91	911858	54.56	ug/l	100
79) 2-Chlorotoluene	11.43	91	544691	52.96	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	688496	53.88	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	66915	47.66	ug/l	98
82) 4-Chlorotoluene	11.52	91	637240	53.70	ug/l	100
83) tert-Butylbenzene	11.77	119	673632	52.98	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	716152	54.53	ug/l	100
85) sec-Butylbenzene	11.95	105	829800	54.37	ug/l	100
86) p-Isopropyltoluene	12.07	119	771616	55.11	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	419685	52.61	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	425599	52.31	ug/l	100
89) n-Butylbenzene	12.40	91	624733	53.85	ug/l	100
90) Hexachloroethane	12.60	117	118220	56.08	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	426415	52.54	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	57531	57.76	ug/l	99

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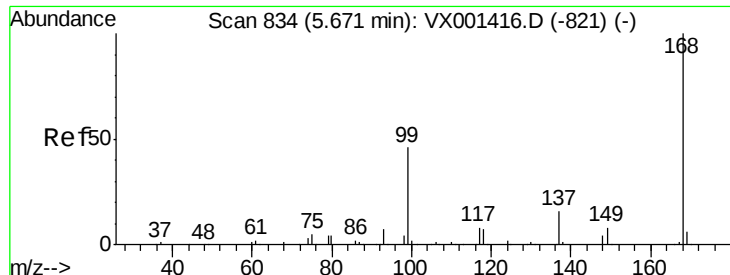
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	319313	53.77	ug/l	100
94) Hexachlorobutadiene	13.79	225	163796	50.41	ug/l	100
95) Naphthalene	13.84	128	932133	56.75	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	329794	54.12	ug/l	100

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



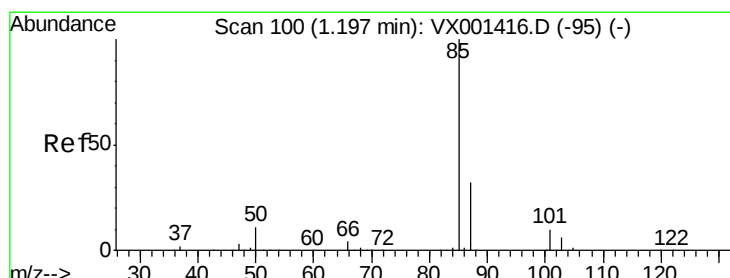
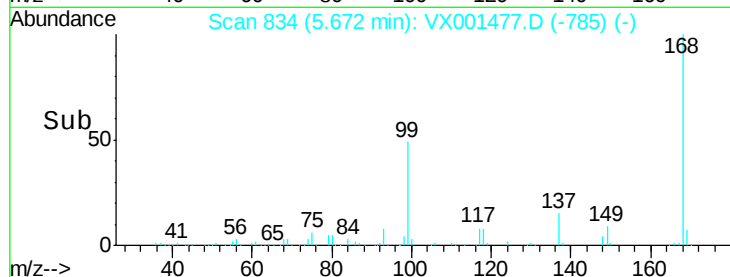
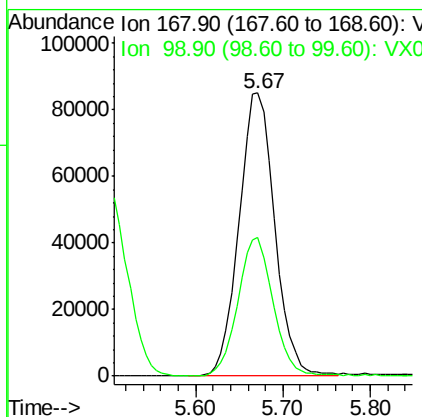
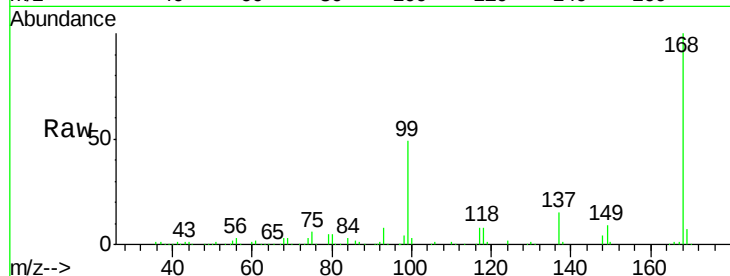
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.6	36.6	54.8

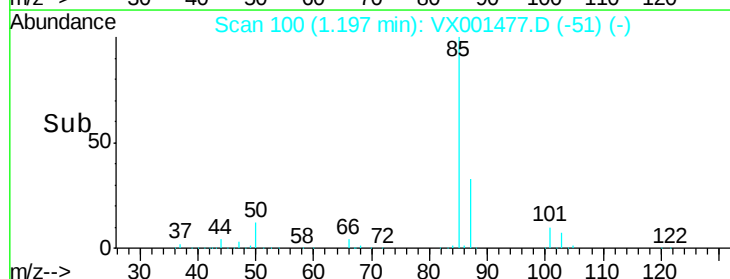
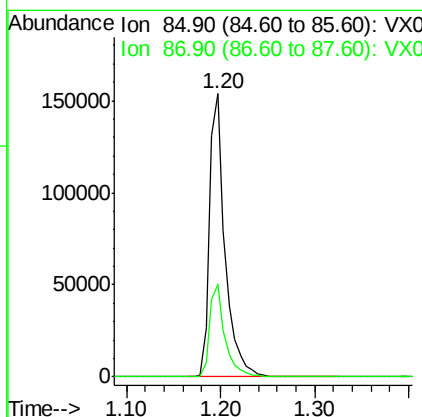
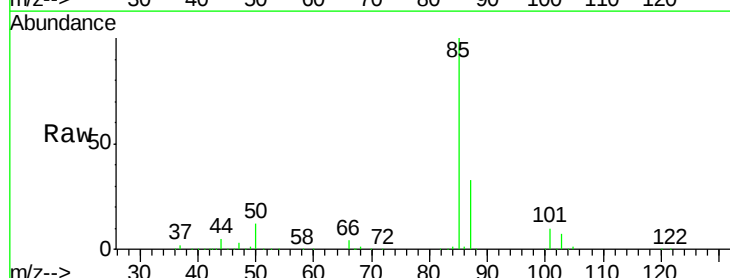
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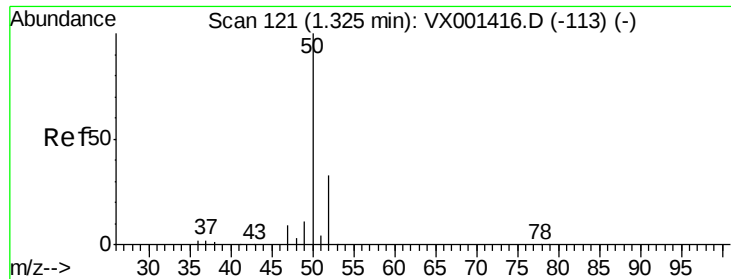
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#2
Dichlorodifluoromethane
Concen: 53.55 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.2	48.6





#3

Chloromethane

Concen: 51.99 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion: 50 Resp: 164754

Ion Ratio Lower Upper

50 100

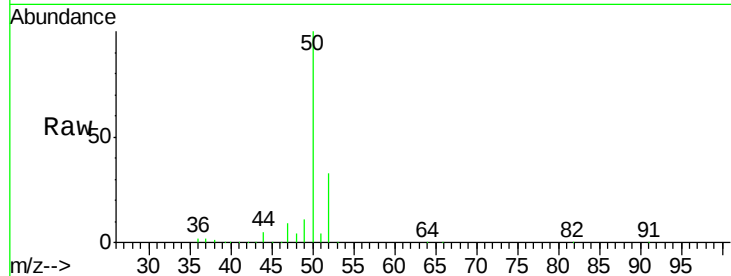
52 33.1 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

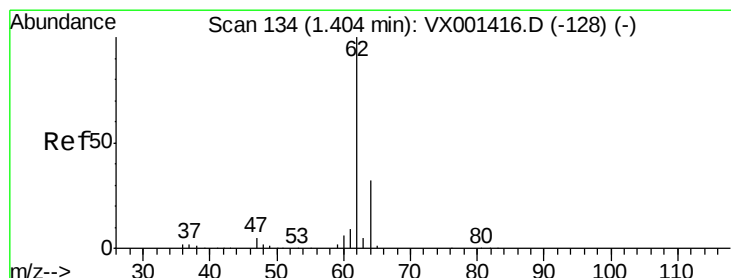
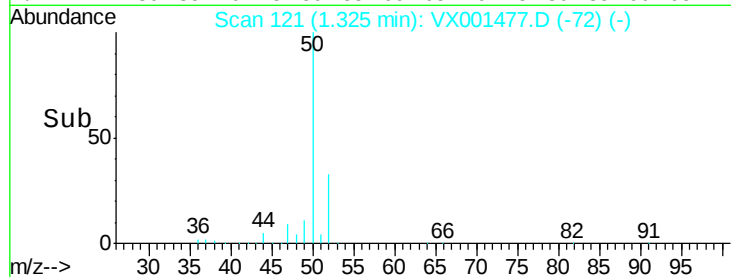
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 53.00 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001477.D

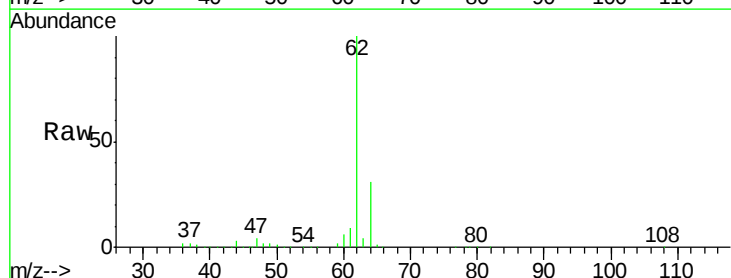
Acq: 07 May 2018 20:14

Tgt Ion: 62 Resp: 175303

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

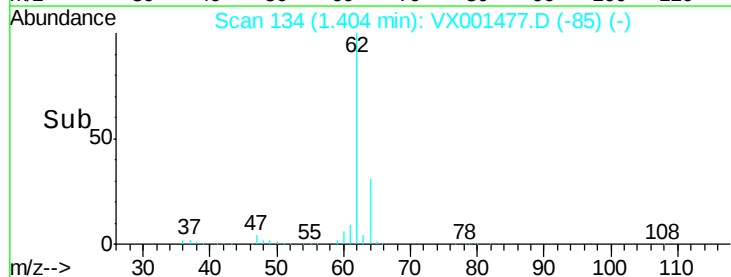
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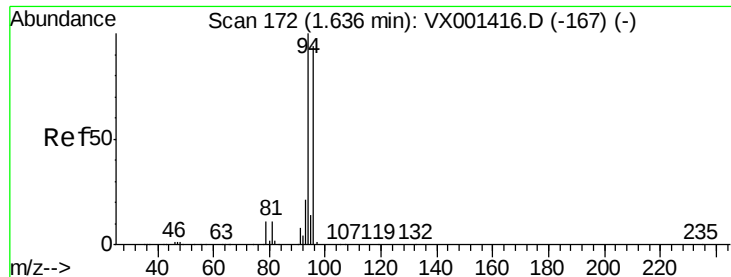
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50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 57.60 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

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ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion: 94 Resp: 86411

Ion Ratio Lower Upper

94 100

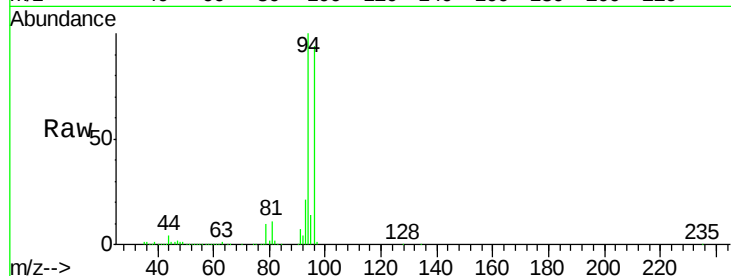
96 94.1 75.0 112.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

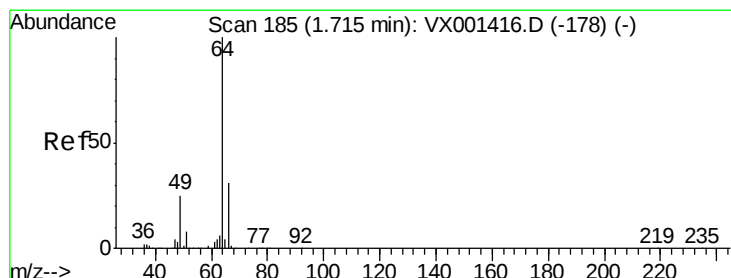
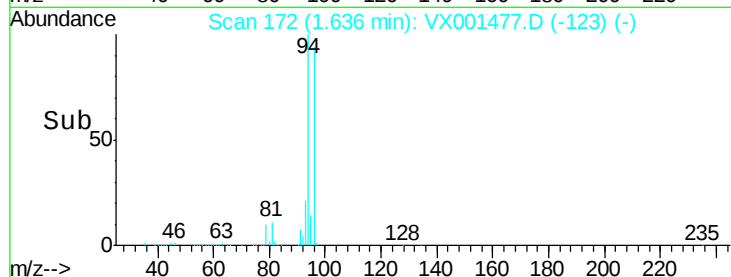
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 51.98 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001477.D

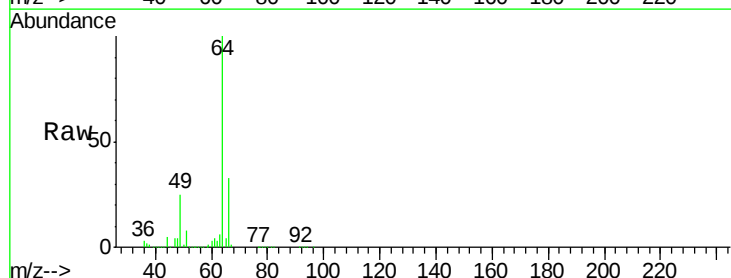
Acq: 07 May 2018 20:14

Tgt Ion: 64 Resp: 113638

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

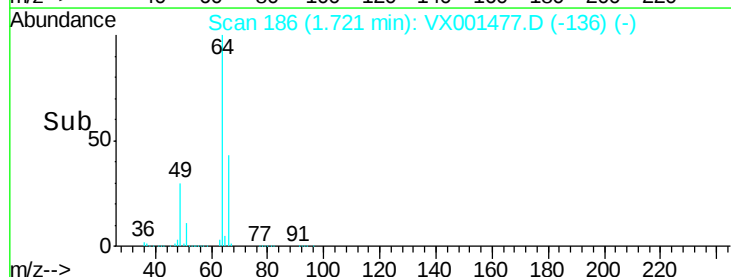
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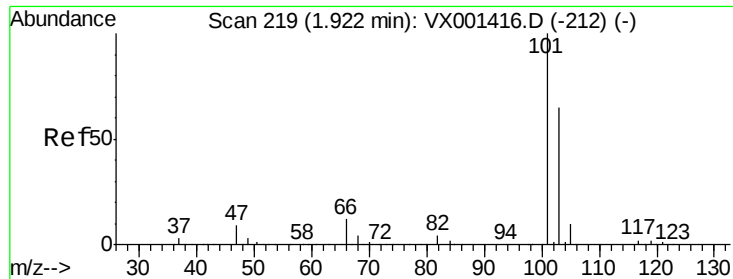
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0

Time-->





#7

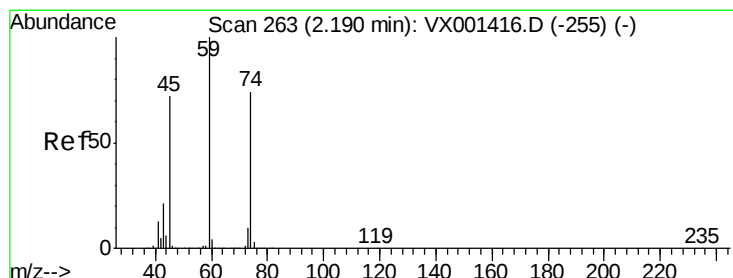
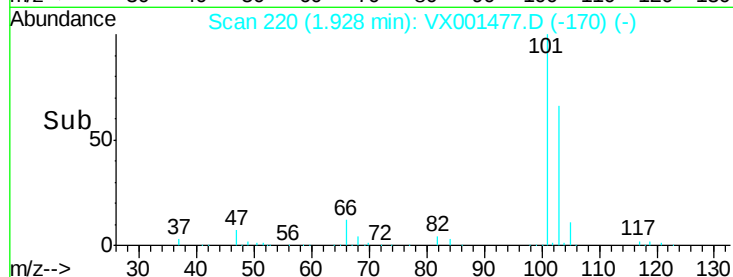
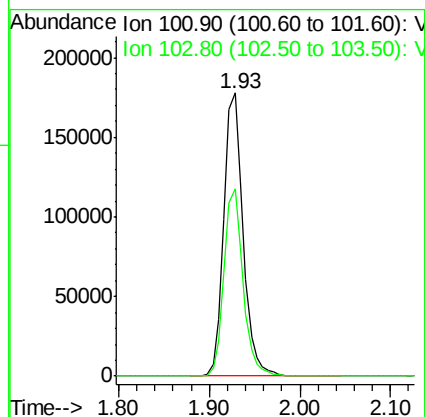
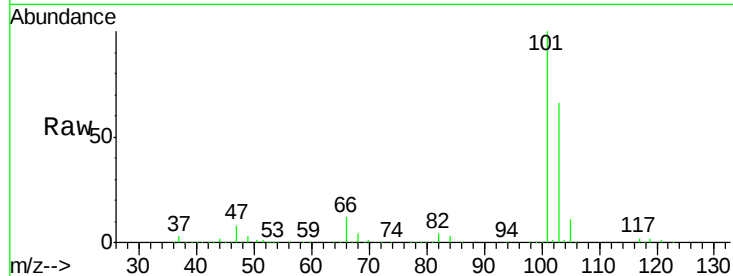
Trichlorofluoromethane
Concen: 53.14 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

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Tot Ion:101 Resp: 264508
Ion Ratio Lower Upper
101 100
103 66.2 52.0 78.0

Manual Integrations
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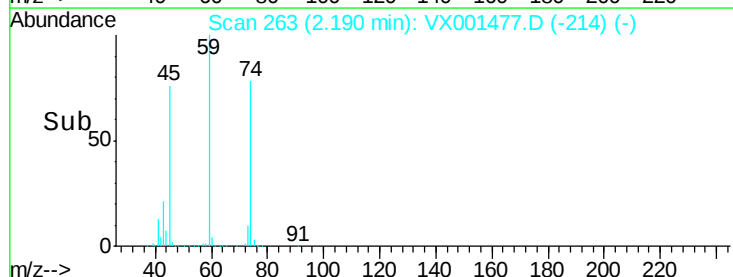
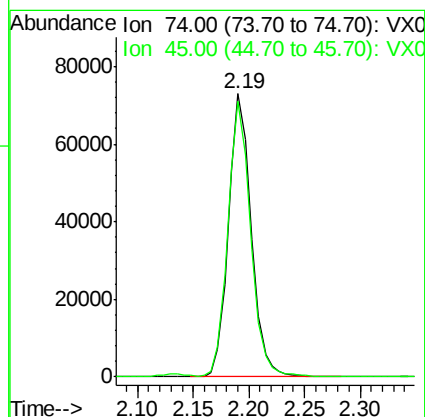
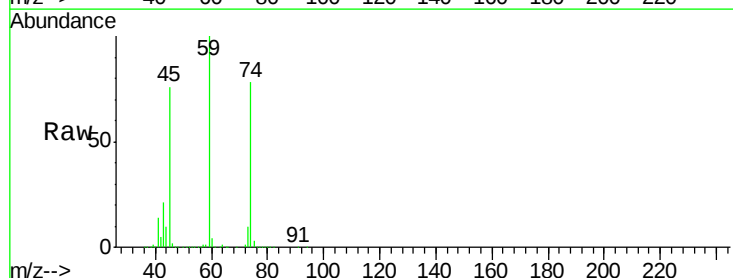
MMDadoda
5/9/2018 5:47:33 PM

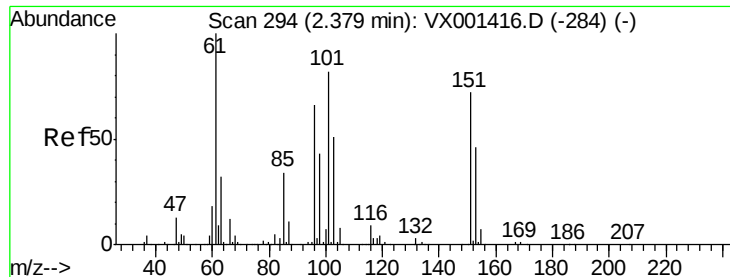


#8

Diethyl Ether
Concen: 53.02 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion: 74 Resp: 103450
Ion Ratio Lower Upper
74 100
45 96.6 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.69 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

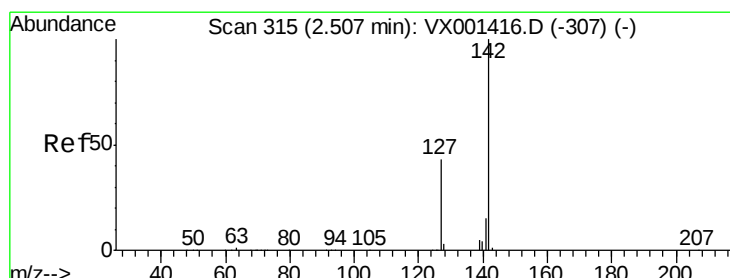
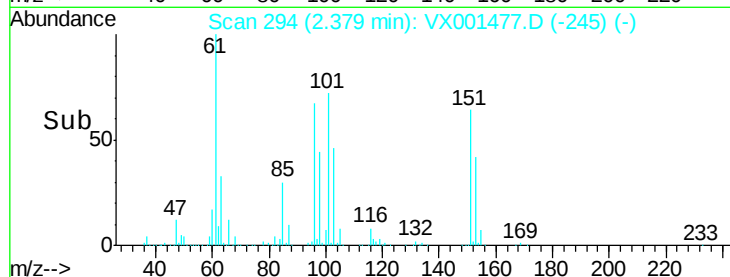
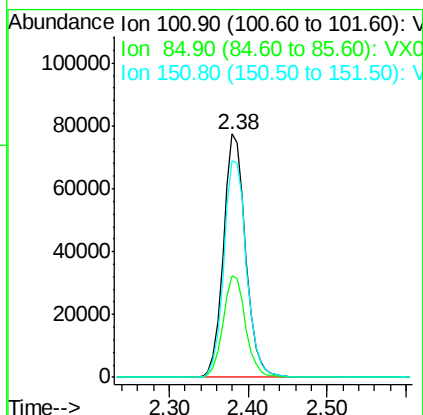
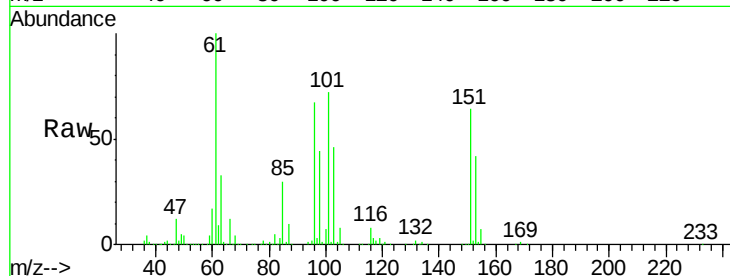
ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion:	101	Resp:	150854
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.7	50.5
151	91.3	72.3	108.5

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#10

Methyl Iodide

Concen: 56.07 ug/l

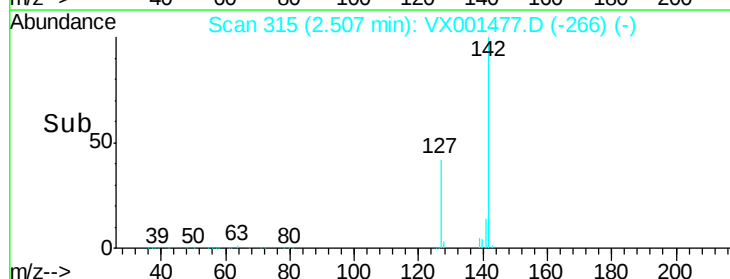
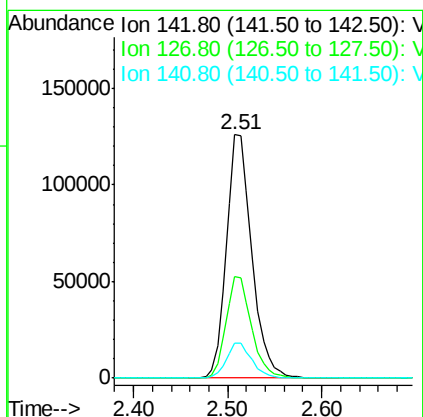
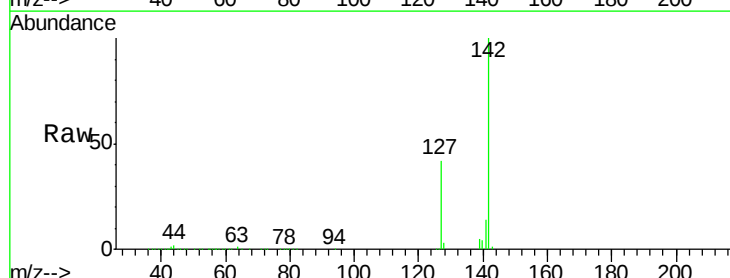
RT: 2.51 min Scan# 315

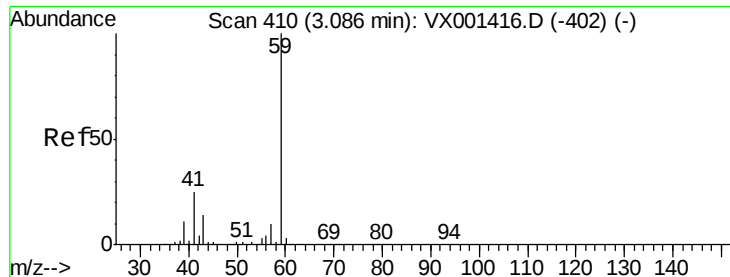
Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Tgt Ion:	142	Resp:	236094
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.6	50.4
141	14.5	11.4	17.2





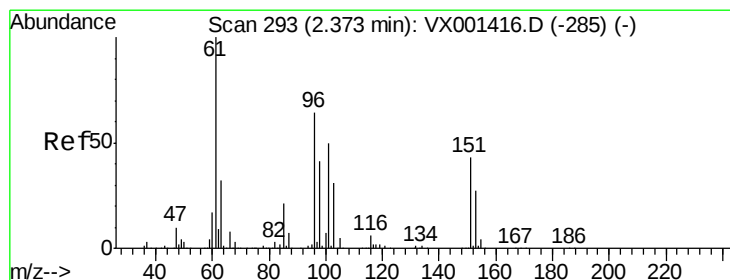
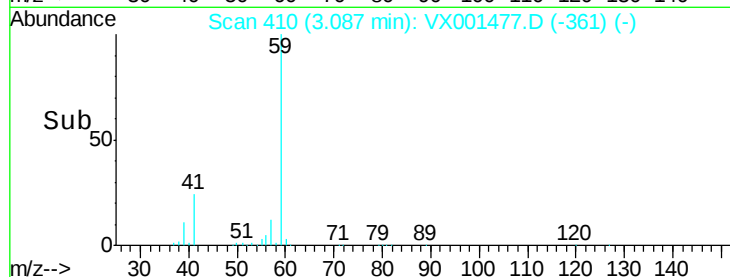
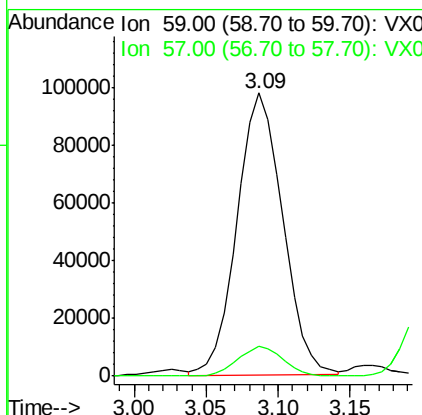
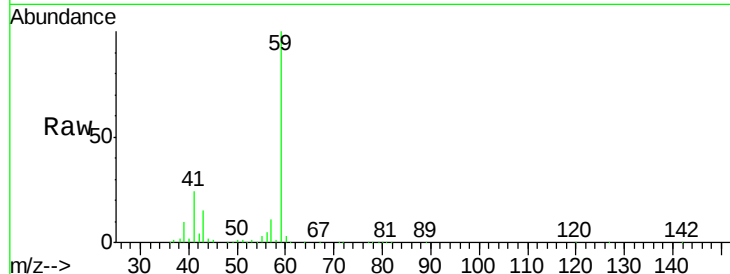
#11
Tert butyl alcohol
Concen: 294.79 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.4

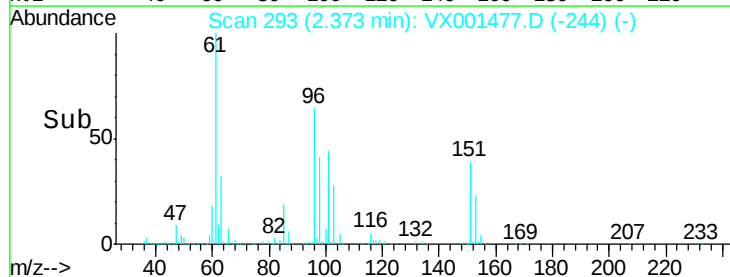
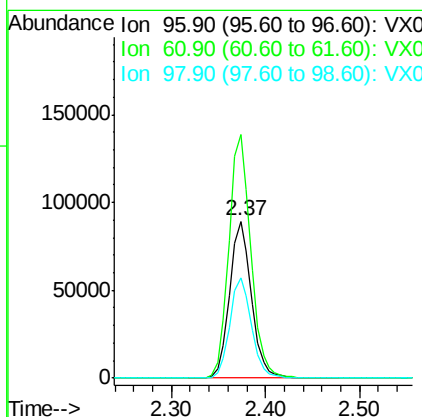
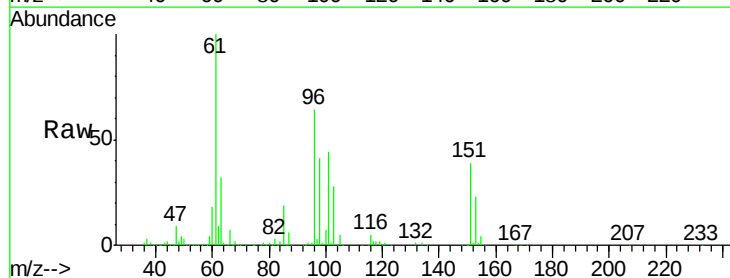
Manual Integrations
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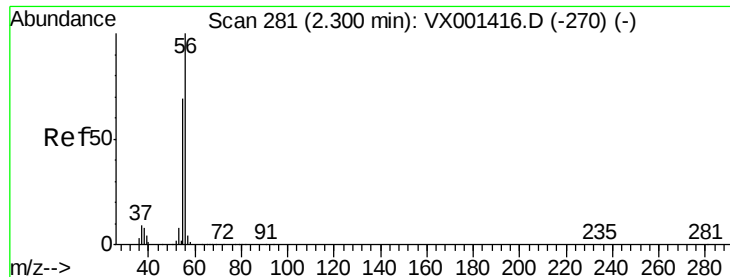
MMDadoda
5/9/2018 5:47:33 PM



#12
1,1-Dichloroethene
Concen: 53.49 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	125.7	188.5
98	63.8	52.0	78.0





#13

Acrolein

Concen: 276.89 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion: 56 Resp: 39803

Ion Ratio Lower Upper

56 100

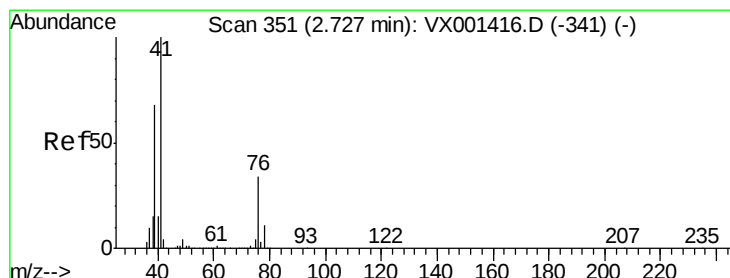
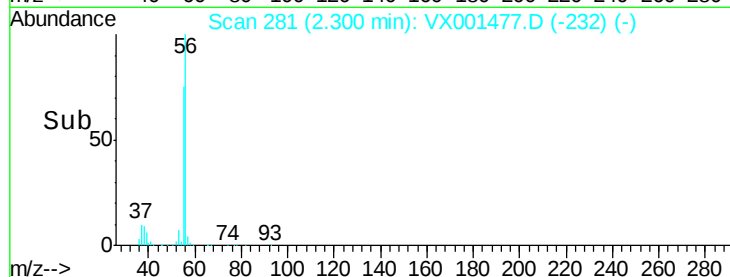
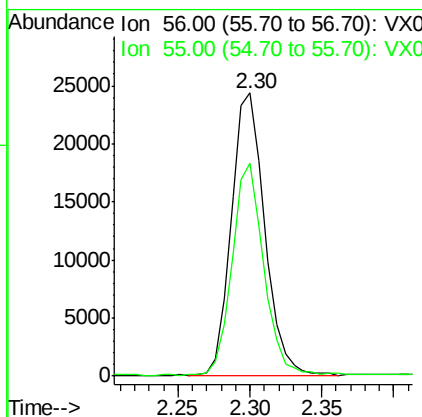
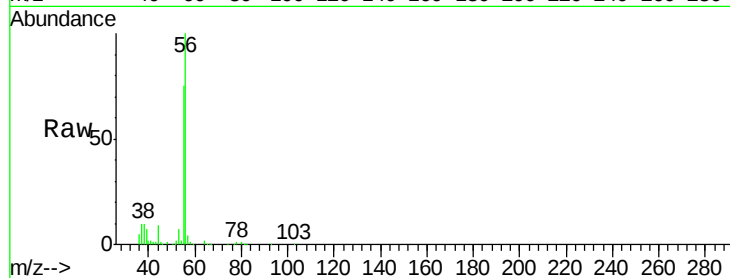
55 70.7 54.5 81.7

Manual Integrations

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#14

Allyl chloride

Concen: 54.15 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

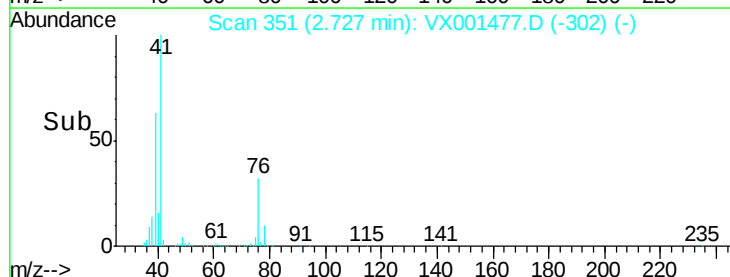
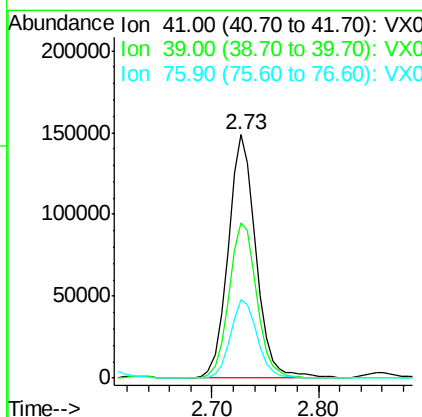
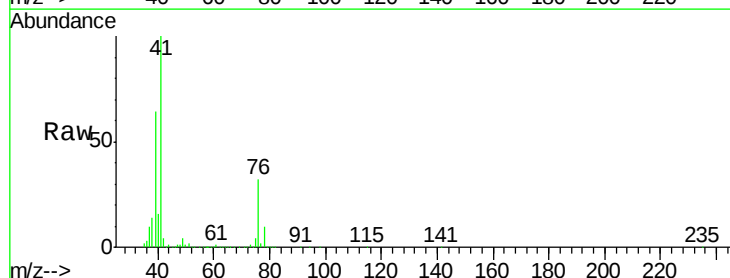
Tgt Ion: 41 Resp: 270070

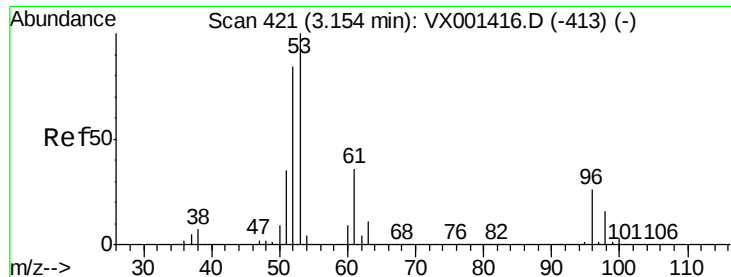
Ion Ratio Lower Upper

41 100

39 63.9 52.4 78.6

76 31.3 25.8 38.6





#15

Acrylonitrile

Concen: 276.96 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

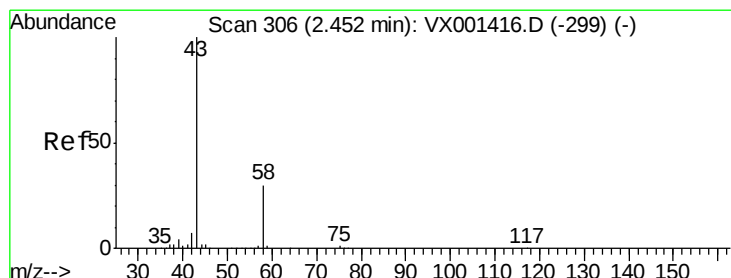
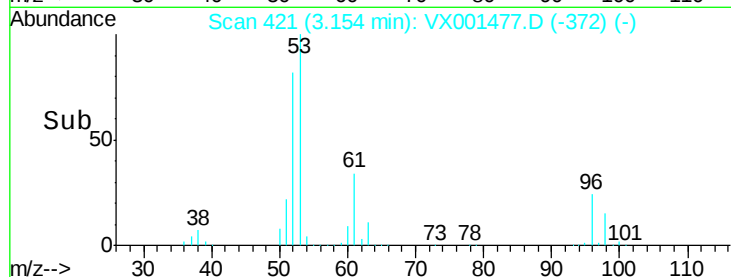
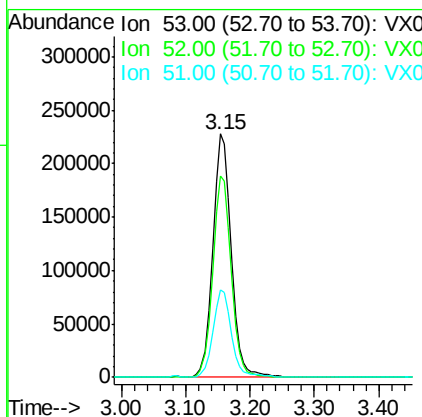
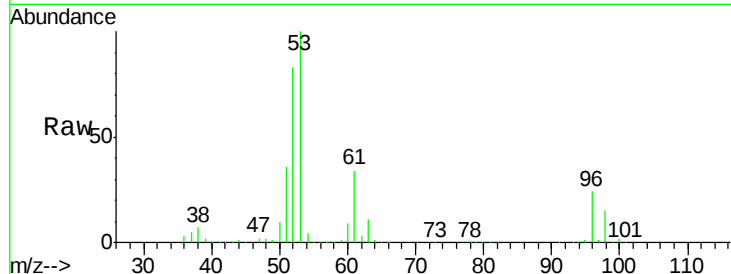
ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion:	53	Resp:	458456
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.2	99.2
51	35.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 263.77 ug/l

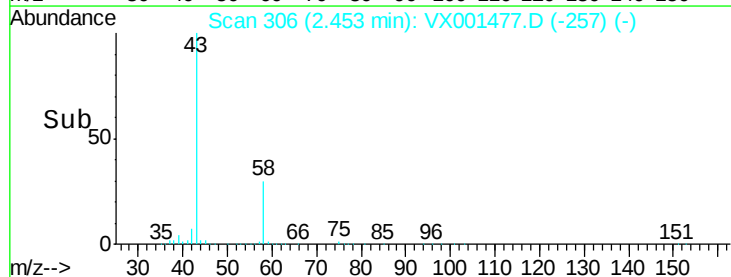
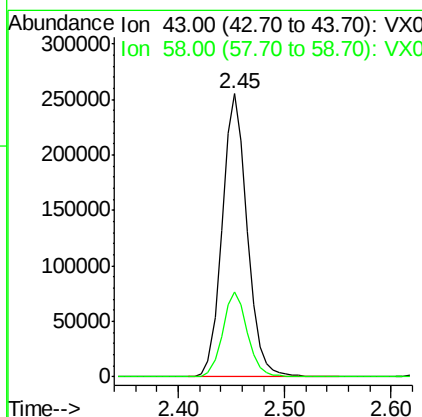
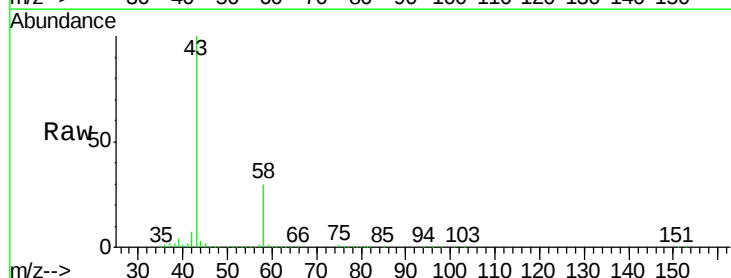
RT: 2.45 min Scan# 306

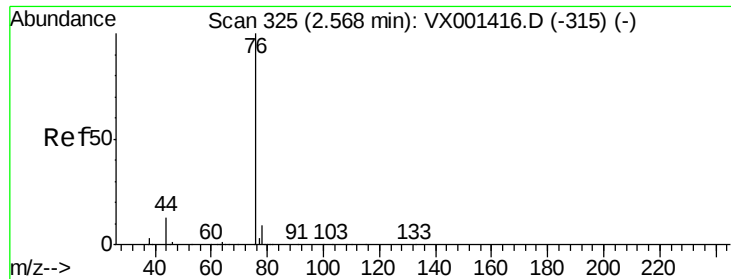
Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Tgt Ion:	43	Resp:	416137
Ion Ratio	Lower	Upper	
43	100		
58	30.1	23.8	35.8





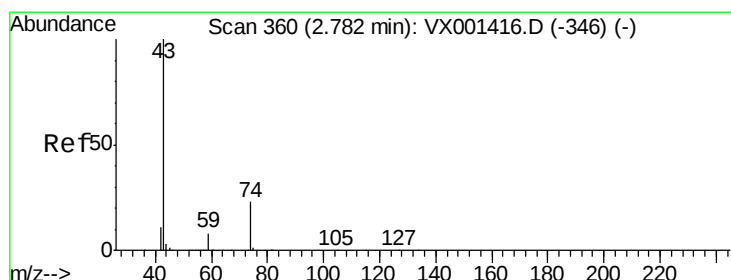
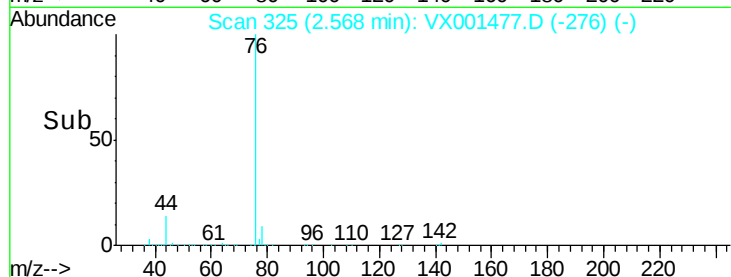
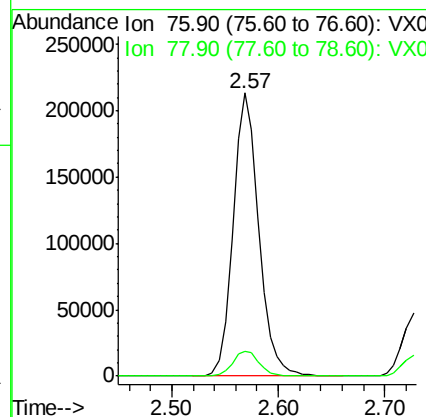
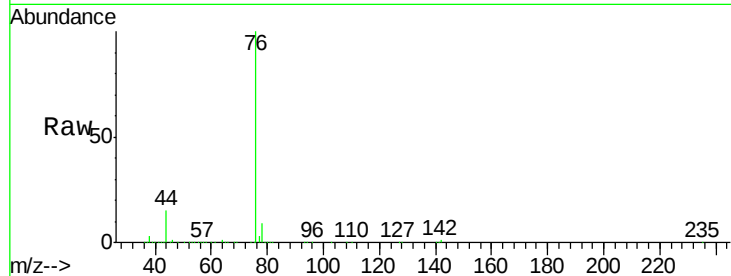
#17
Carbon Disulfide
Concen: 52.86 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

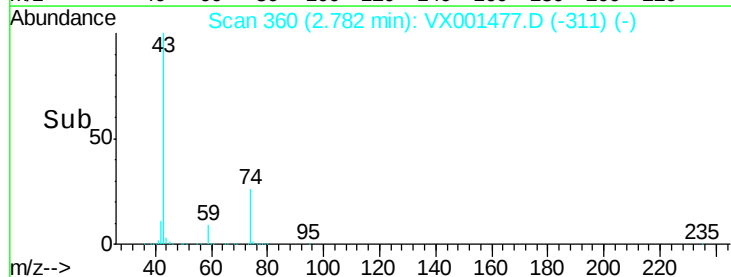
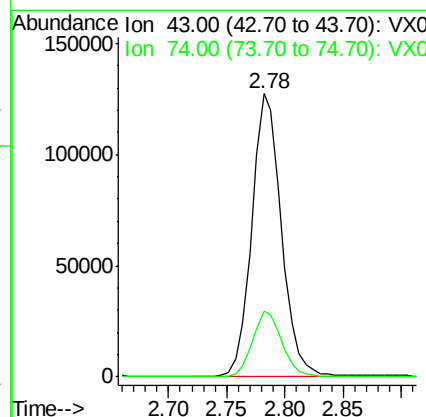
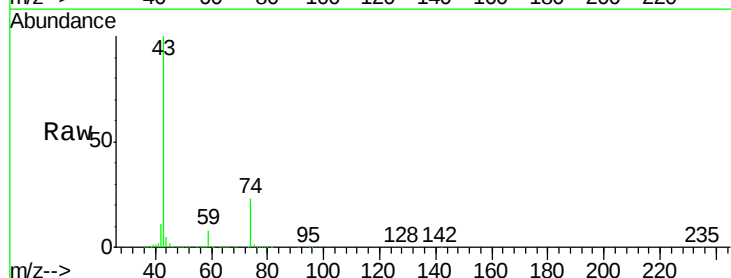
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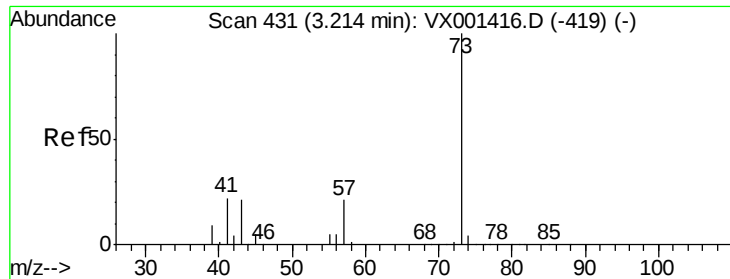
MMDadoda
5/9/2018 5:47:33 PM



#18
Methyl Acetate
Concen: 54.24 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.6	27.8





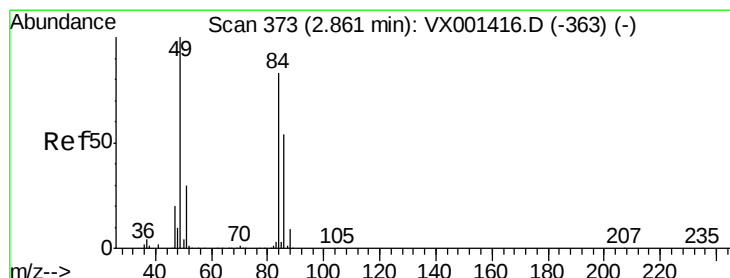
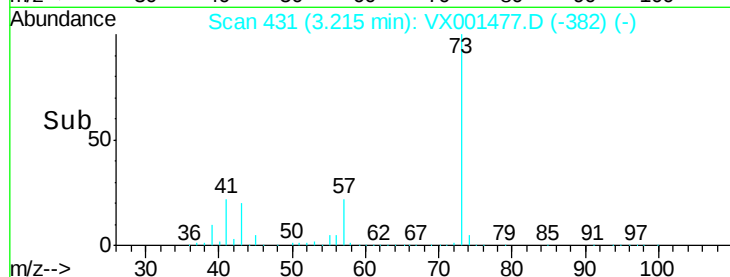
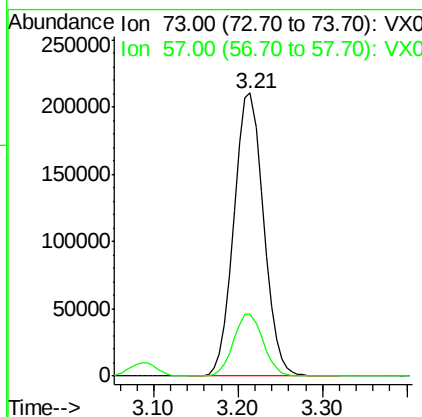
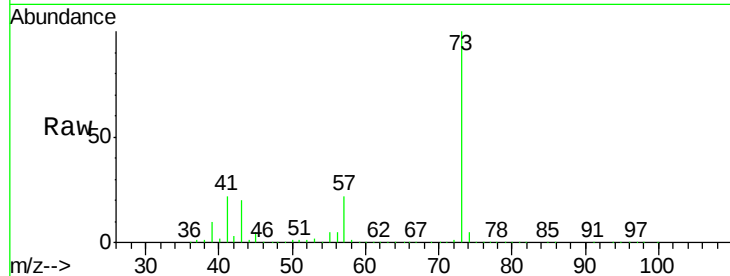
#19
Methvl tert-butvl Ether
Concen: 53.70 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion: 73 Resp: 500064
Ion Ratio Lower Upper
73 100
57 21.7 17.0 25.6

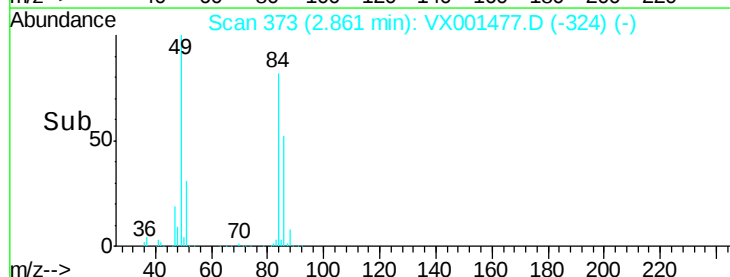
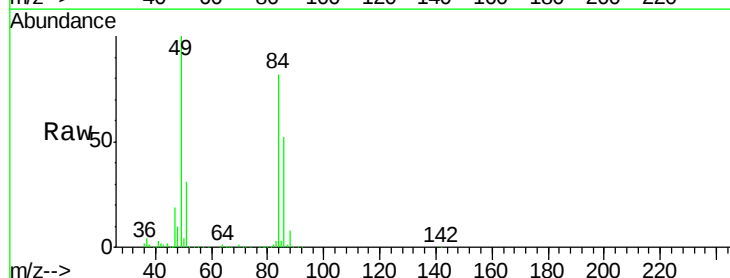
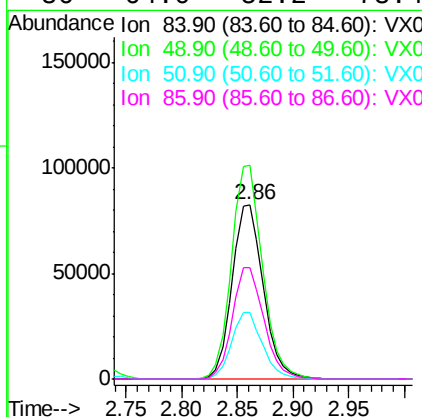
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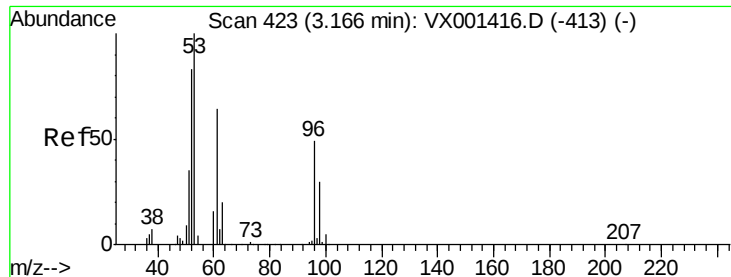
MMDadoda
5/9/2018 5:47:33 PM



#20
Methylene Chloride
Concen: 51.32 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion: 84 Resp: 160295
Ion Ratio Lower Upper
84 100
49 122.5 96.6 144.8
51 38.0 29.0 43.4
86 64.0 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 51.30 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

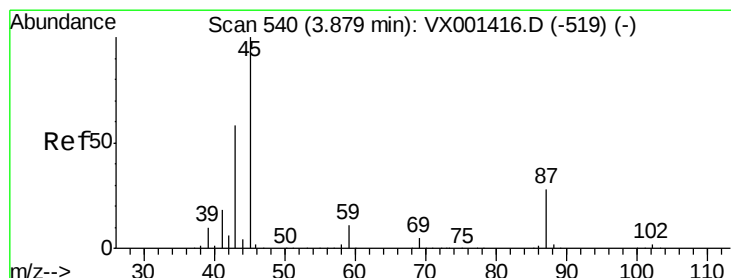
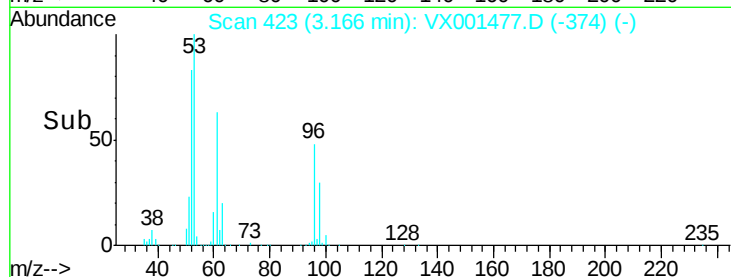
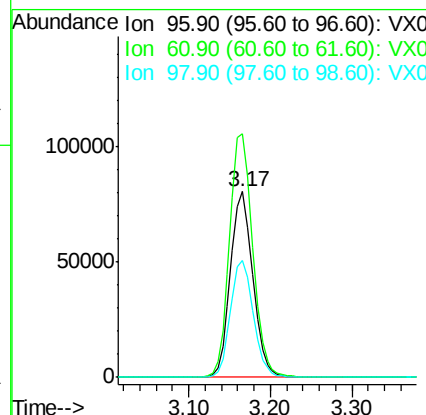
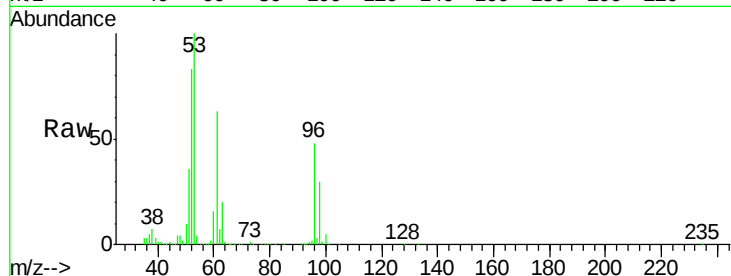
ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion:	96	Resp:	153135
Ion	Ratio	Lower	Upper
96	100		
61	131.0	105.0	157.4
98	62.8	49.9	74.9

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#22

Diisopropyl ether

Concen: 53.24 ug/l

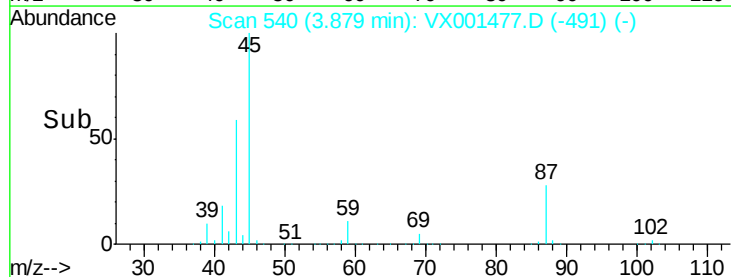
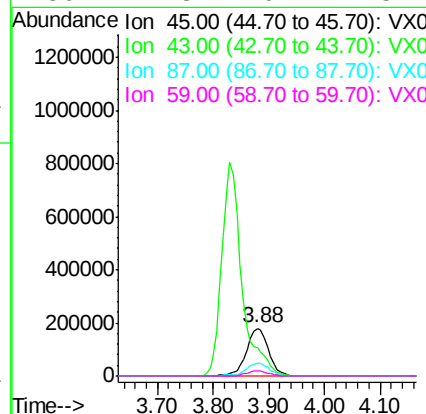
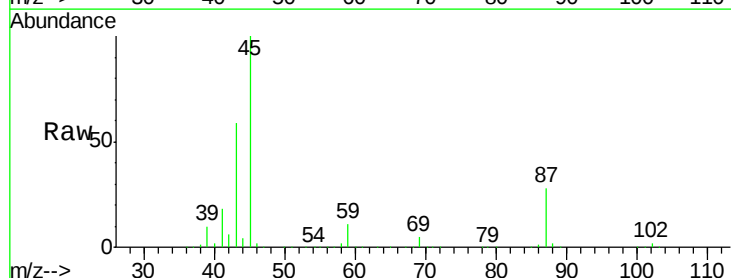
RT: 3.88 min Scan# 540

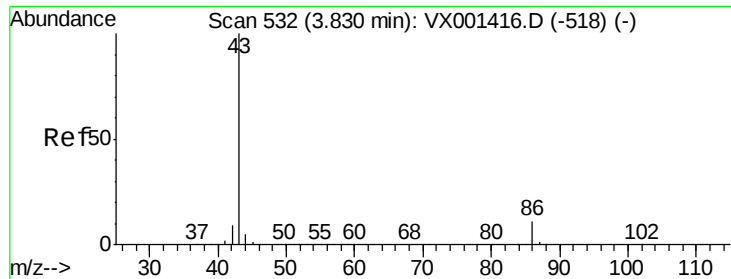
Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Tgt Ion:	45	Resp:	496102
Ion	Ratio	Lower	Upper
45	100		
43	59.2	46.5	69.7
87	28.0	22.6	34.0
59	11.3	9.1	13.7





#23

Vinyl Acetate

Concen: 261.68 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30312-20180428MSD

Tot Ion: 43 Resp: 2032138

Ion Ratio Lower Upper

43 100

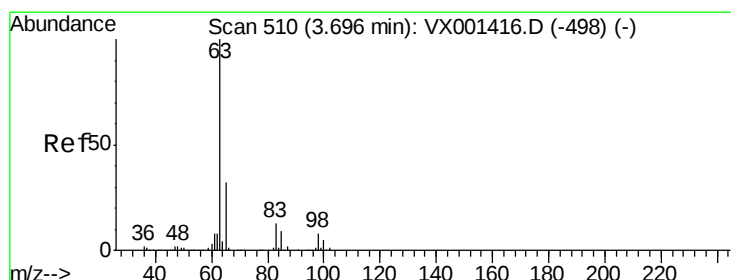
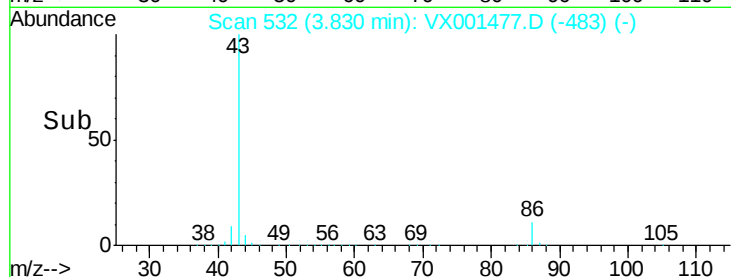
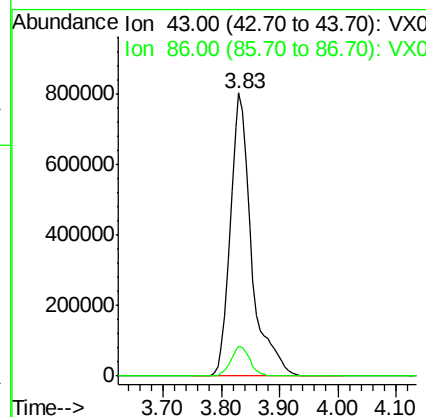
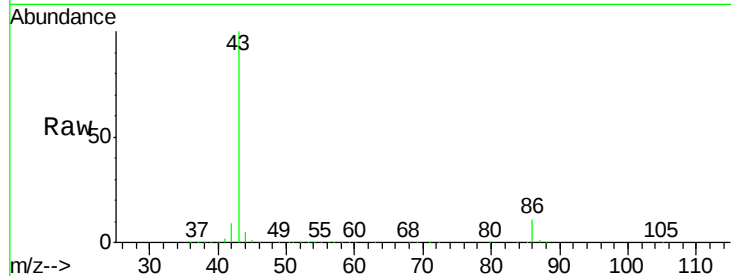
86 10.7 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.40 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

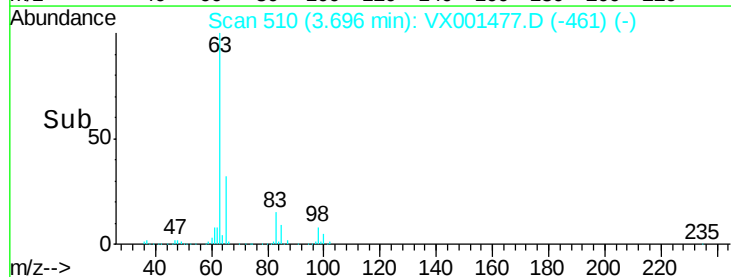
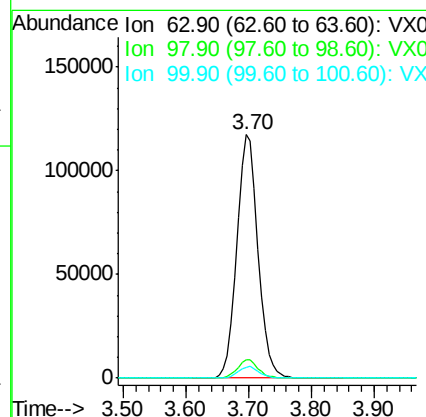
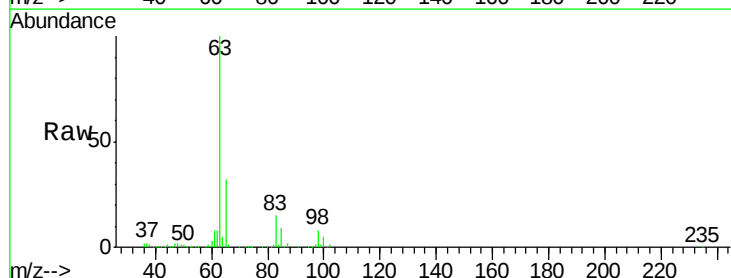
Tgt Ion: 63 Resp: 272772

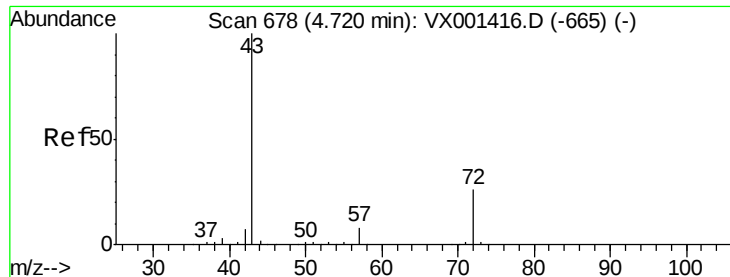
Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.4

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 274.28 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion: 43 Resp: 625494

Ion Ratio Lower Upper

43 100

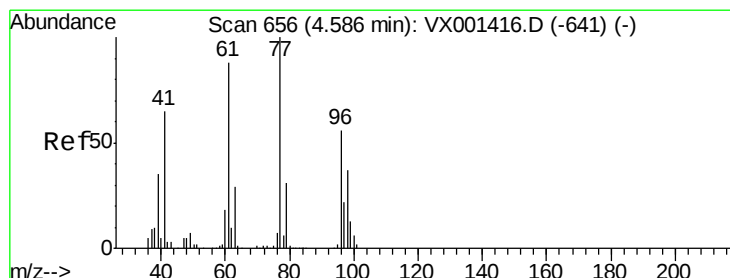
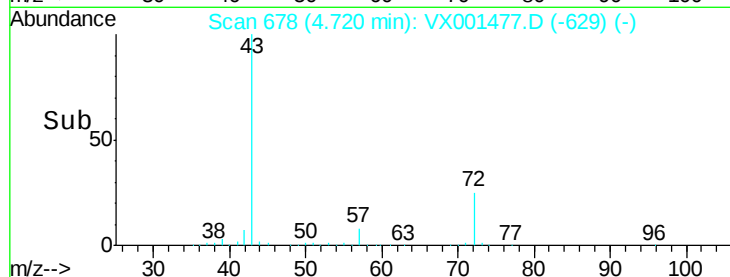
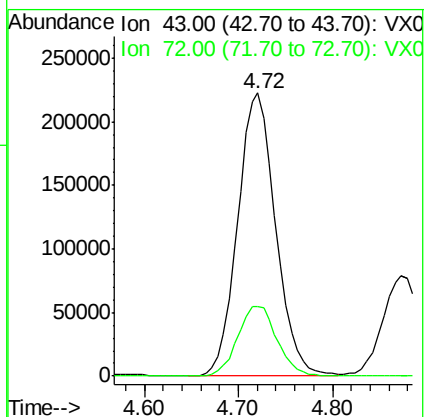
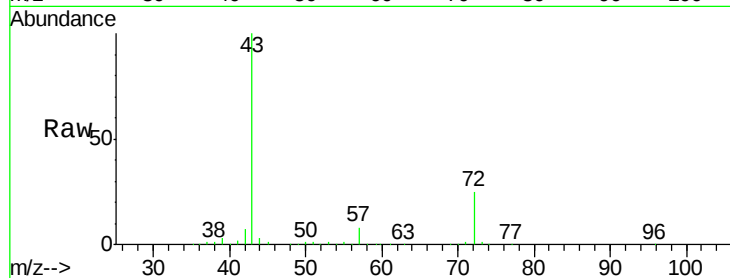
72 24.7 20.7 31.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.76 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001477.D

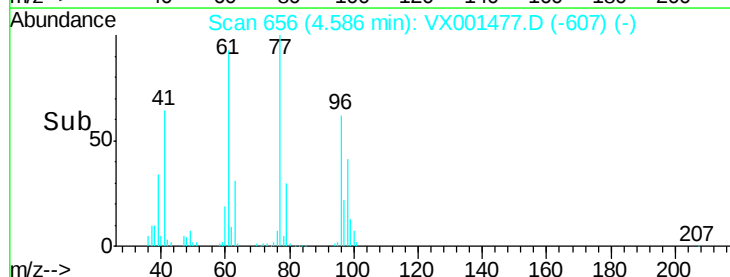
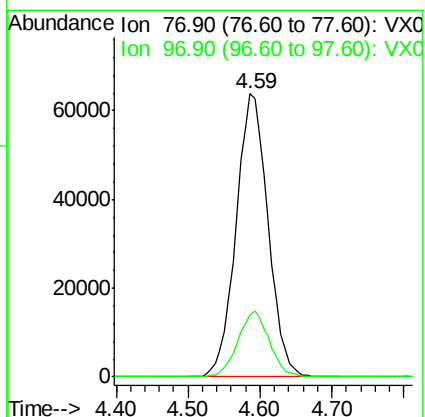
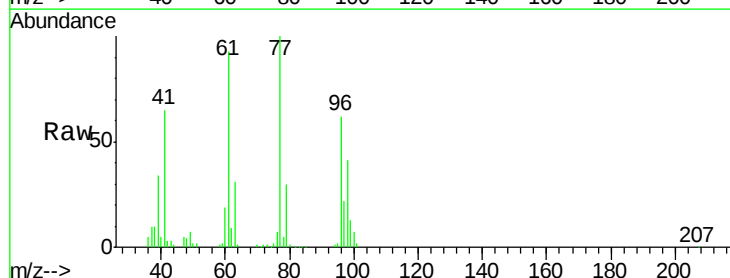
Acq: 07 May 2018 20:14

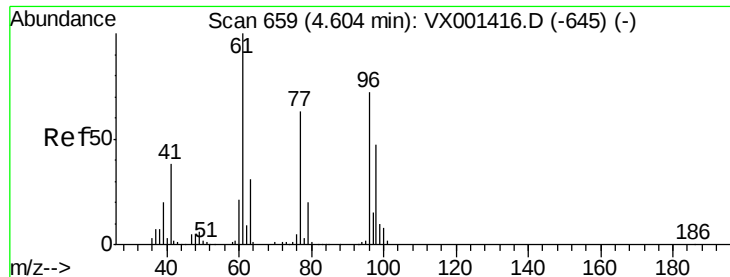
Tgt Ion: 77 Resp: 195998

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6





#27

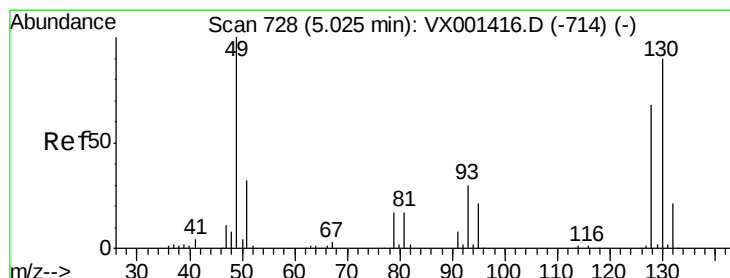
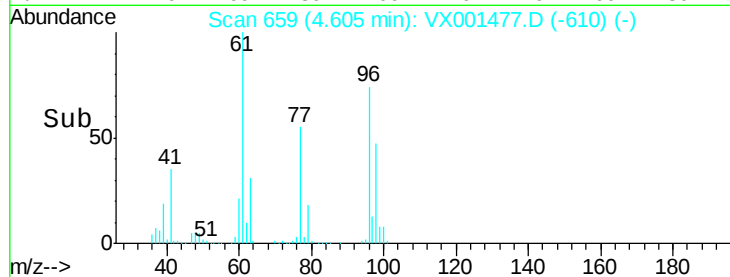
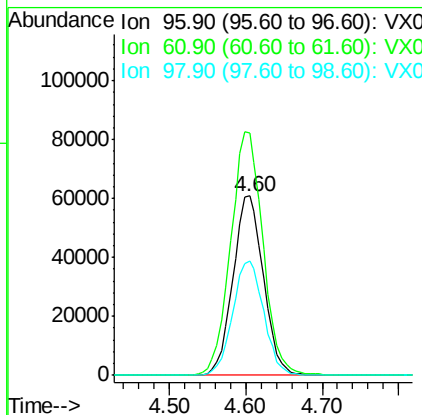
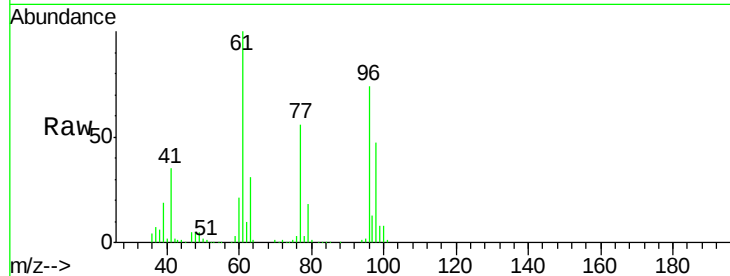
cis-1,2-Dichloroethene
Concen: 52.81 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	167883		
61	144.0	0.0	301.6	
98	64.8	0.0	131.6	

Manual Integrations
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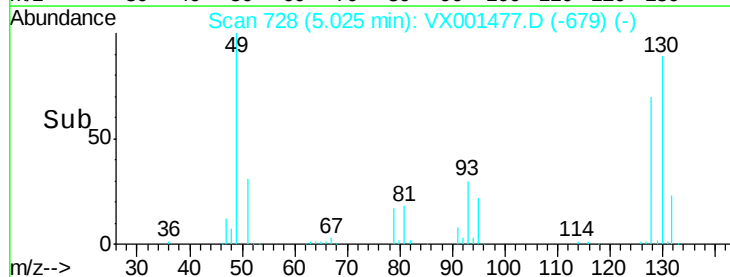
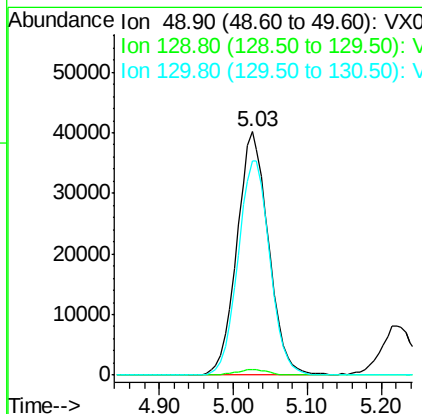
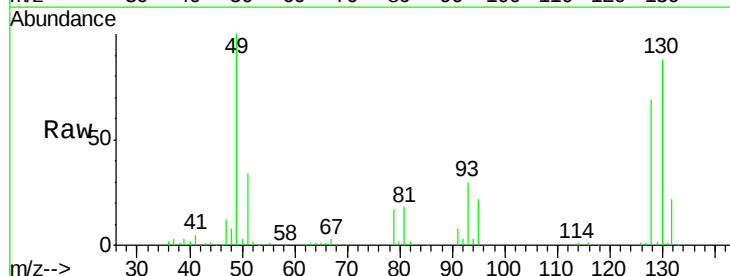
MMDadoda
5/9/2018 5:47:33 PM

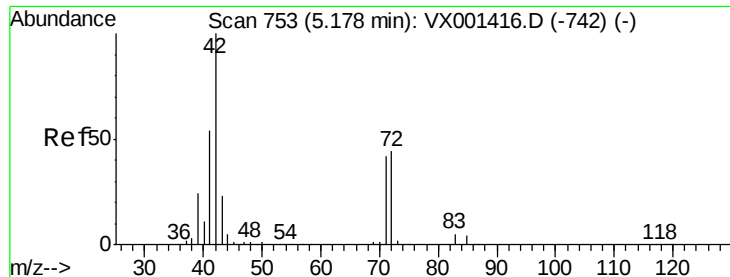


#28

Bromochloromethane
Concen: 52.92 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	119441		
129	2.3	0.0	4.8	
130	88.7	71.9	107.9	





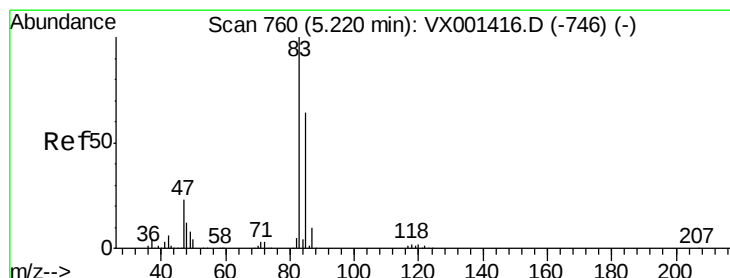
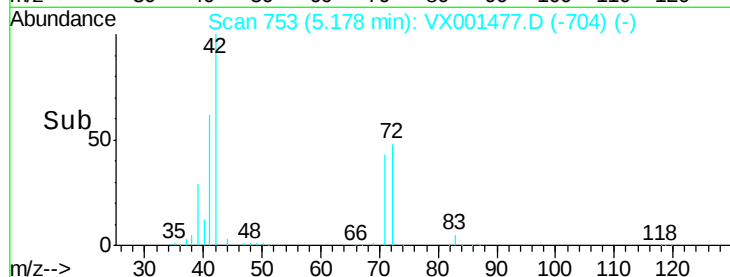
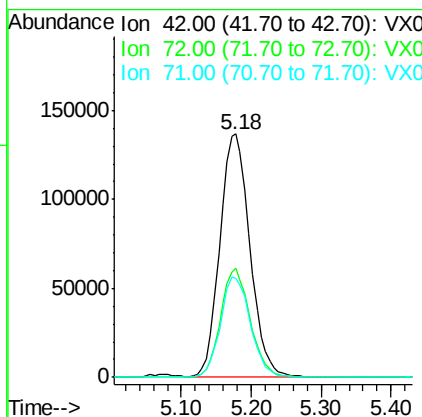
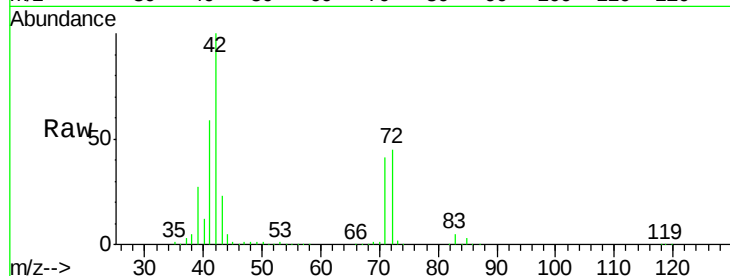
#29
Tetrahydrofuran
Concen: 278.54 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.4	53.2
71	41.2	33.0	49.4

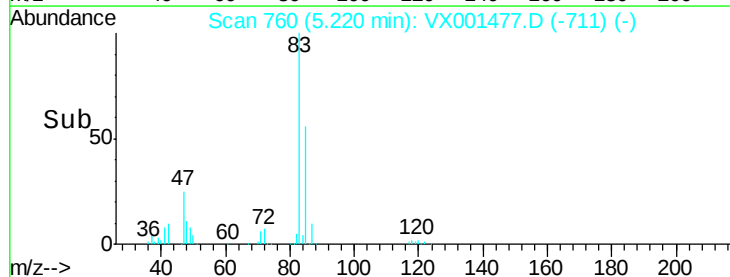
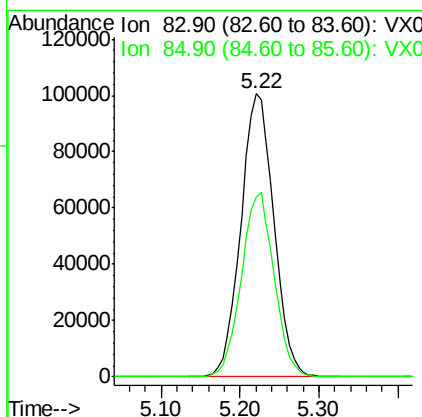
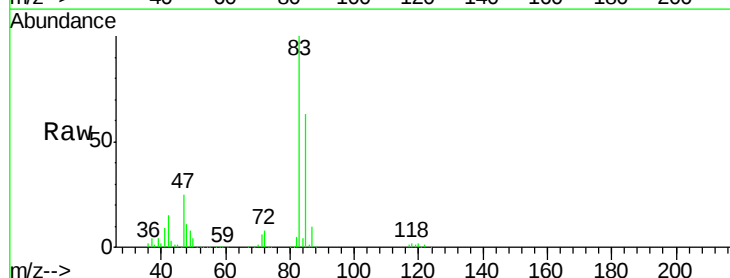
Manual Integrations
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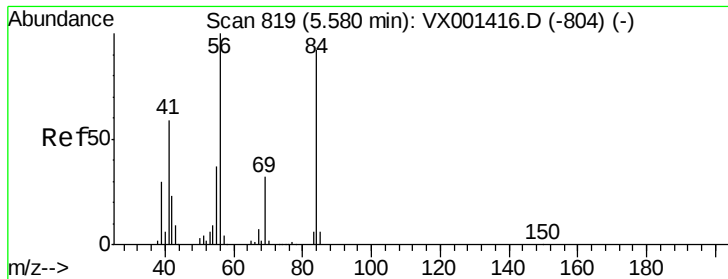
MMDadoda
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#30
Chloroform
Concen: 54.65 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.4





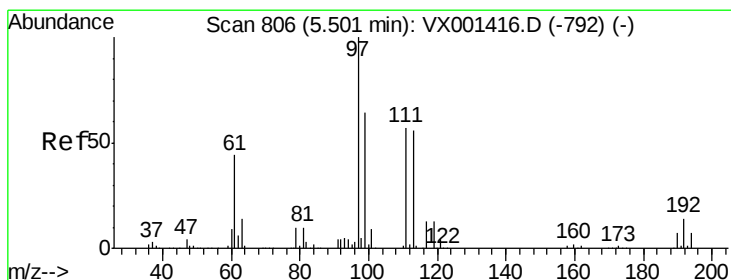
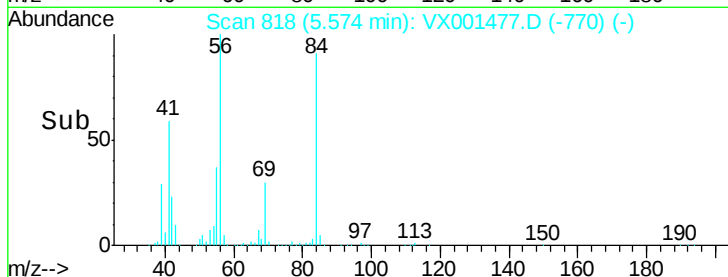
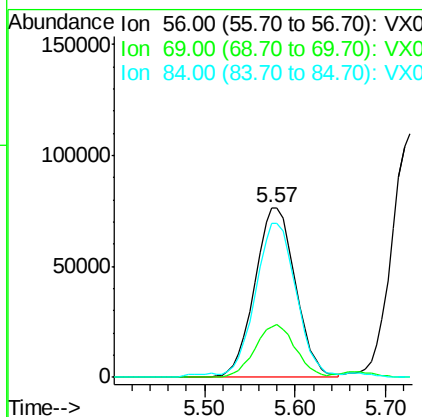
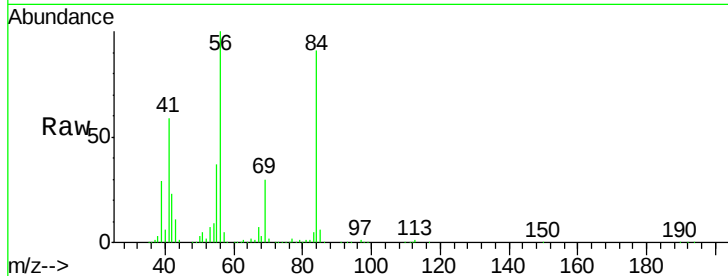
#31
Cyclohexane
Concen: 53.25 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30312-20180428MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.4	38.0
84	89.1	73.8	110.8

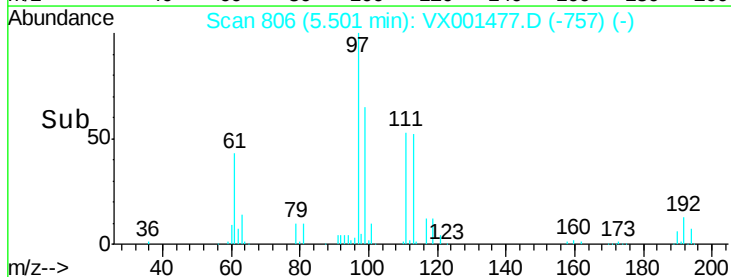
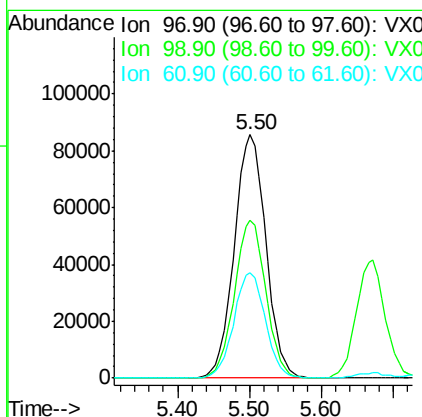
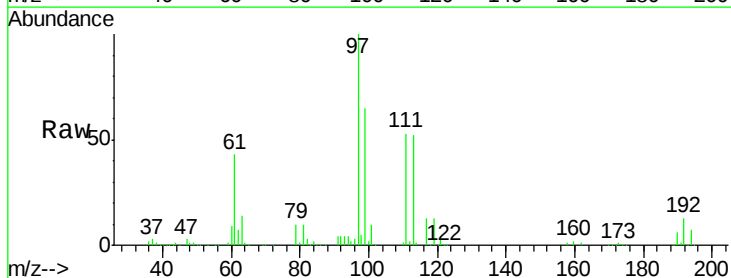
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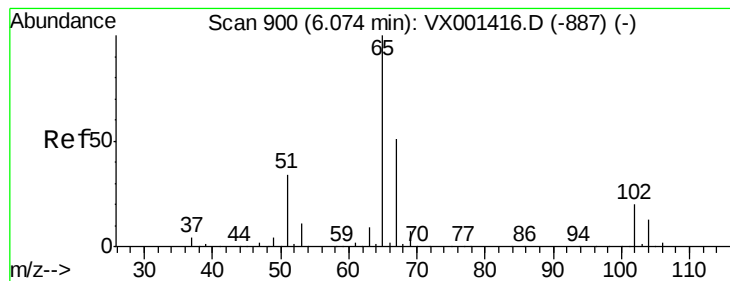
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#32
1,1,1-Trichloroethane
Concen: 55.73 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	43.2	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 49.37 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion: 65 Resp: 171520

Ion Ratio Lower Upper

65 100

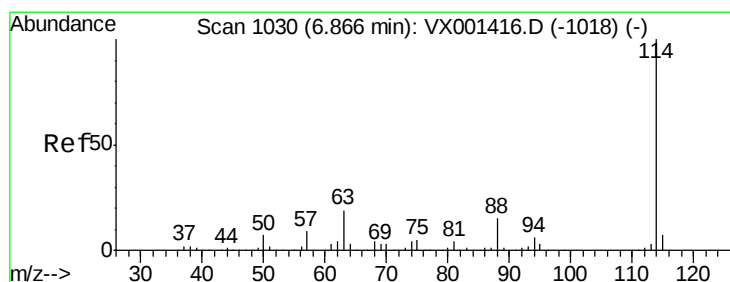
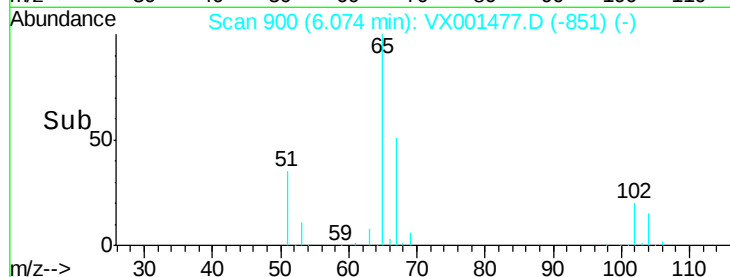
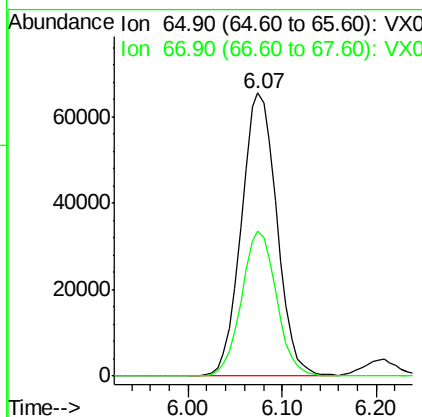
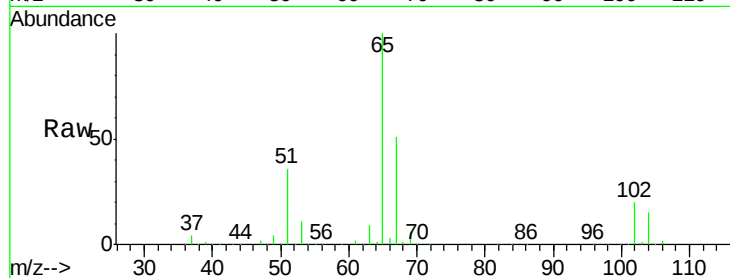
67 50.5 0.0 101.8

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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: VX001477.D

Acq: 07 May 2018 20:14

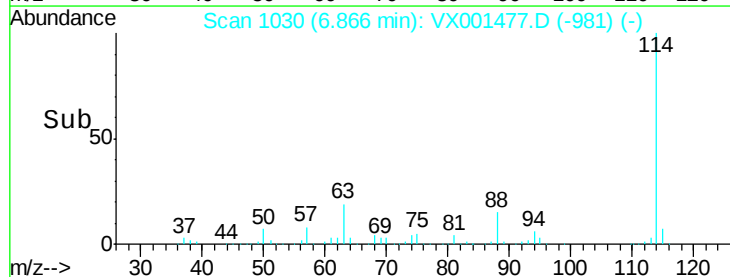
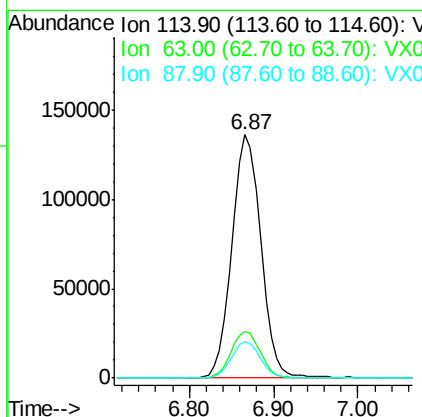
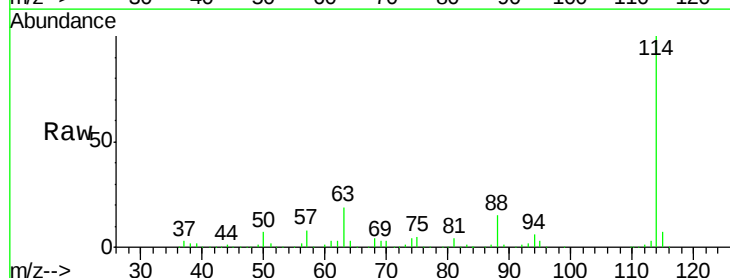
Tgt Ion: 114 Resp: 317545

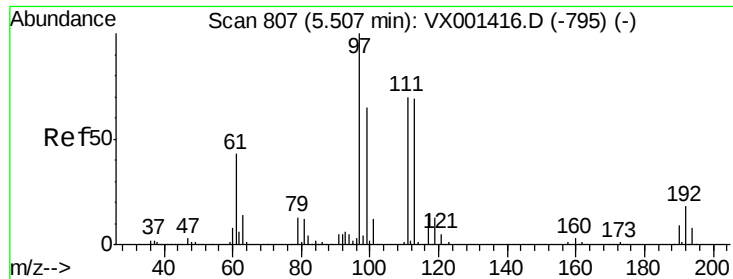
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

88 14.7 0.0 30.8





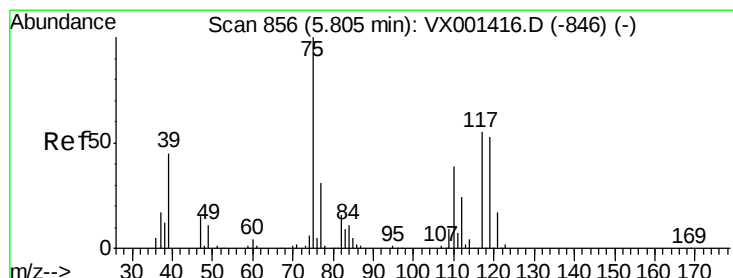
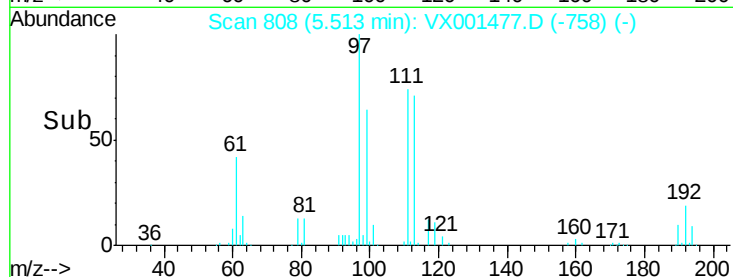
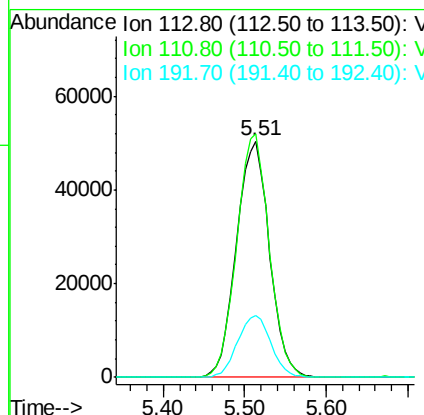
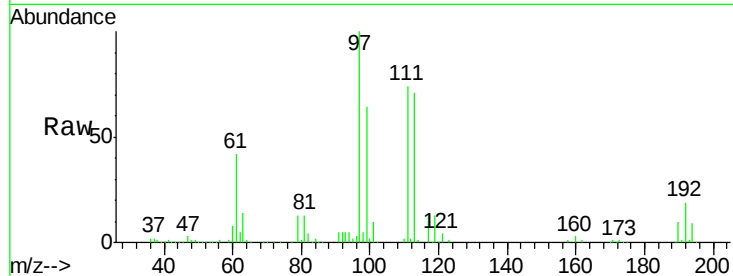
#35
 Dibromofluoromethane
 Concen: 50.09 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141492		
111	101.3	82.2	123.2	
192	26.4	21.4	32.0	

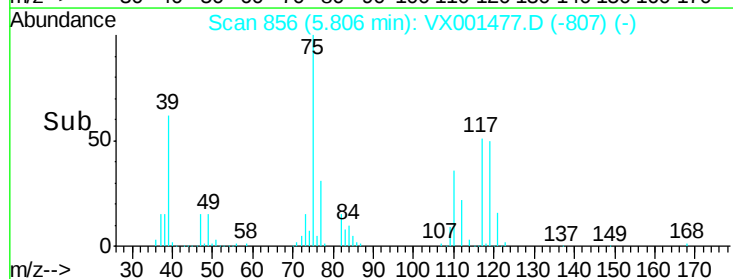
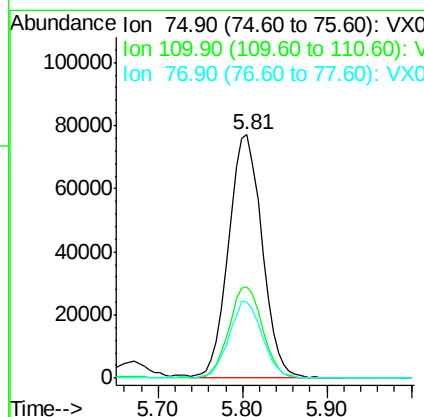
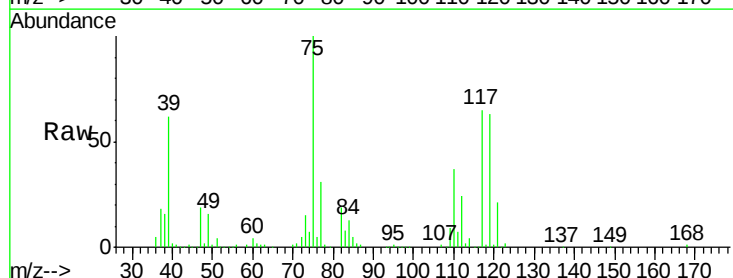
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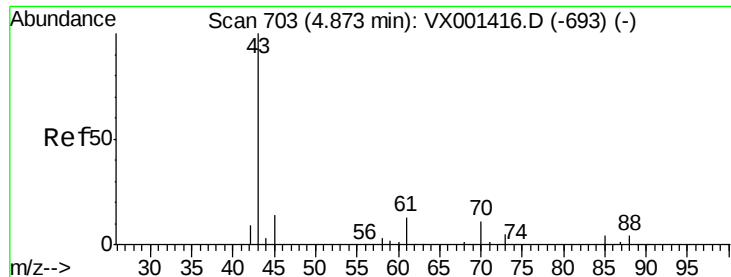
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 51.47 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	207917		
110	37.7	18.9	56.7	
77	31.5	24.9	37.3	





#37

Ethyl Acetate

Concen: 51.93 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

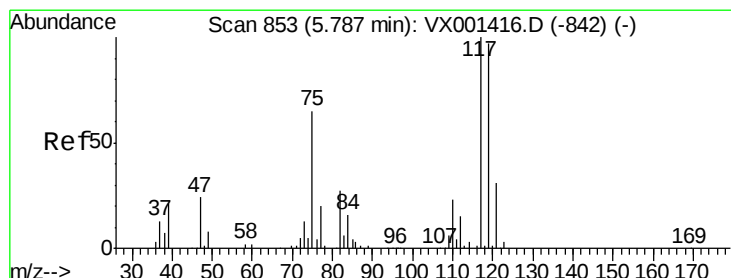
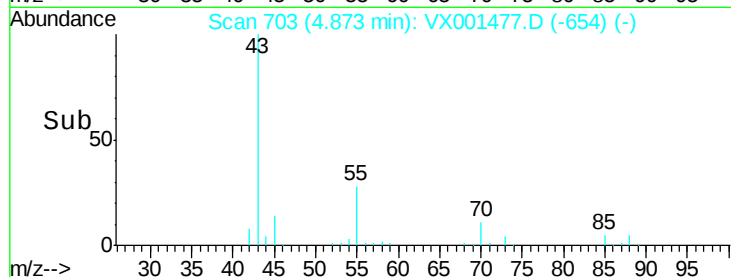
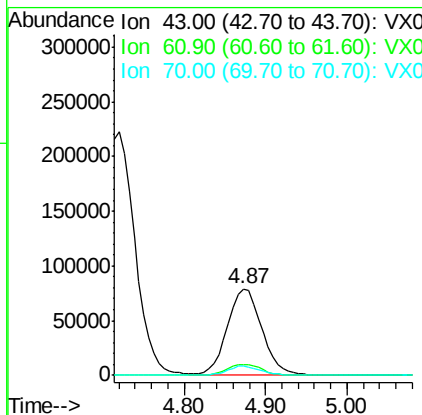
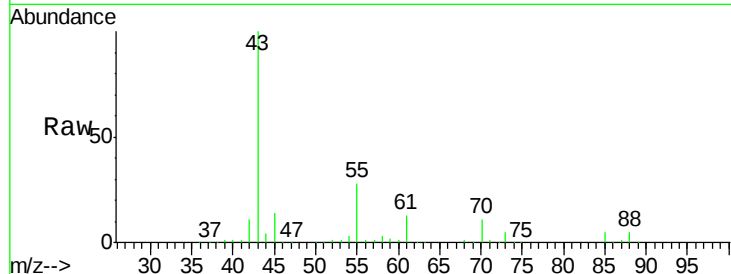
ClientSampleId :

BPS1-TT-MW30312-20180428MSD

Tot Ion:	43	Resp:	229934
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.7	16.1
70	10.6	8.4	12.6

Manual Integrations
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5/9/2018 5:47:33 PM



#38

Carbon Tetrachloride

Concen: 54.96 ug/l

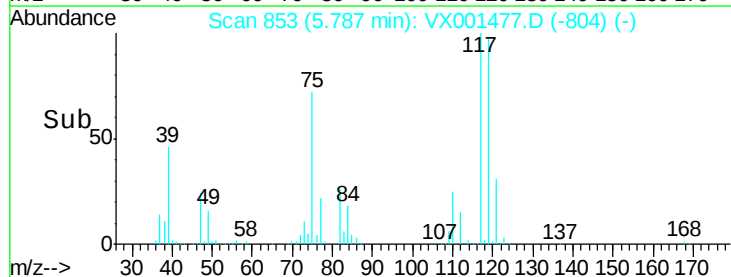
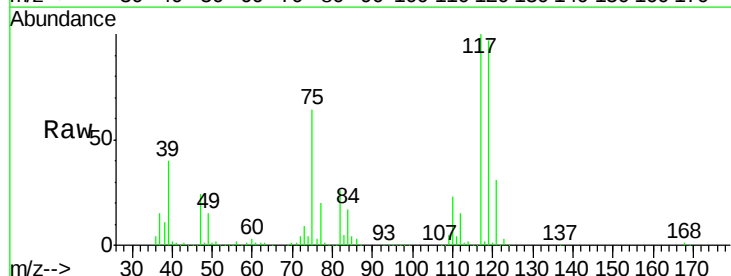
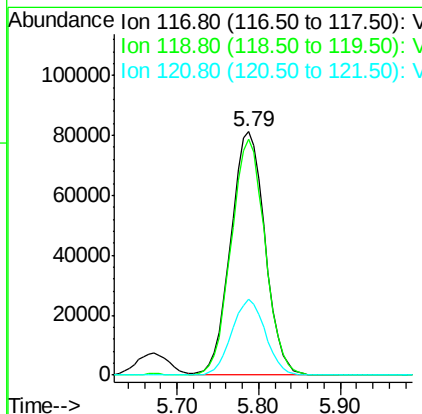
RT: 5.79 min Scan# 853

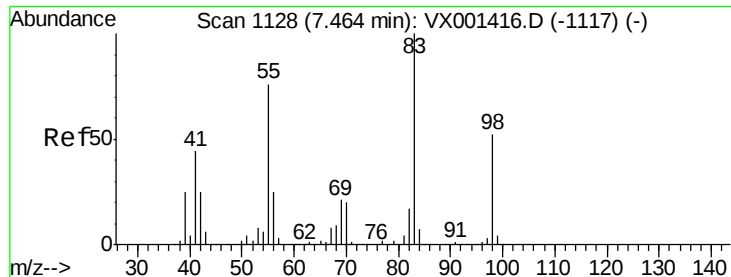
Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Tgt Ion:	117	Resp:	236769
Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.6
121	31.4	25.1	37.7





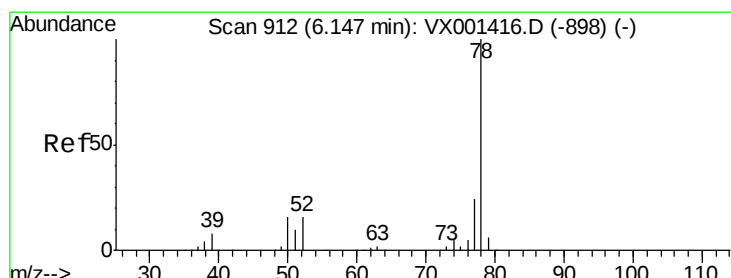
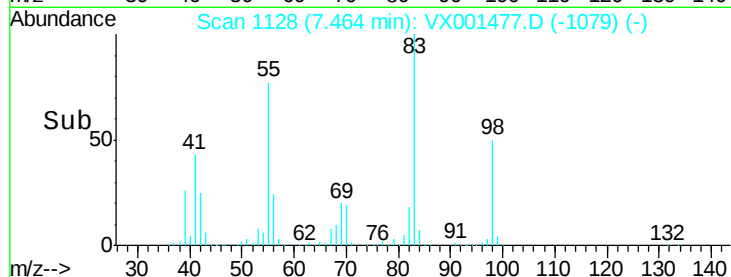
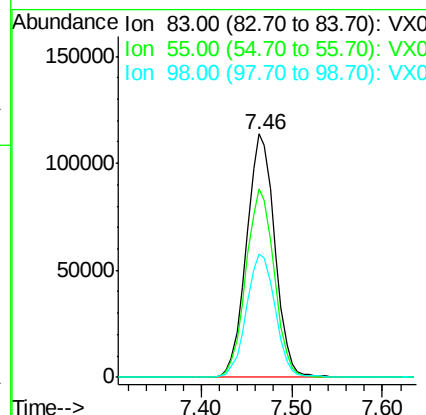
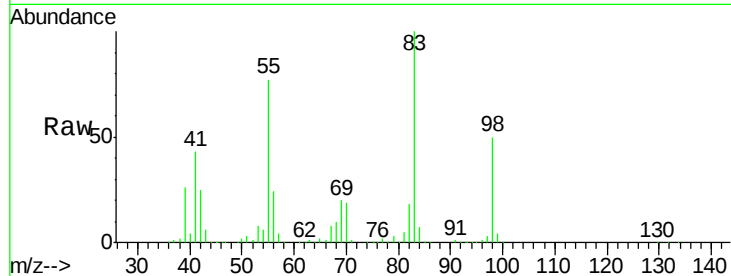
#39
Methvlcvclohexane
Concen: 51.46 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	245749		
55	77.3	60.9	91.3	
98	50.4	41.9	62.9	

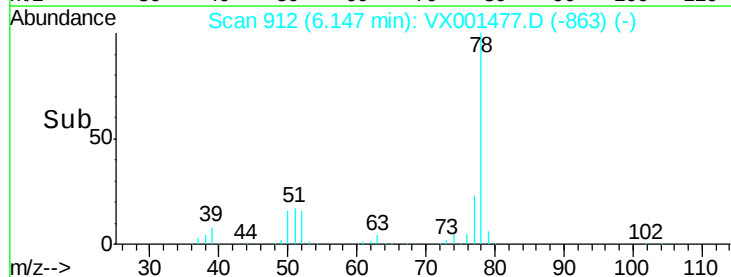
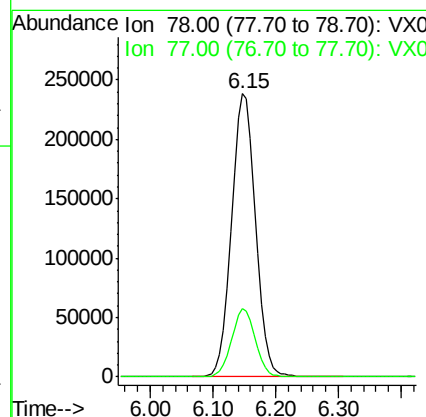
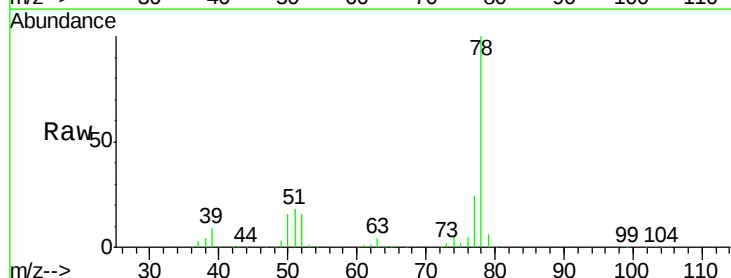
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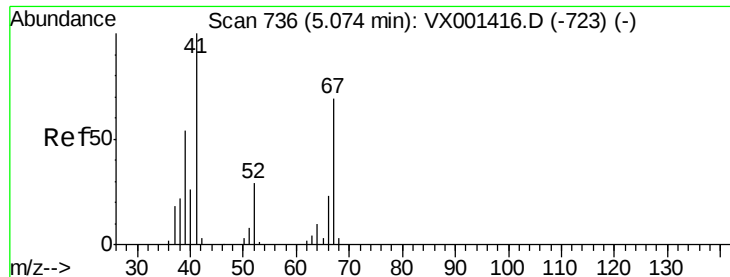
MMDadoda
5/9/2018 5:47:33 PM



#40
Benzene
Concen: 53.56 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	631854		
77	24.1	19.4	29.2	





#41

Methacrylonitrile

Concen: 53.70 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

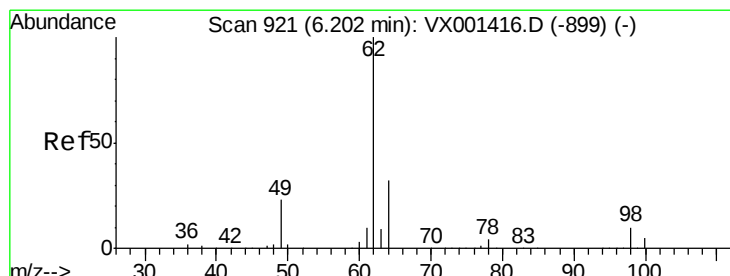
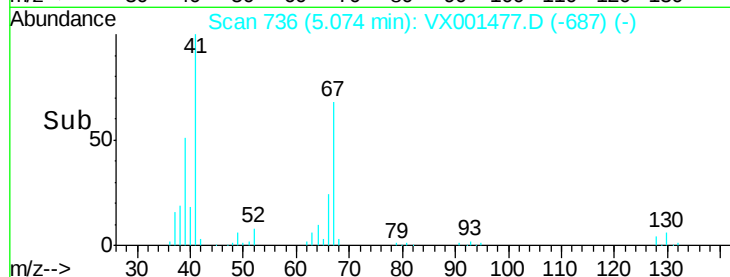
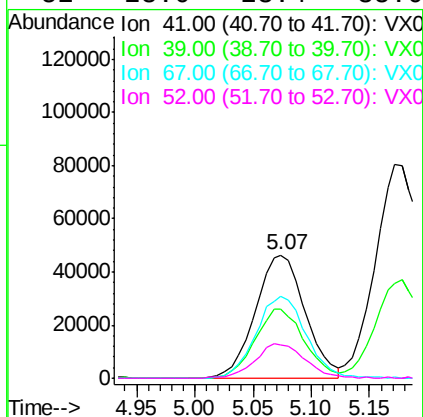
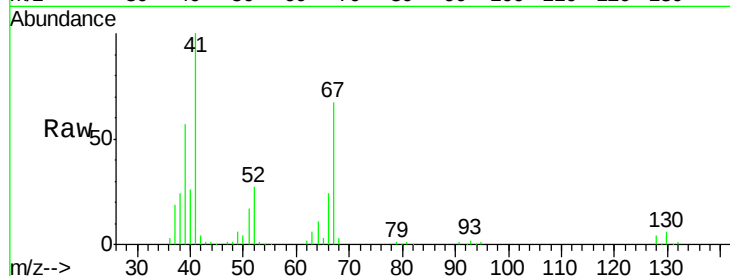
ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	45.0	67.6	
67	68.0	55.0	82.6	
52	28.0	23.4	35.0	

Manual Integrations
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5/9/2018 5:47:33 PM



#42

1,2-Dichloroethane

Concen: 53.81 ug/l

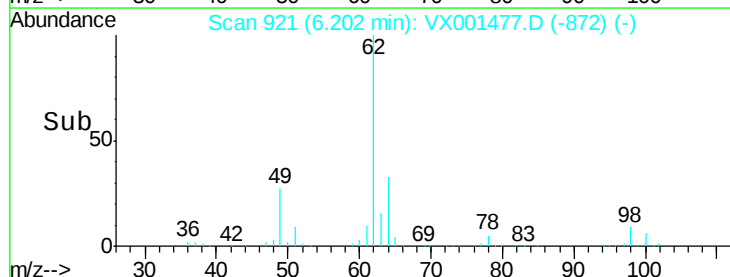
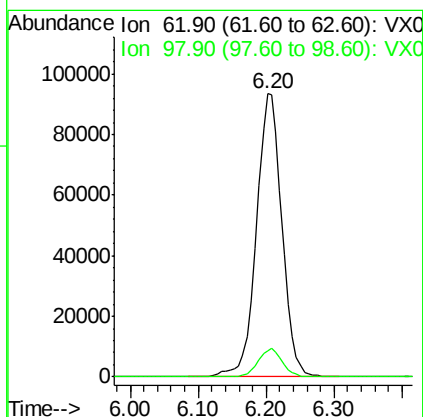
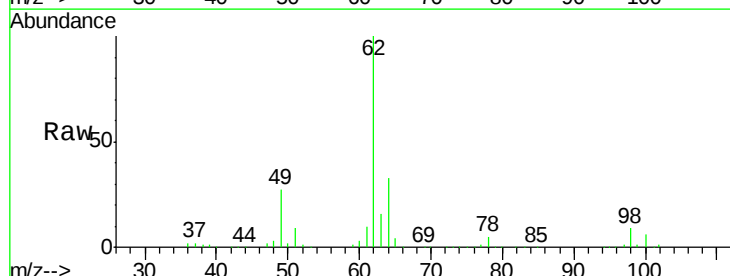
RT: 6.20 min Scan# 921

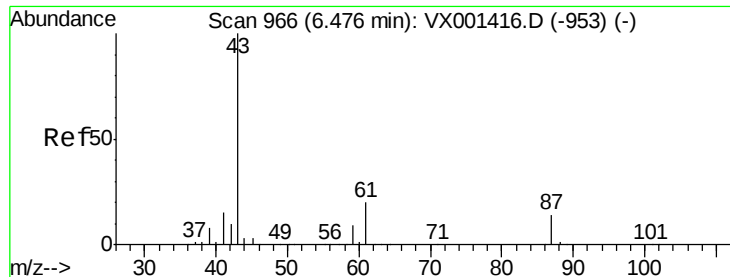
Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	19.0	





#43

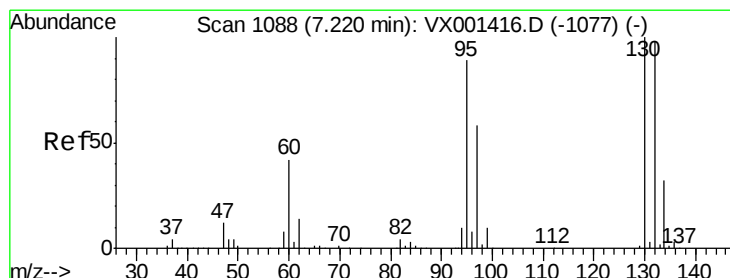
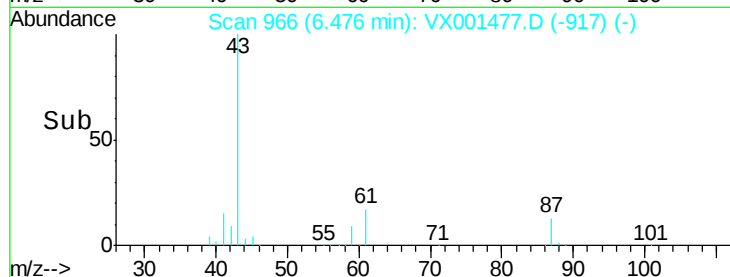
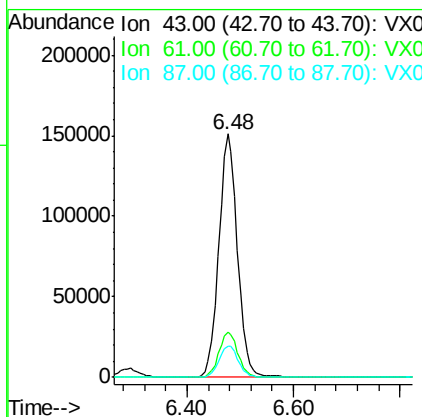
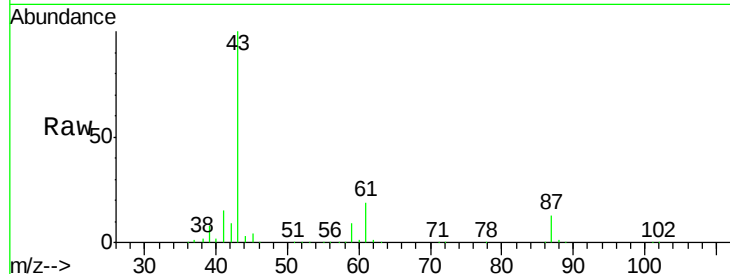
Isopropyl Acetate
 Concen: 54.02 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30312-20180428MSD

Tot Ion	43	Resp	367155
Ion Ratio	Lower	Upper	
43	100		
61	19.3	15.4	23.0
87	13.4	10.8	16.2

Manual Integrations
 APPROVED

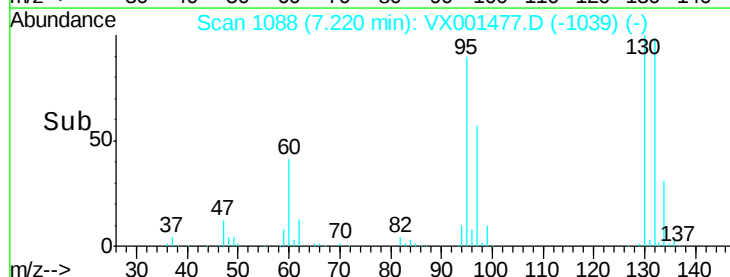
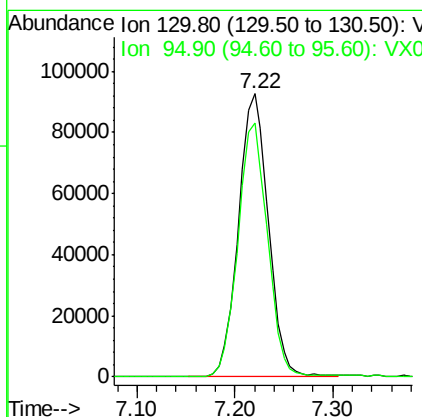
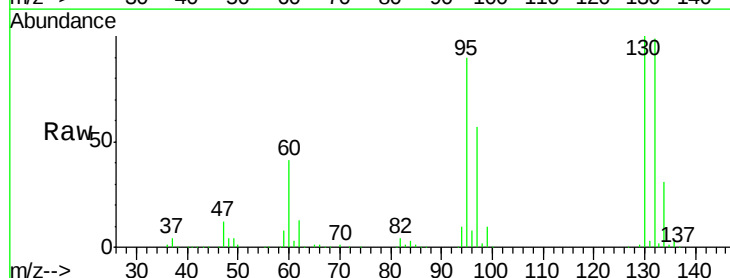
MMDadoda
 5/9/2018 5:47:33 PM

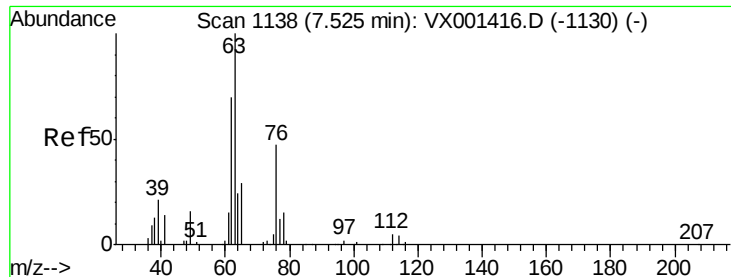


#44

Trichloroethene
 Concen: 54.59 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Tgt Ion	130	Resp	196849
Ion Ratio	Lower	Upper	
130	100		
95	89.7	0.0	178.4





#45

1,2-Dichloropropane

Concen: 53.49 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion: 63 Resp: 157320

Ion Ratio Lower Upper

63 100

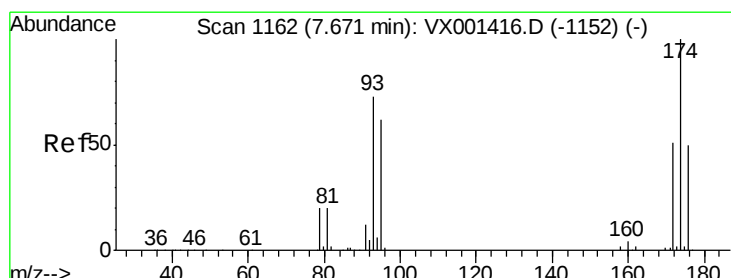
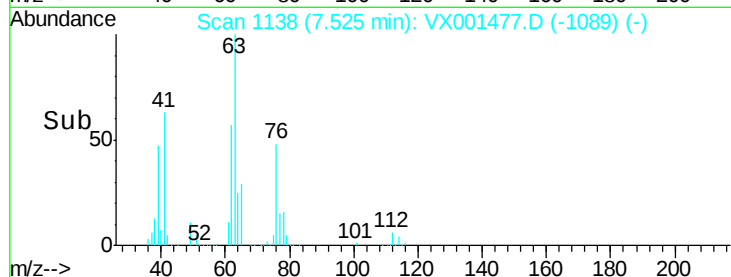
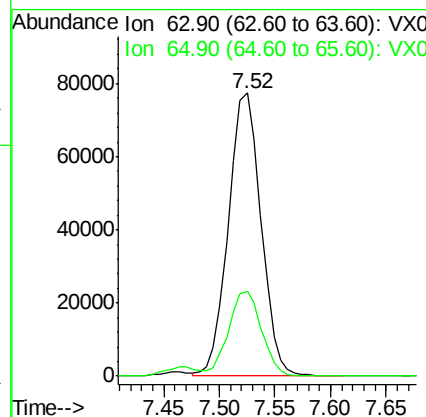
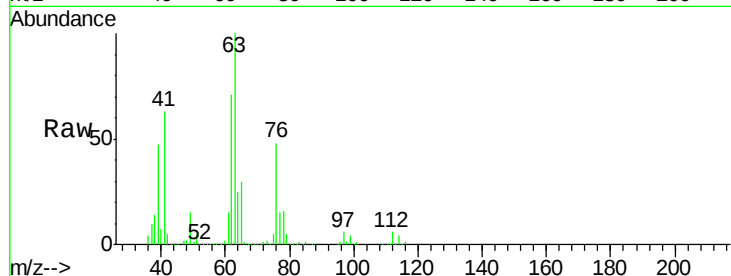
65 30.1 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

5/9/2018 5:47:33 PM



#46

Dibromomethane

Concen: 53.46 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

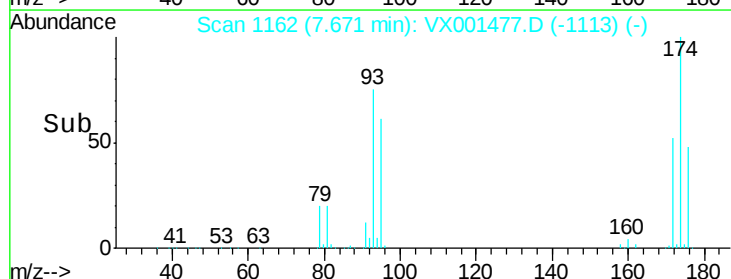
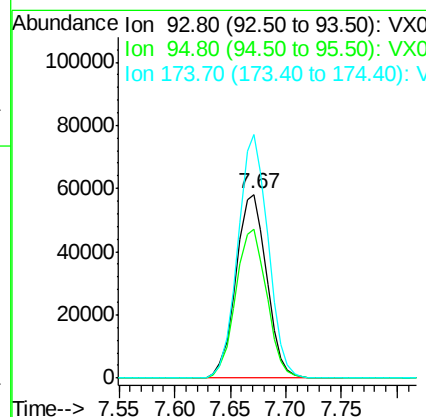
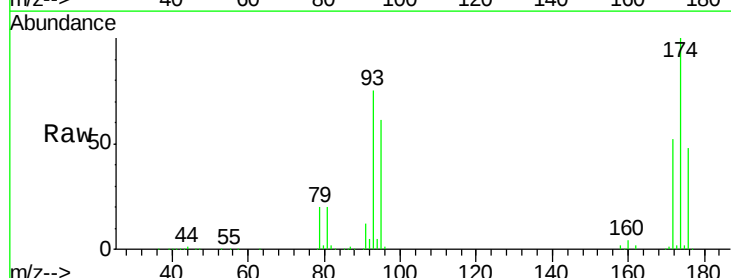
Tgt Ion: 93 Resp: 111325

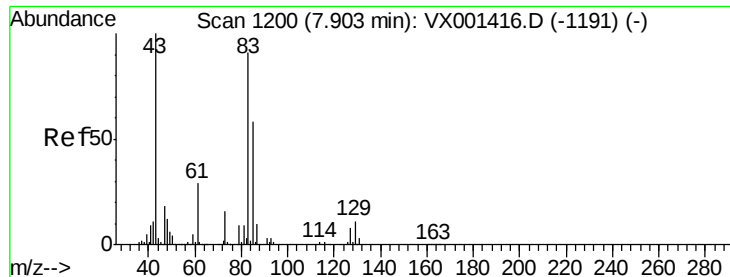
Ion Ratio Lower Upper

93 100

95 82.3 67.0 100.4

174 130.3 104.5 156.7





#47

Bromodichloromethane

Concen: 56.25 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

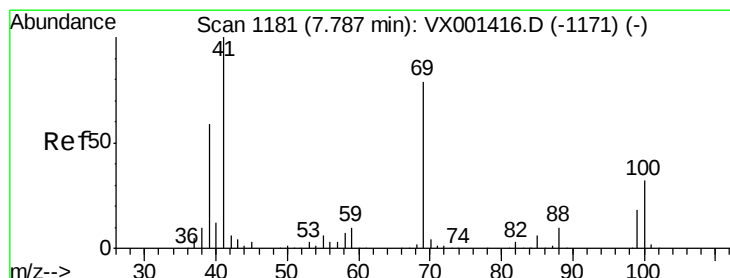
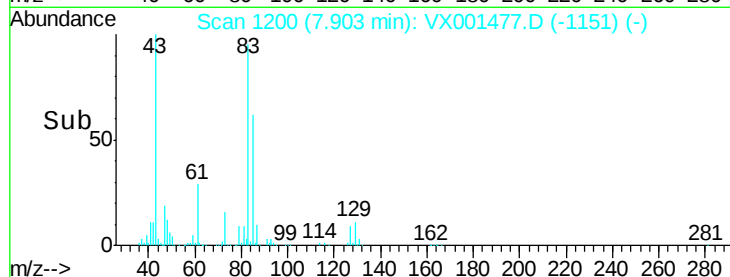
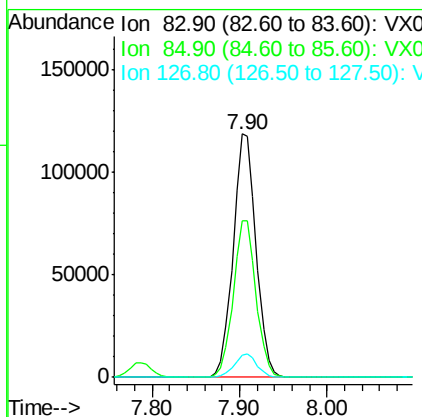
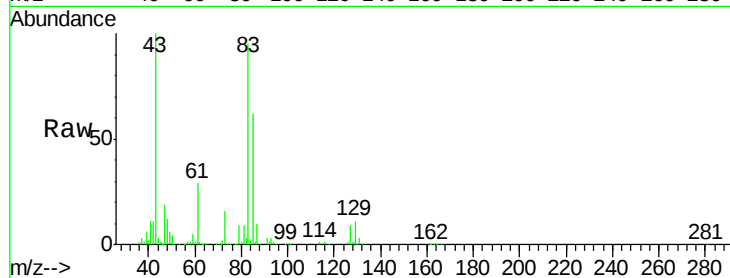
ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion:	83	Resp:	216780
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.6
127	9.3	7.4	11.2

Manual Integrations
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MMDadoda
5/9/2018 5:47:33 PM



#48

Methyl methacrylate

Concen: 55.34 ug/l

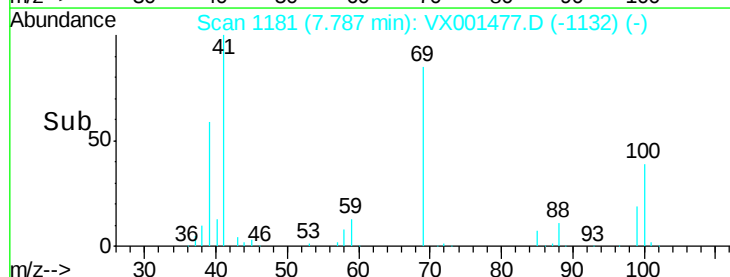
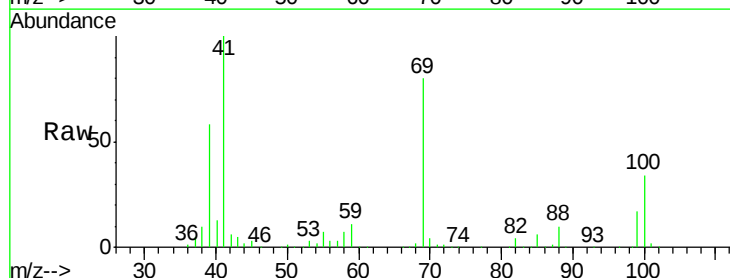
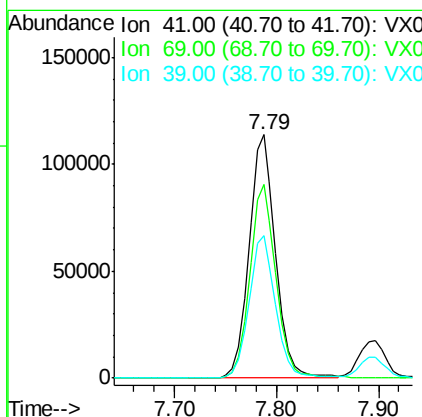
RT: 7.79 min Scan# 1181

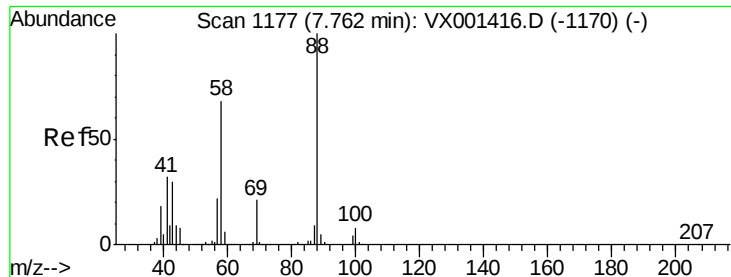
Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Tgt Ion:	41	Resp:	204809
Ion	Ratio	Lower	Upper
41	100		
69	79.3	63.4	95.2
39	58.4	47.0	70.4





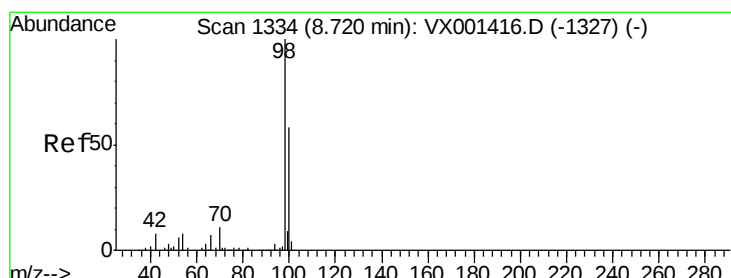
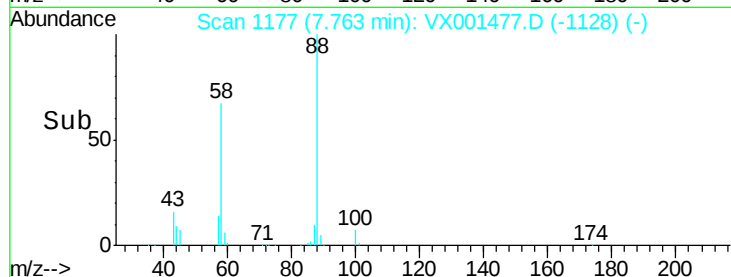
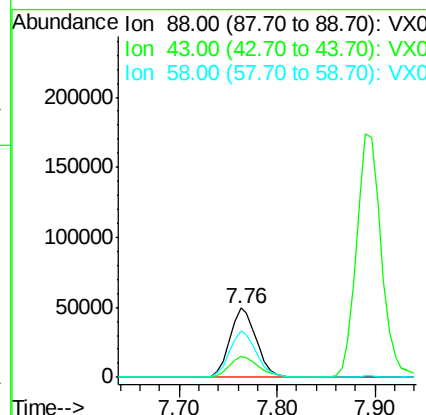
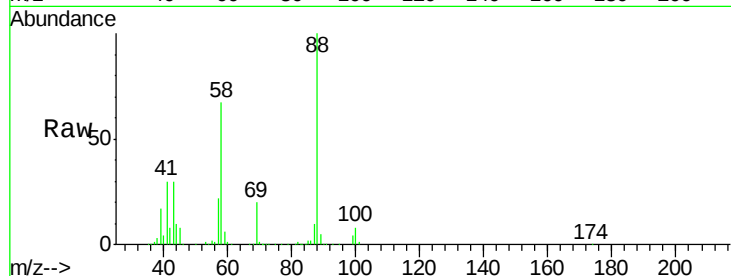
#49
1,4-Dioxane
Concen: 1154.90 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.4	39.6
58	69.0	54.1	81.1

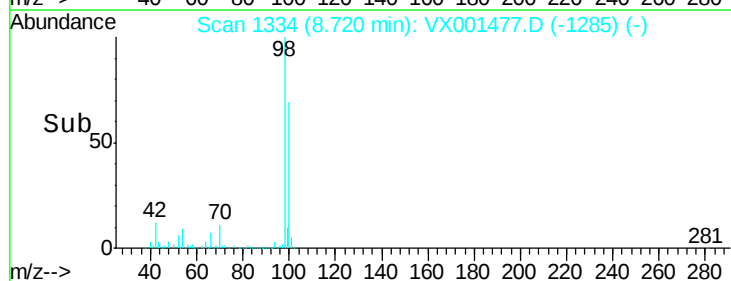
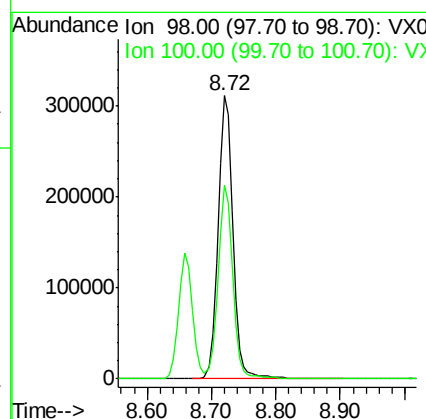
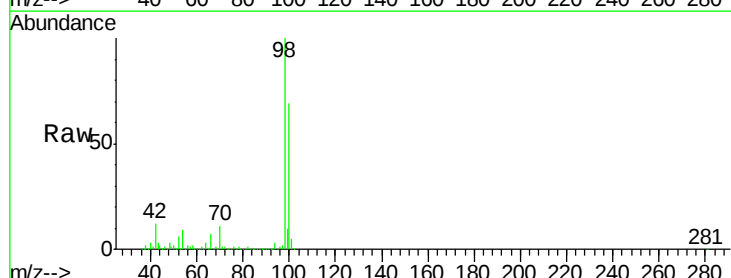
Manual Integrations
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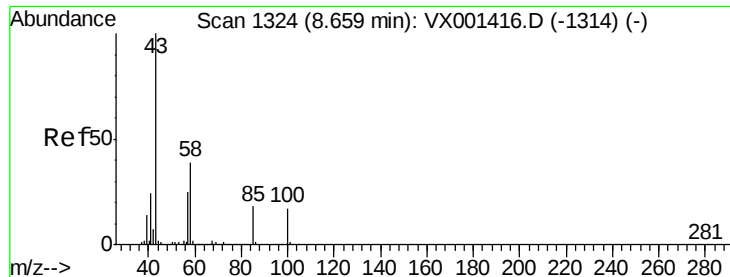
MMDadoda
5/9/2018 5:47:33 PM



#50
Toluene-d8
Concen: 49.17 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 285.32 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30312-20180428MSD

Tot Ion: 43 Resp: 1288763

Ion Ratio Lower Upper

43 100

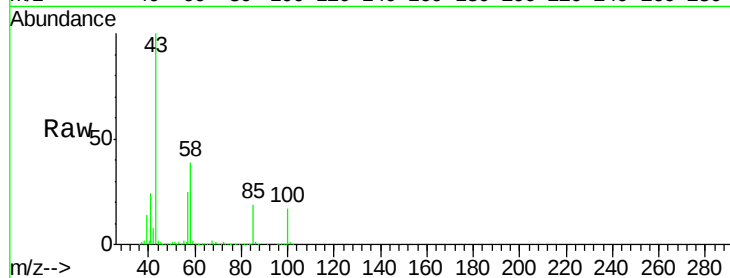
58 39.3 30.8 46.2

Manual Integrations

APPROVED

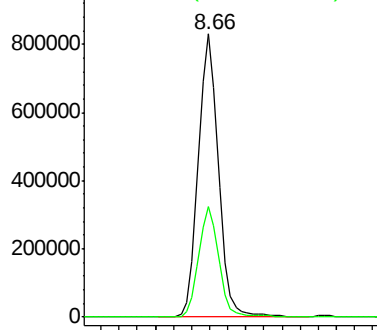
MMDadoda

5/9/2018 5:47:33 PM

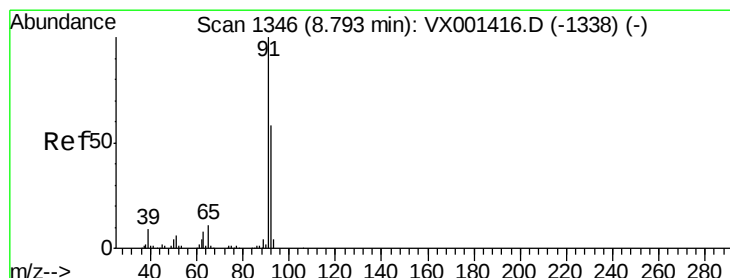
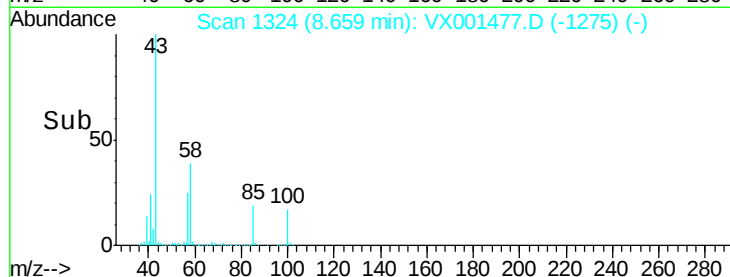


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 54.67 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001477.D

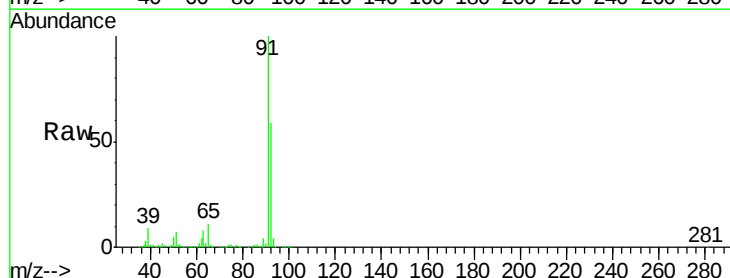
Acq: 07 May 2018 20:14

Tgt Ion: 92 Resp: 421790

Ion Ratio Lower Upper

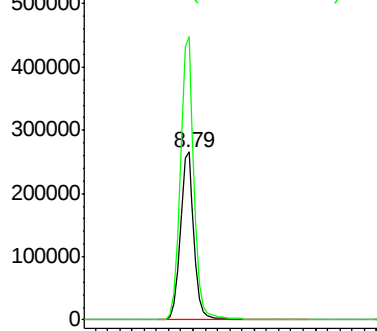
92 100

91 169.3 135.2 202.8

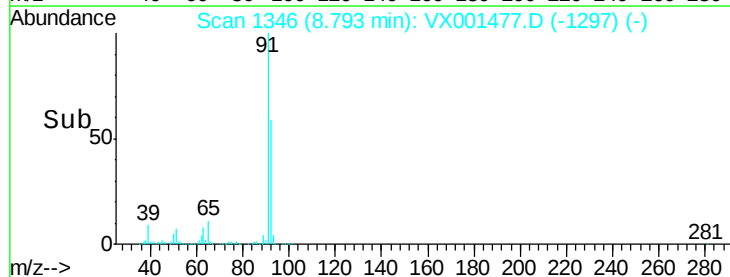


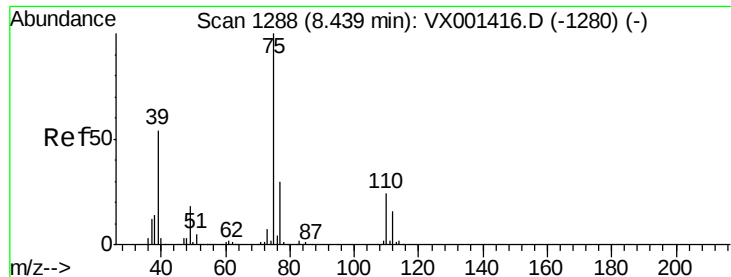
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





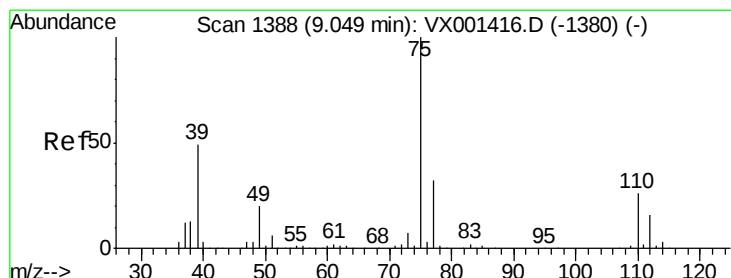
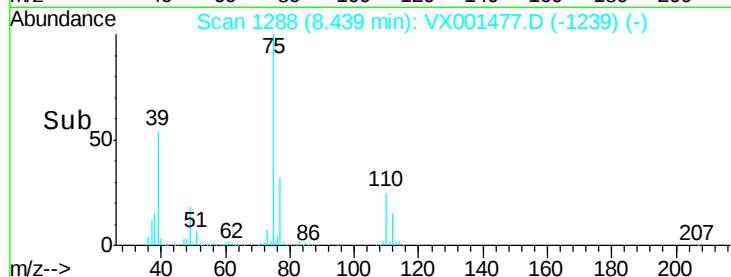
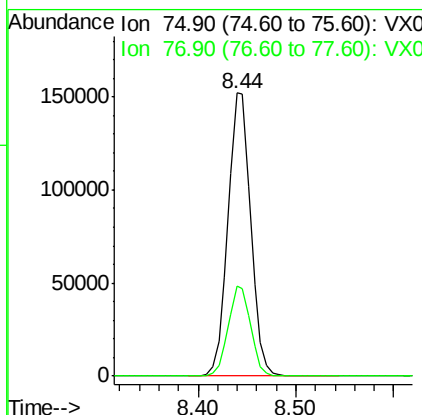
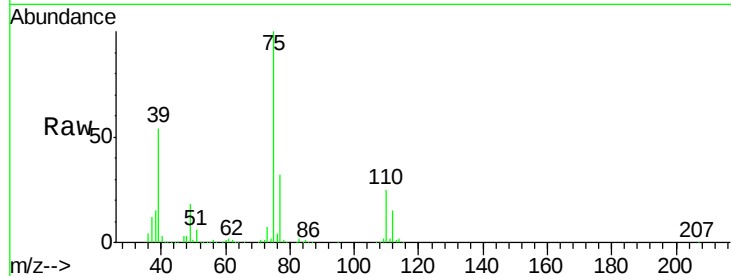
#53
t-1,3-Dichloropropene
Concen: 56.23 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.4

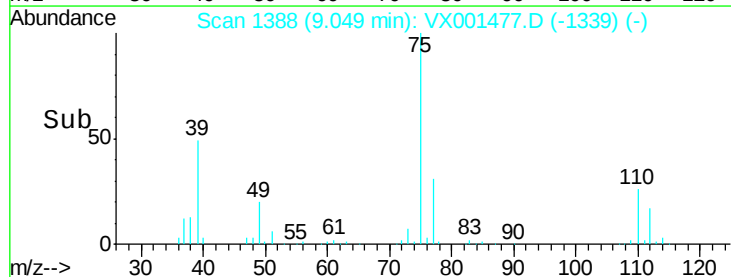
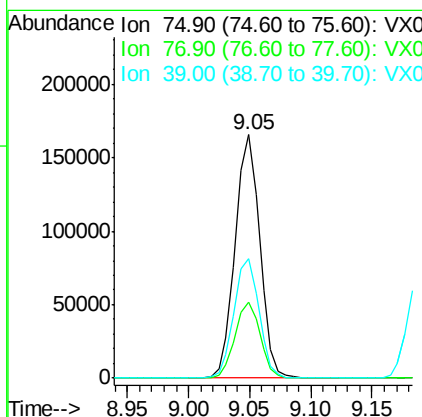
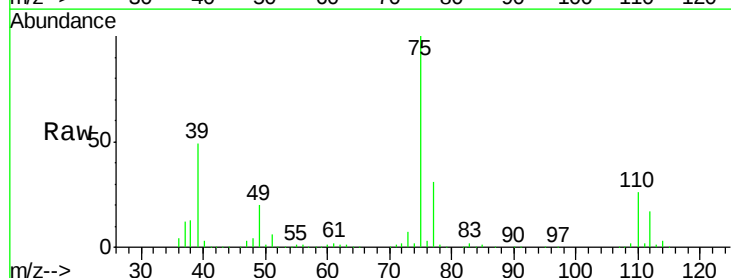
Manual Integrations
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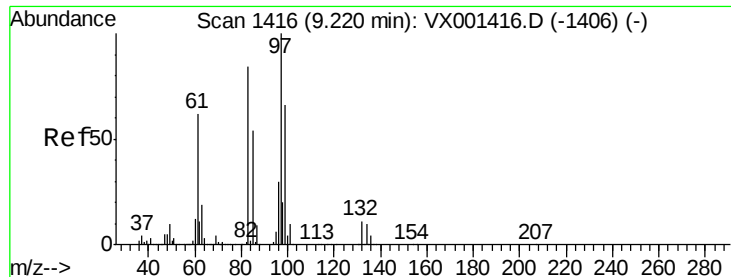
MMDadoda
5/9/2018 5:47:33 PM



#54
cis-1,3-Dichloropropene
Concen: 51.18 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3
39	49.1	38.9	58.3





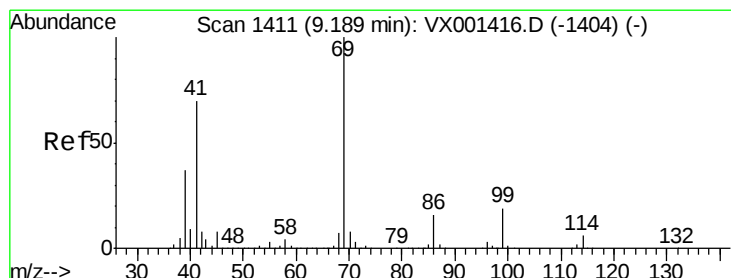
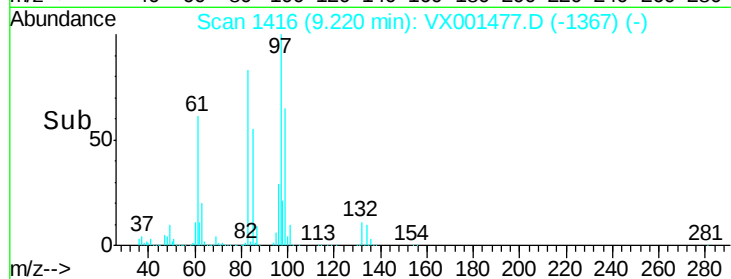
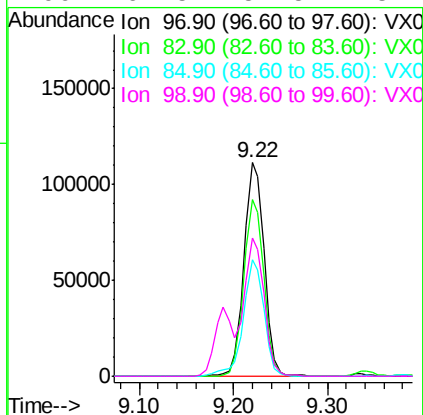
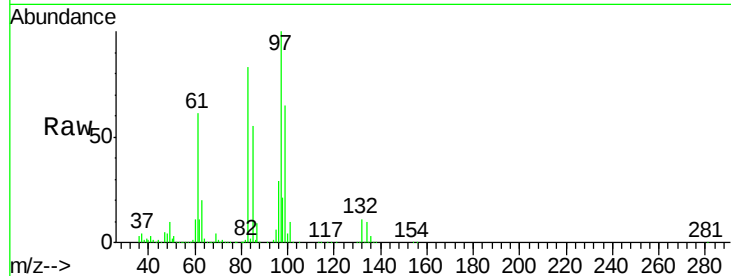
#55
 1,1,2-Trichloroethane
 Concen: 53.77 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30312-20180428MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		167114		
83	82.8	67.4	101.0		
85	54.7	43.3	64.9		
99	64.5	52.5	78.7		

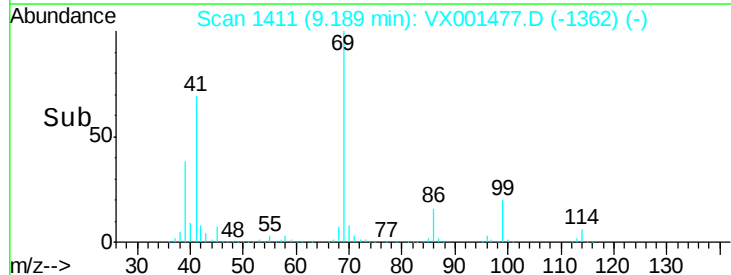
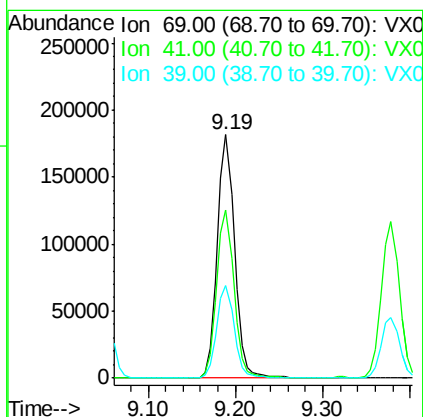
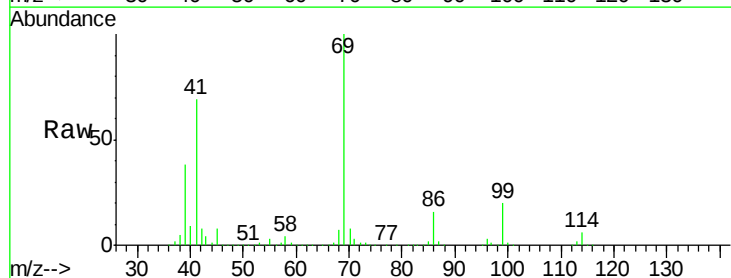
Manual Integrations
 APPROVED

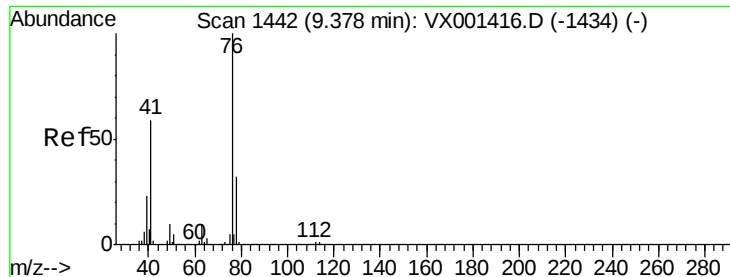
MMDadoda
 5/9/2018 5:47:33 PM



#56
 Ethyl methacrylate
 Concen: 55.76 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		249799		
41	69.2	55.1	82.7		
39	38.6	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 53.66 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion: 76 Resp: 275784

Ion Ratio Lower Upper

76 100

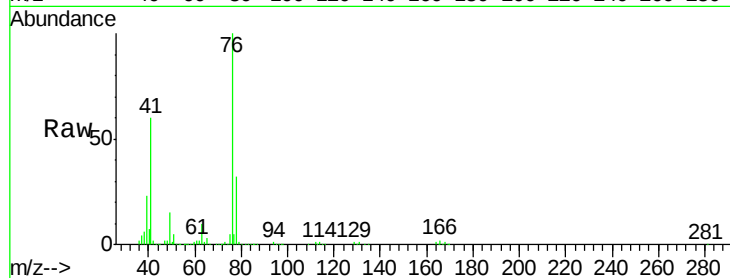
78 32.1 25.8 38.6

Manual Integrations

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MMDadoda

5/9/2018 5:47:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

200000

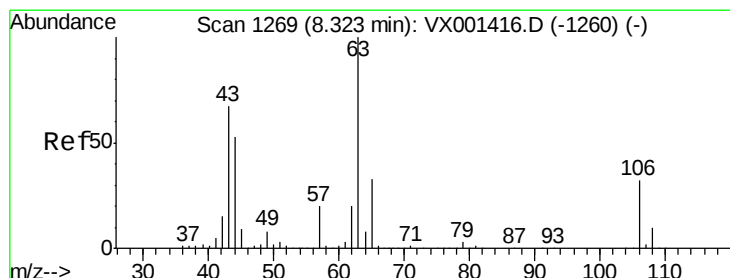
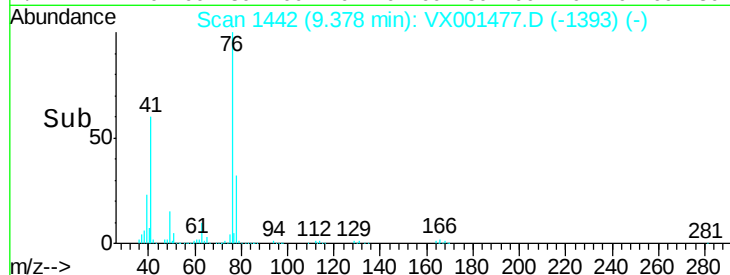
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 0.30 ug/l

RT: 8.29 min Scan# 1263

Delta R.T. -0.04 min

Lab File: VX001477.D

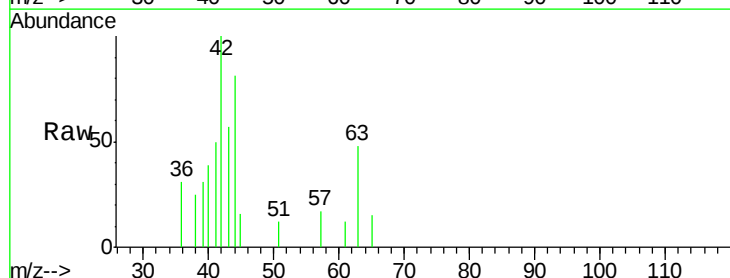
Acq: 07 May 2018 20:14

Tgt Ion: 63 Resp: 669

Ion Ratio Lower Upper

63 100

106 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

250

200

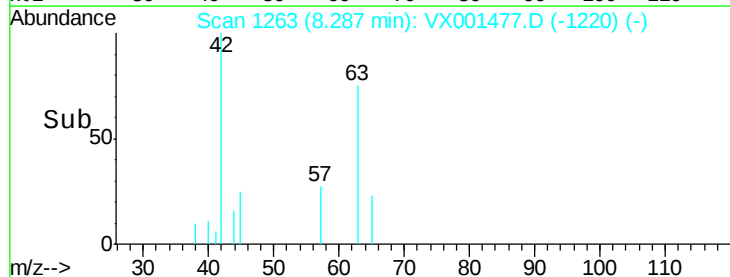
150

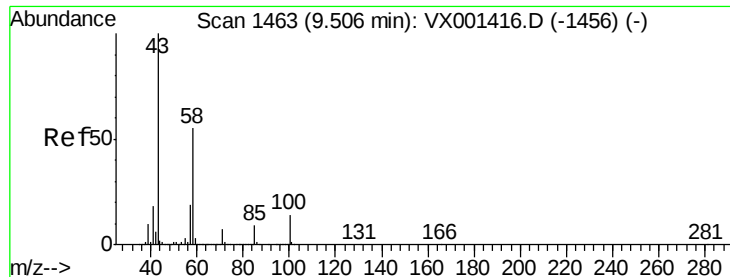
100

50

0

Time-->





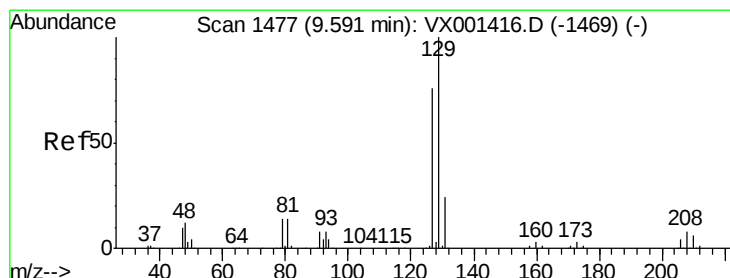
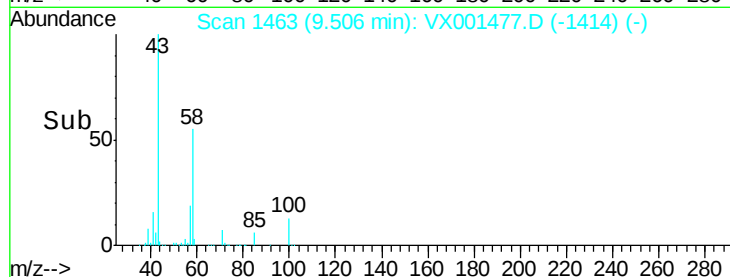
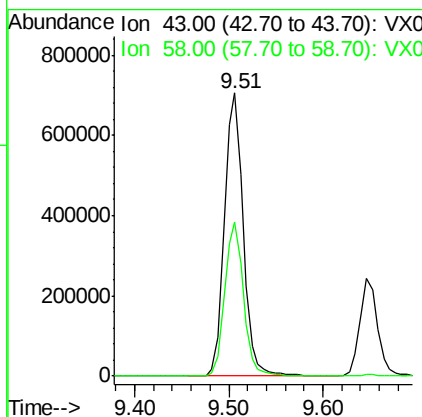
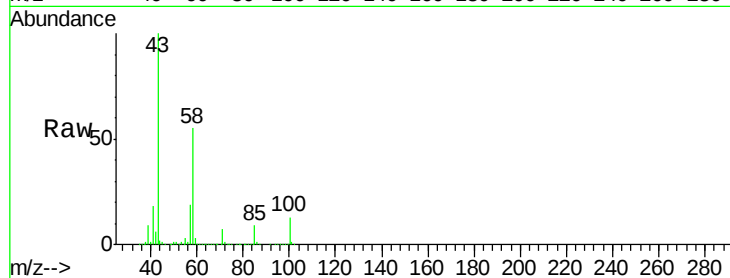
#59
2-Hexanone
Concen: 282.80 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.1	81.2

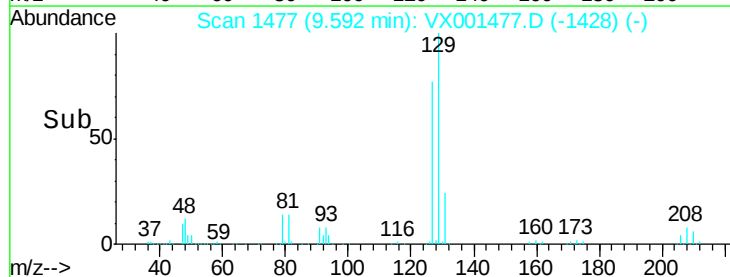
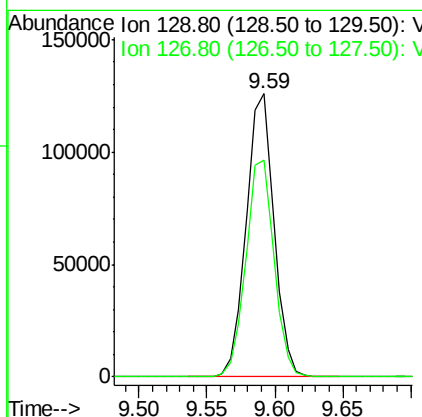
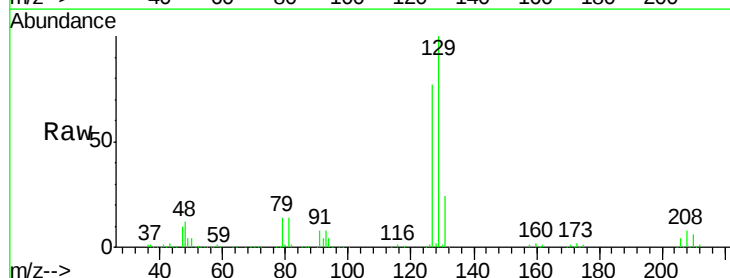
Manual Integrations
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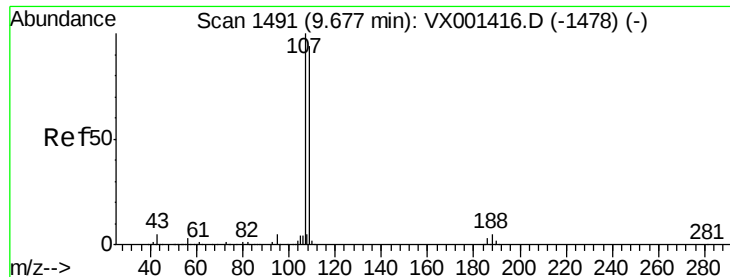
MMDadoda
5/9/2018 5:47:33 PM



#60
Dibromochloromethane
Concen: 56.85 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.1	114.5





#61

1,2-Dibromoethane

Concen: 54.56 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion: 107 Resp: 178029

Ion Ratio Lower Upper

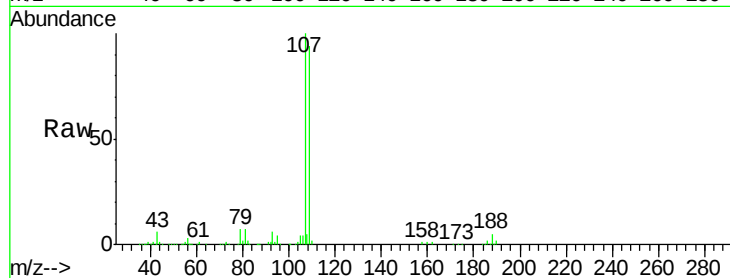
107 100

109 94.3 75.5 113.3

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

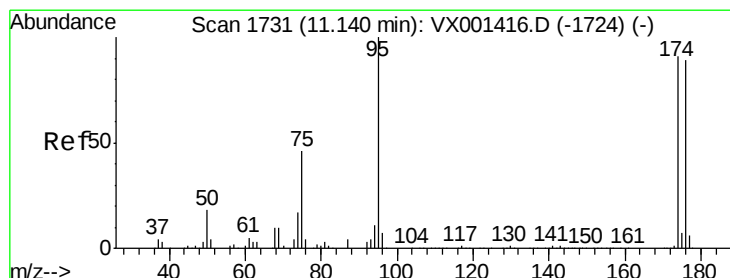
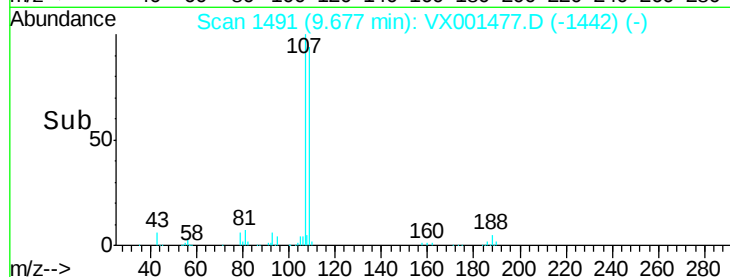
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

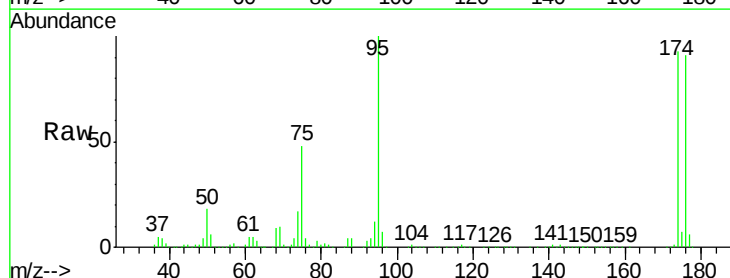
Tgt Ion: 95 Resp: 194761

Ion Ratio Lower Upper

95 100

174 101.9 0.0 202.0

176 98.2 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

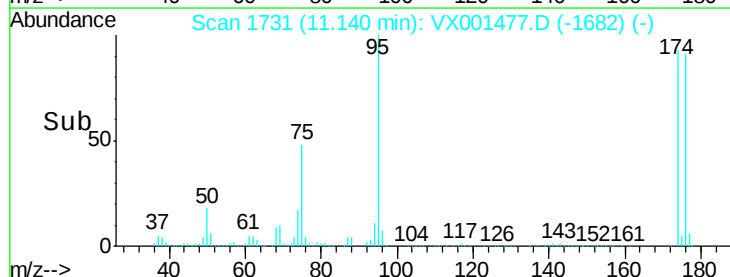
150000

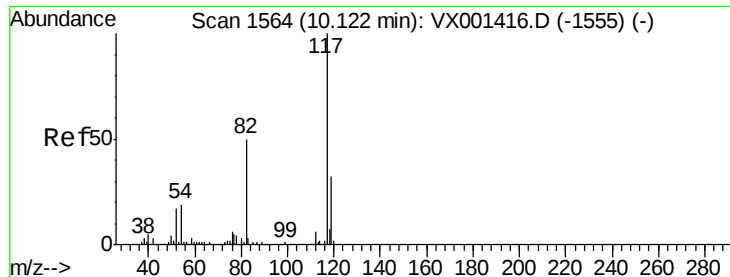
100000

50000

0

Time-->





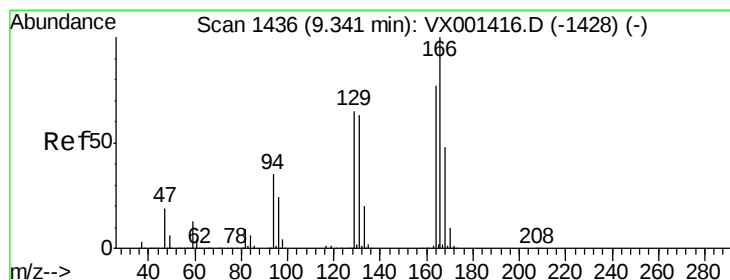
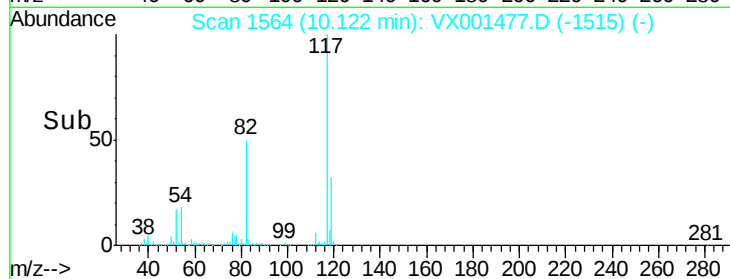
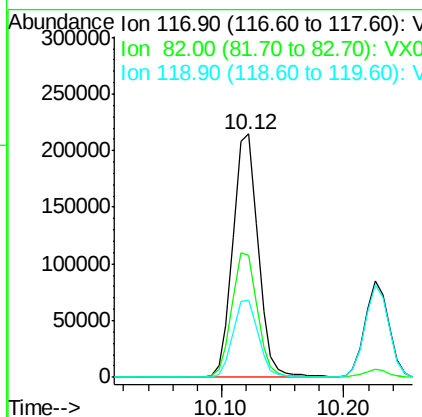
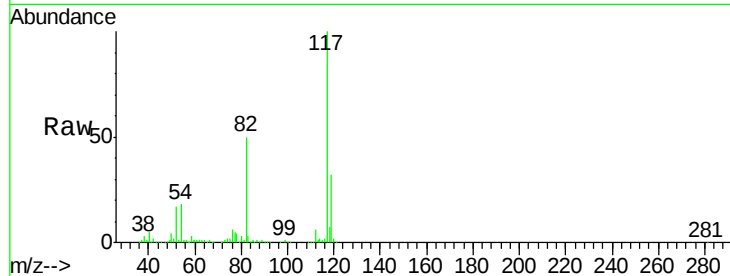
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	306180		
82	50.0	40.0	60.0	
119	31.8	25.8	38.8	

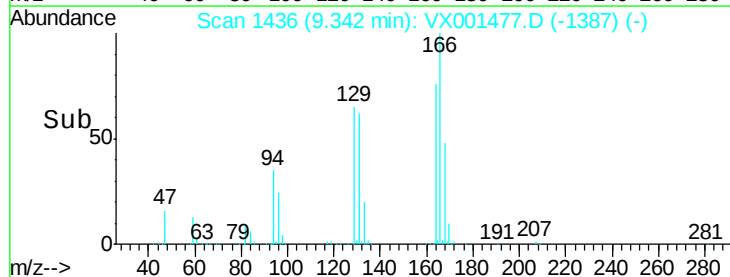
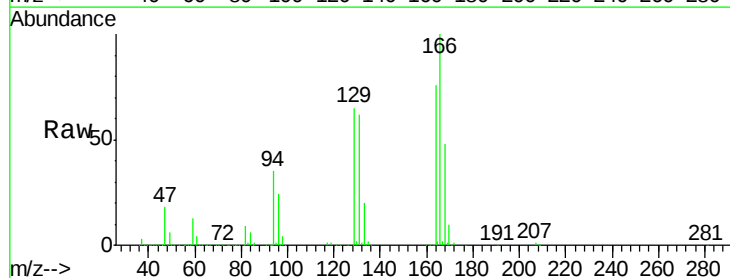
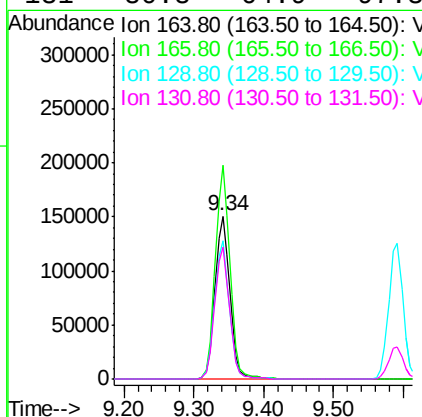
Manual Integrations
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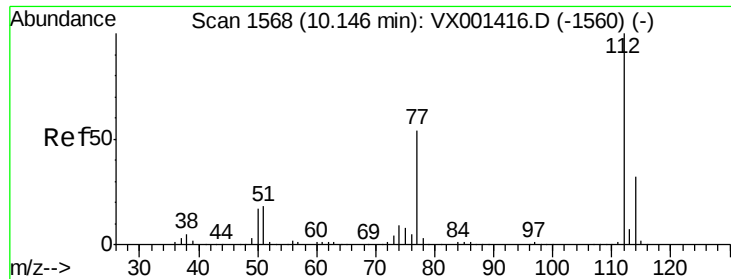
MMDadoda
5/9/2018 5:47:33 PM



#64
Tetrachloroethene
Concen: 52.44 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	223801		
166	131.3	103.5	155.3	
129	84.7	66.7	100.1	
131	80.8	64.9	97.3	





#65

Chlorobenzene

Concen: 52.75 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion:112 Resp: 473703

Ion Ratio Lower Upper

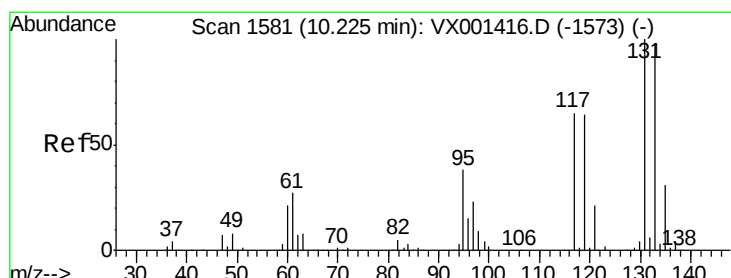
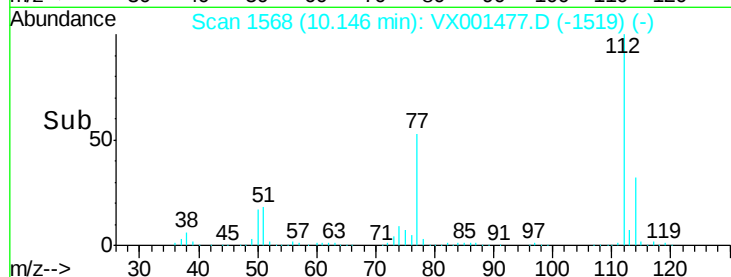
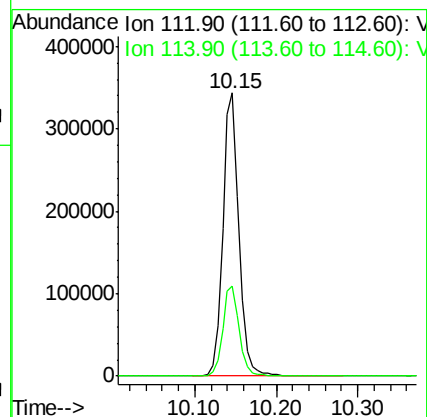
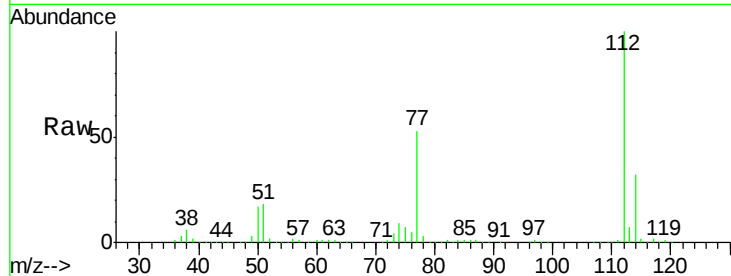
112 100

114 31.9 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 55.32 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

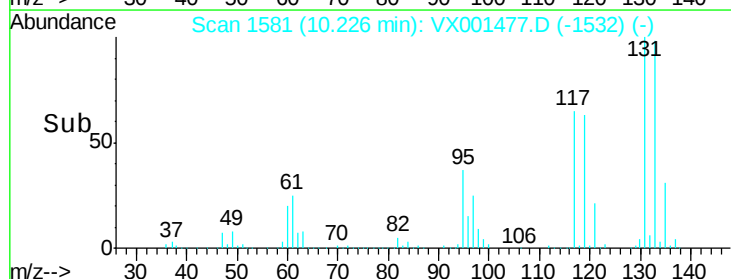
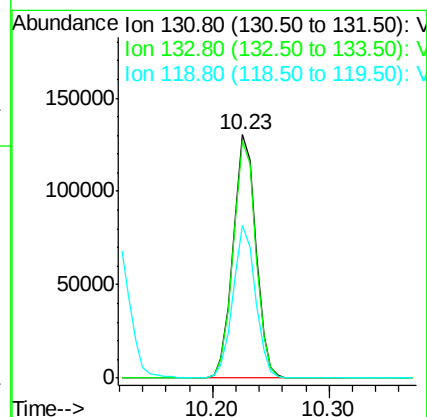
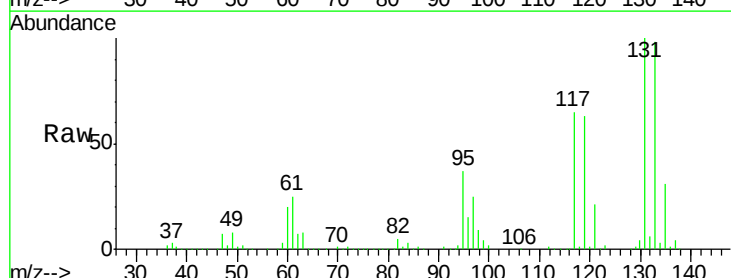
Tgt Ion:131 Resp: 177696

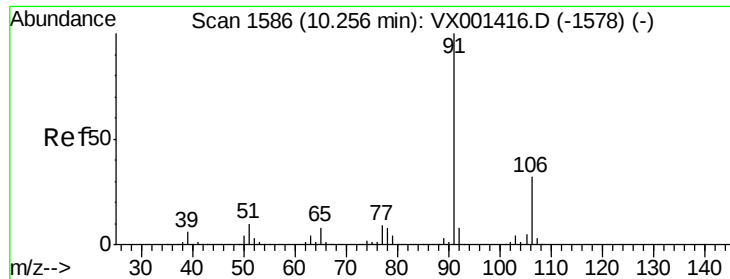
Ion Ratio Lower Upper

131 100

133 97.3 47.9 143.8

119 62.2 31.1 93.3





#67

Ethyl Benzene

Concen: 53.23 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion: 91 Resp: 783437

Ion Ratio Lower Upper

91 100

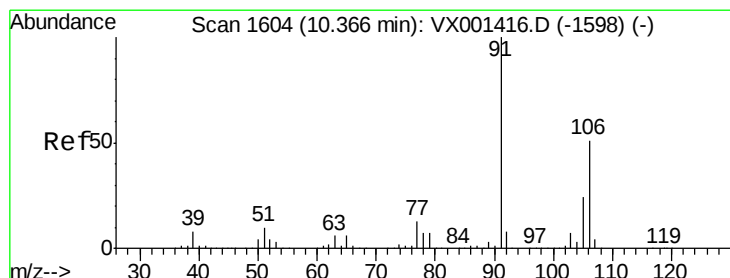
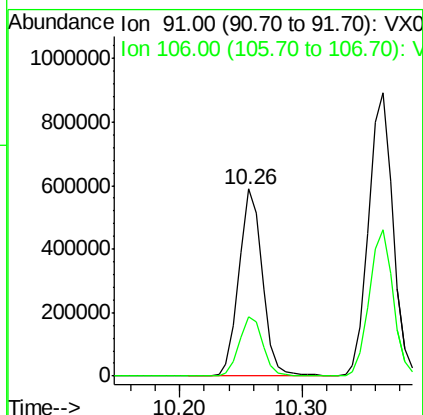
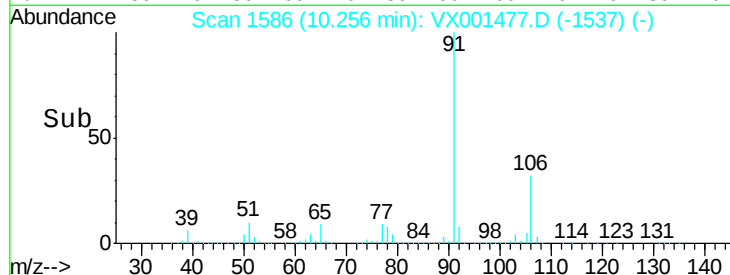
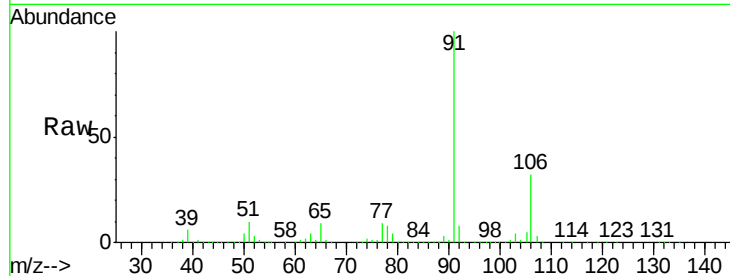
106 31.8 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 108.30 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001477.D

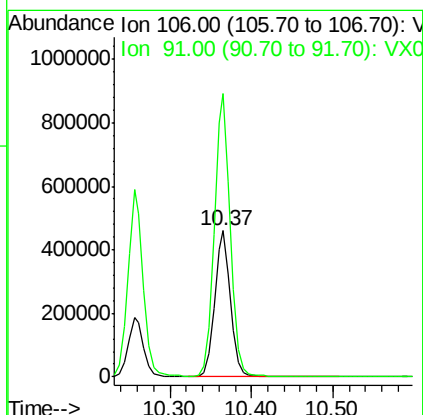
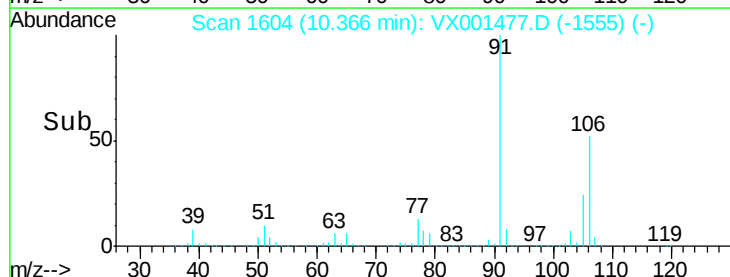
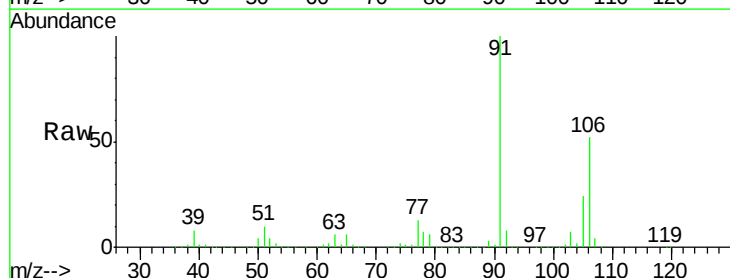
Acq: 07 May 2018 20:14

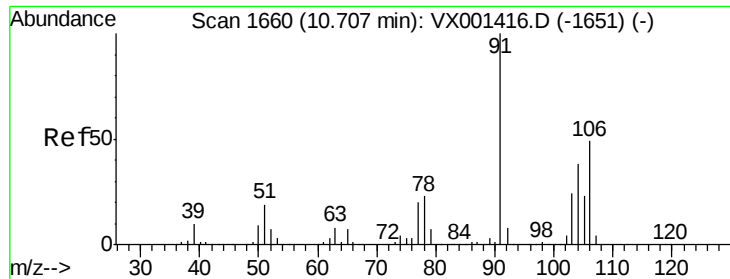
Tgt Ion: 106 Resp: 629824

Ion Ratio Lower Upper

106 100

91 196.4 157.5 236.3





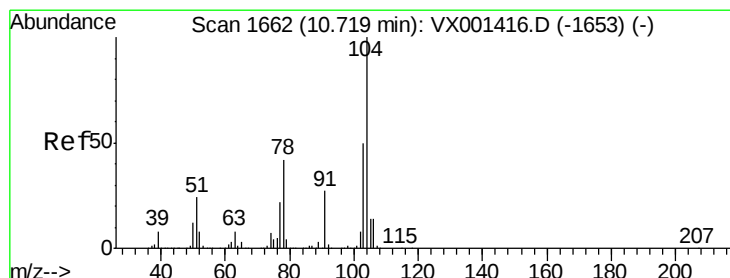
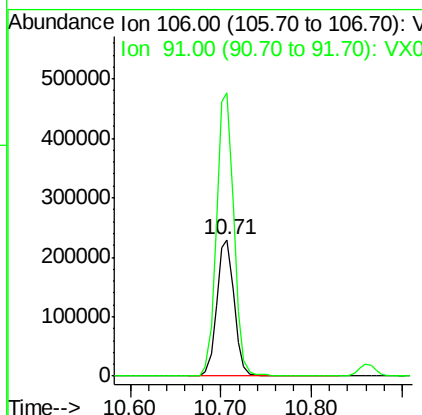
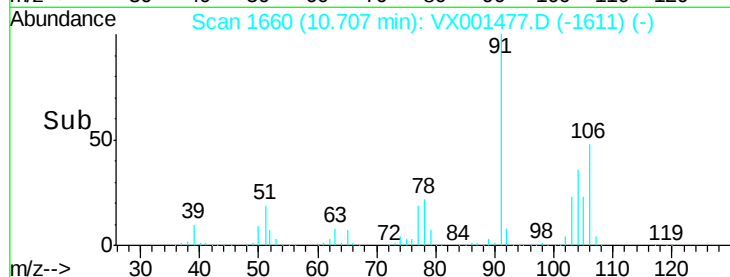
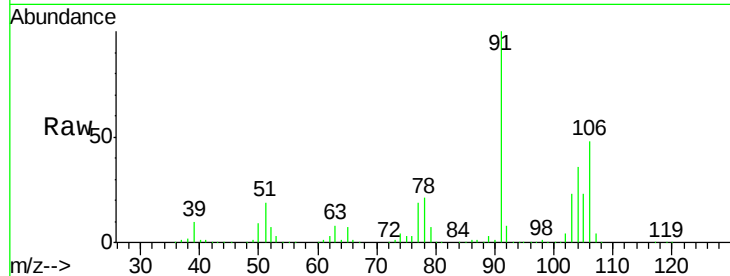
#69
o-Xylene
Concen: 54.33 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30312-20180428MSD

Tot Ion:106 Resp: 307067
Ion Ratio Lower Upper
106 100
91 208.4 103.1 309.1

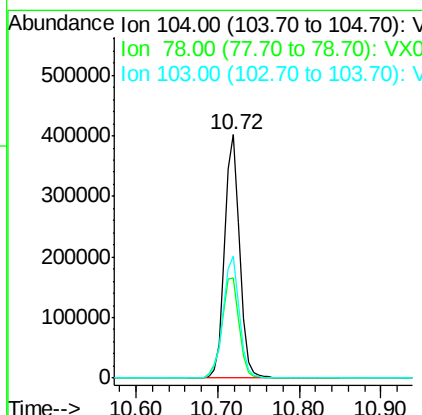
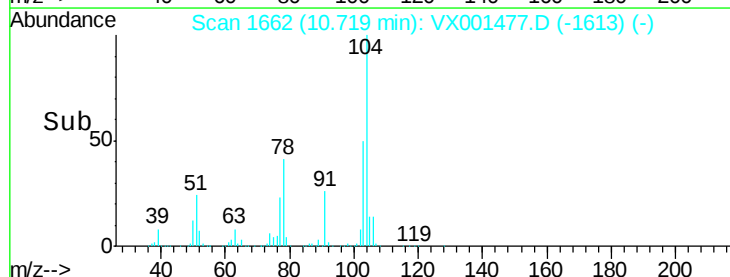
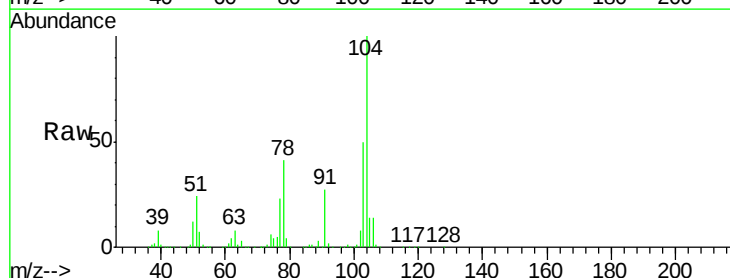
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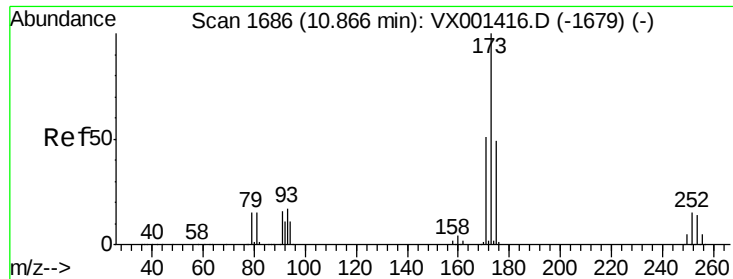
MMDadoda
5/9/2018 5:47:33 PM



#70
Styrene
Concen: 55.63 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion:104 Resp: 510784
Ion Ratio Lower Upper
104 100
78 47.9 38.6 58.0
103 54.7 44.0 66.0





#71

Bromoform

Concen: 48.81 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

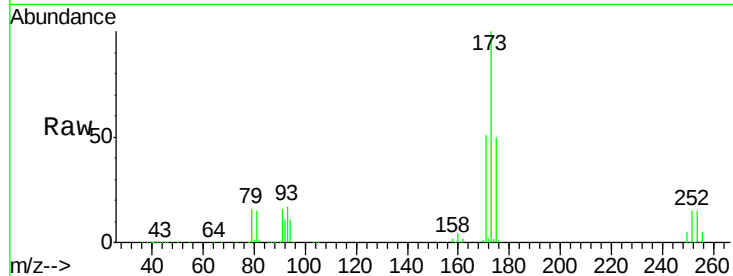
ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

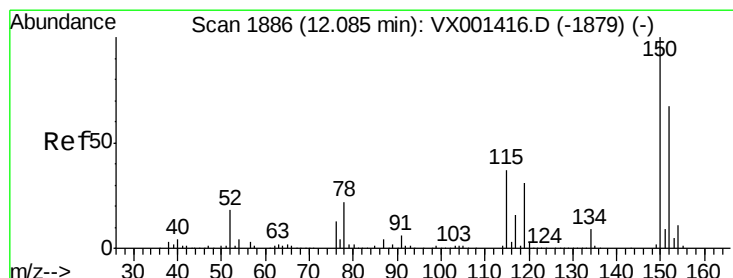
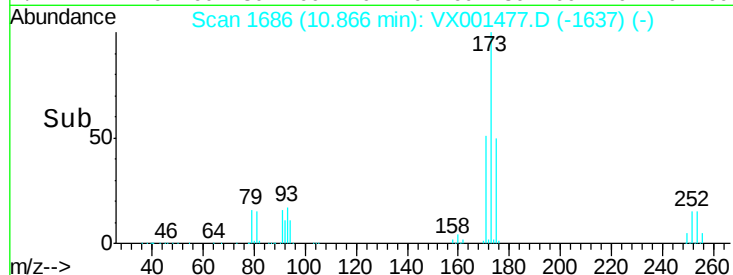
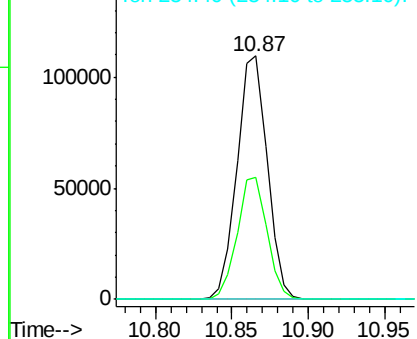
Tot Ion:	173	Resp:	150499
Ion Ratio	Lower	Upper	
173	100		
175	49.6	24.5	73.5
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

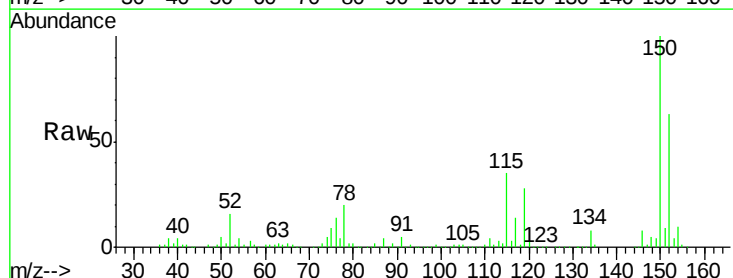
RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

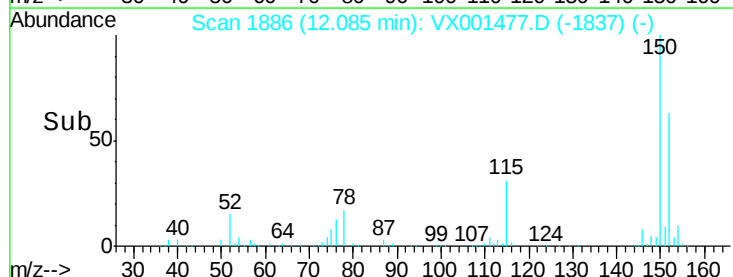
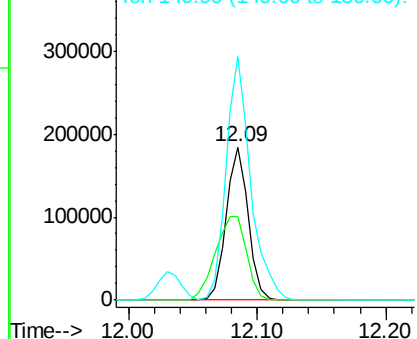
Lab File: VX001477.D

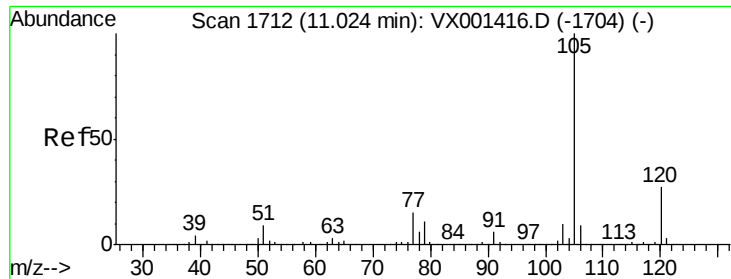
Acq: 07 May 2018 20:14

Tgt Ion:	152	Resp:	221719
Ion Ratio	Lower	Upper	
152	100		
115	77.0	37.7	113.1
150	177.1	0.0	349.4



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





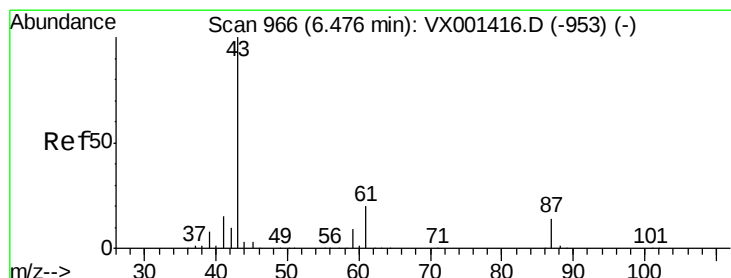
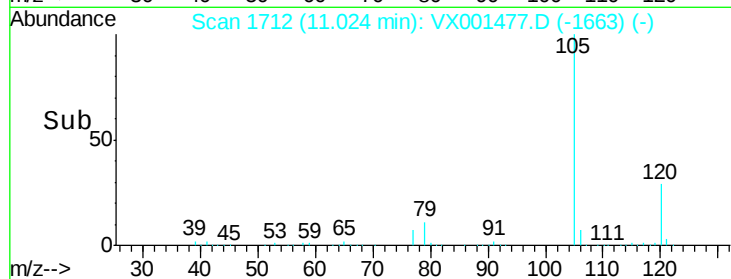
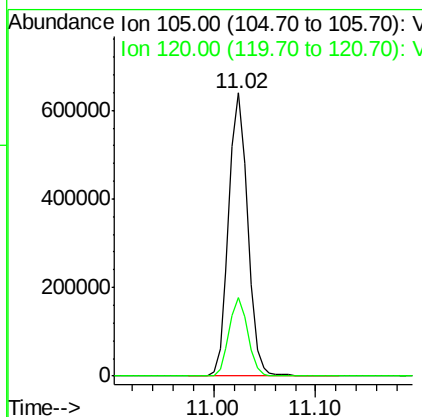
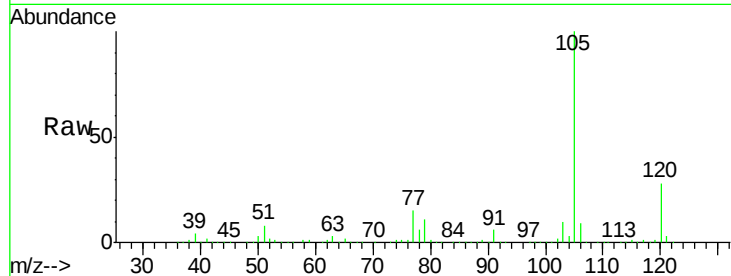
#73
Isopropylbenzene
Concen: 53.70 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30312-20180428MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	824260		
120	27.4	13.6	40.8	

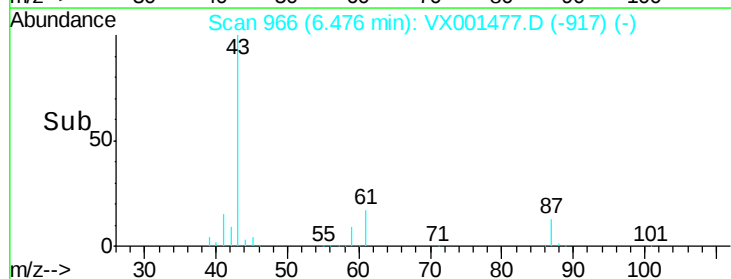
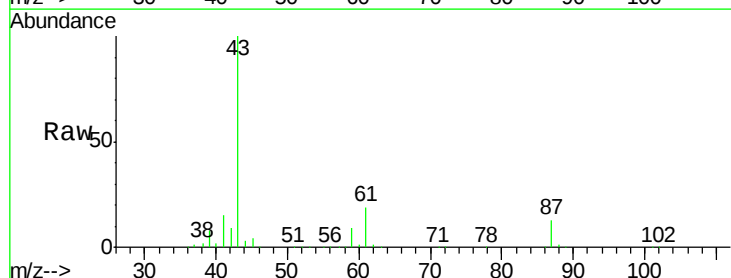
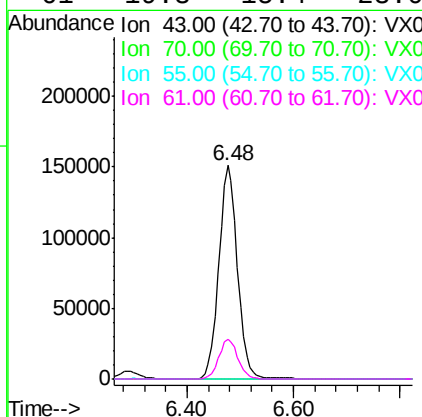
Manual Integrations
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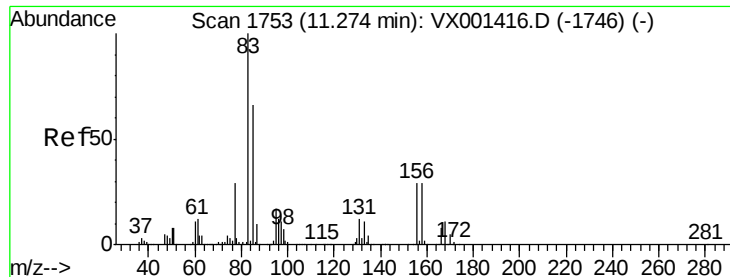
MMDadoda
5/9/2018 5:47:33 PM



#74
N-ethyl acetate
Concen: 52.66 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	367155		
70	0.0	0.0	0.0	
55	0.0	0.1	0.1	
61	19.3	15.4	23.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 53.55 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

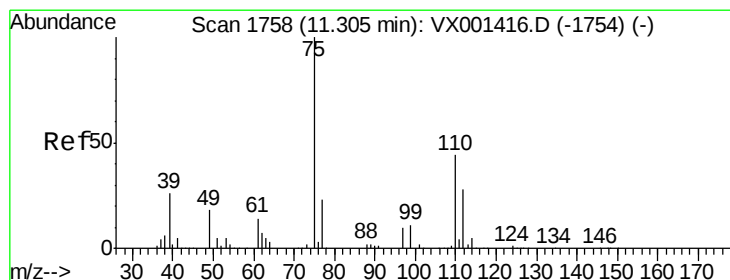
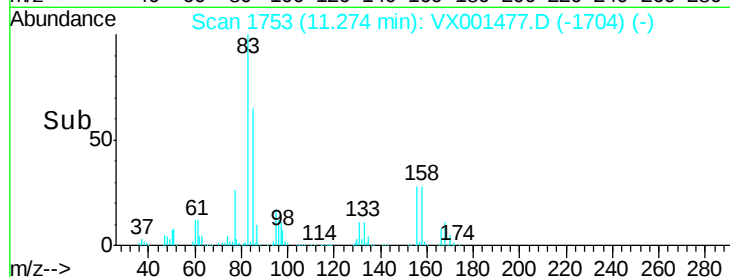
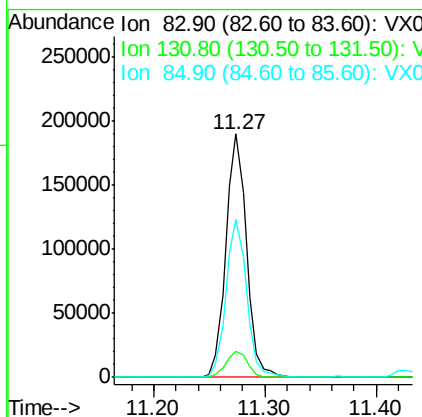
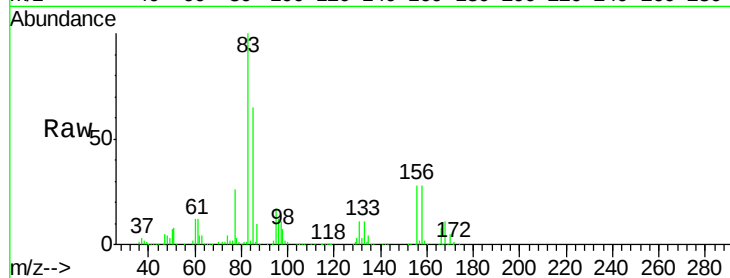
ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion:	83	Resp:	242782
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.4
85	65.1	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.09 ug/l m

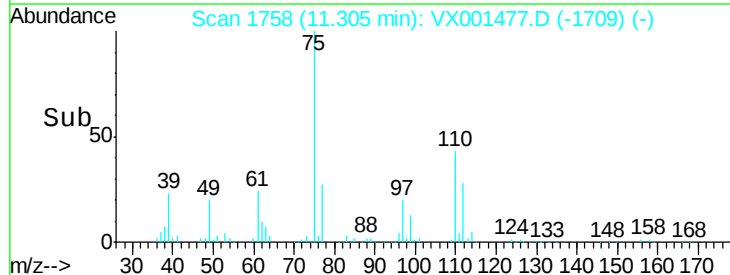
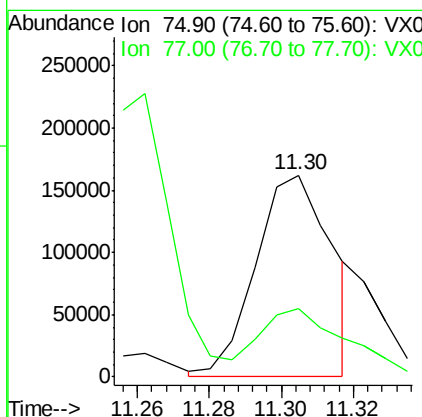
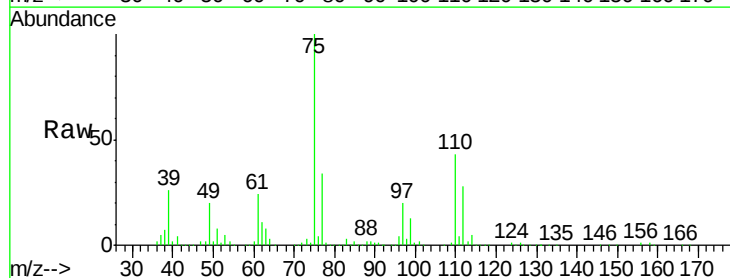
RT: 11.30 min Scan# 1758

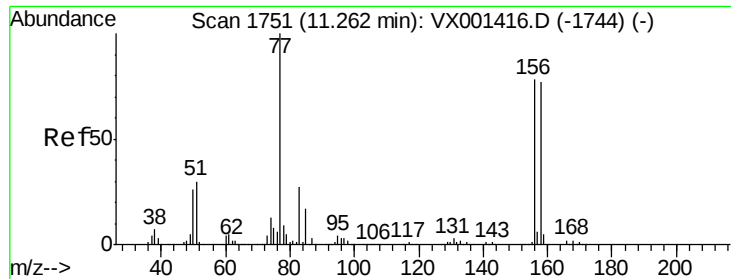
Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Tgt Ion:	75	Resp:	238712
Ion Ratio	Lower	Upper	
75	100		
77	38.3	19.6	58.7





#77

Bromobenzene

Concen: 52.38 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

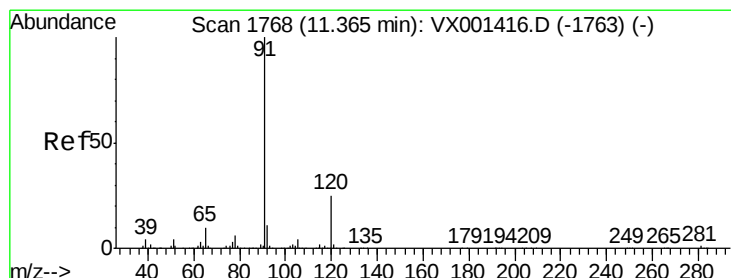
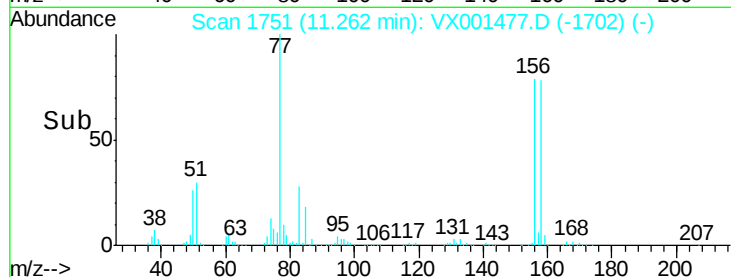
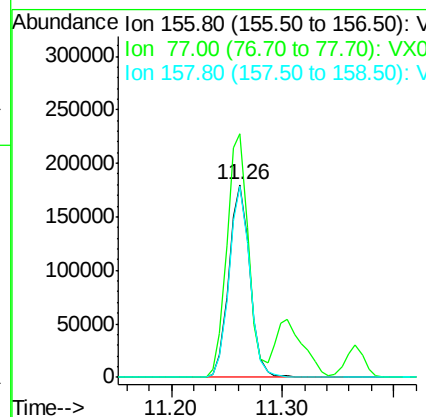
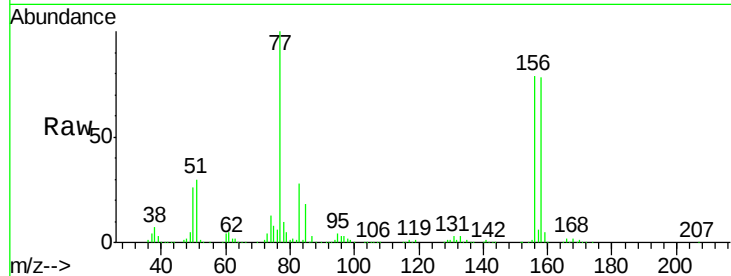
ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion:	156	Resp:	233728
Ion Ratio	Lower	Upper	
156	100		
77	130.9	66.0	198.2
158	98.0	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 54.56 ug/l

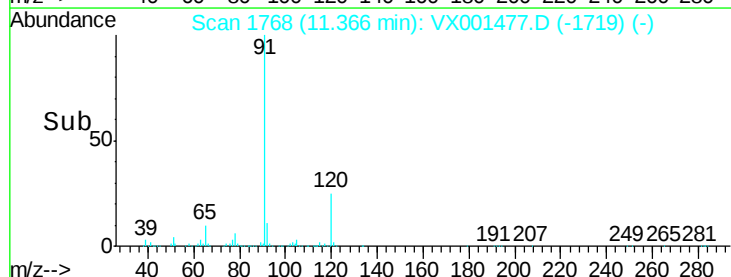
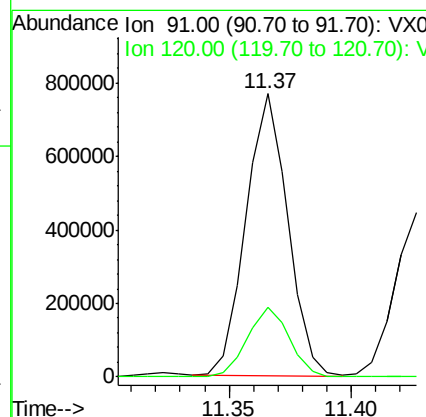
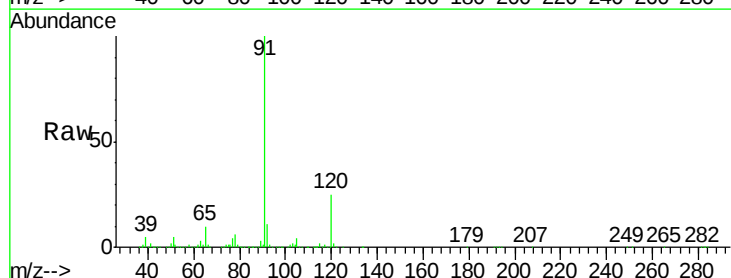
RT: 11.37 min Scan# 1768

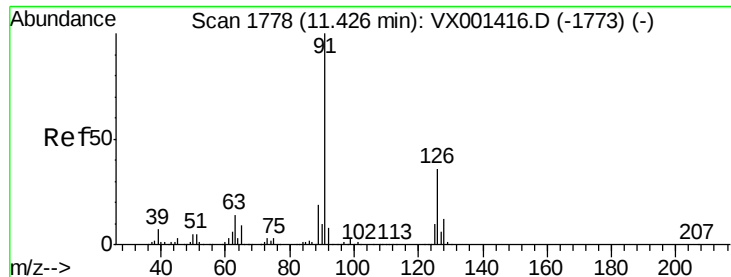
Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Tgt Ion:	91	Resp:	911858
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.5	37.5





#79

2-Chlorotoluene

Concen: 52.96 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30312-20180428MSD

Tot Ion: 91 Resp: 544691

Ion Ratio Lower Upper

91 100

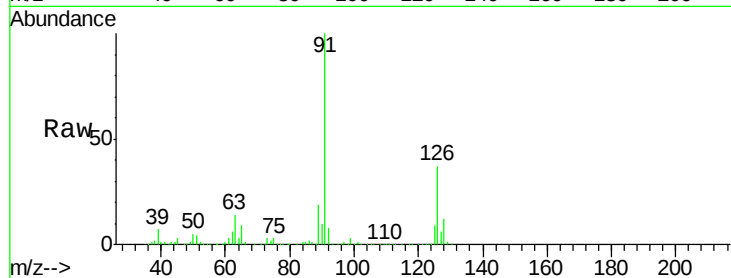
126 37.0 18.1 54.4

Manual Integrations

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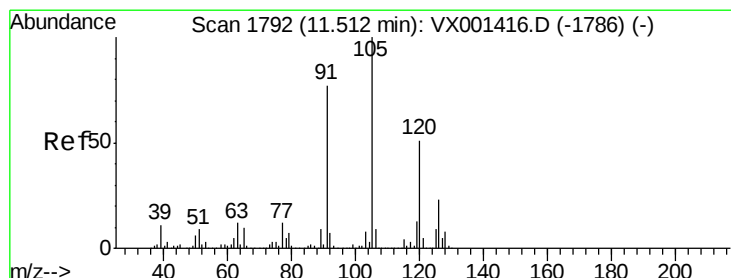
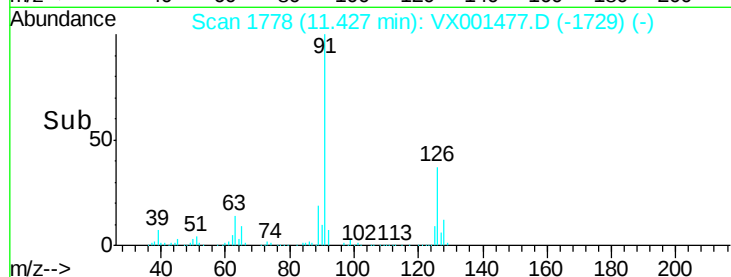
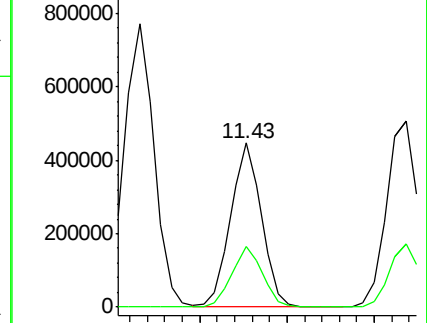
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.88 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001477.D

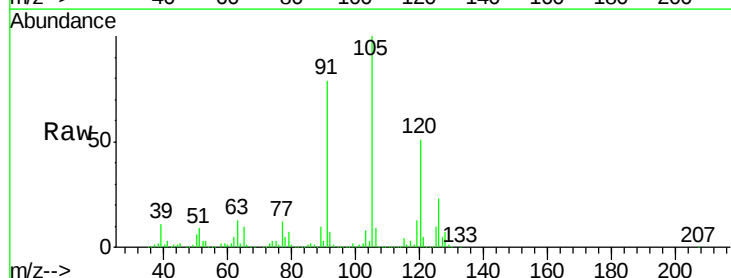
Acq: 07 May 2018 20:14

Tgt Ion:105 Resp: 688496

Ion Ratio Lower Upper

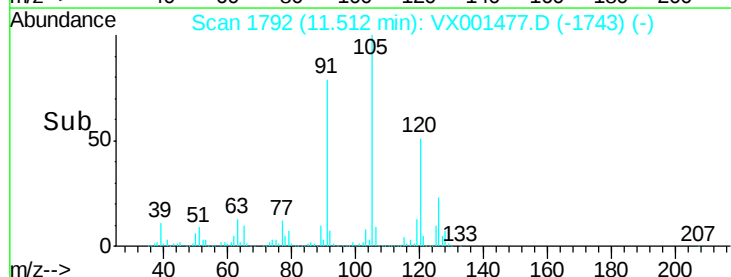
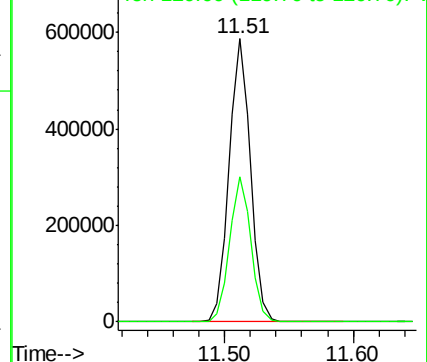
105 100

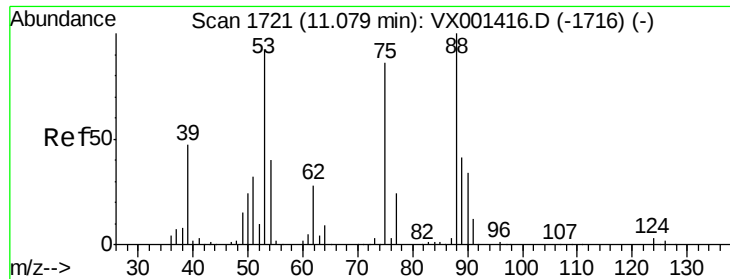
120 51.2 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





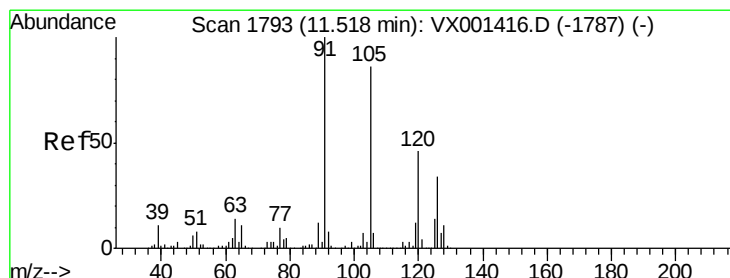
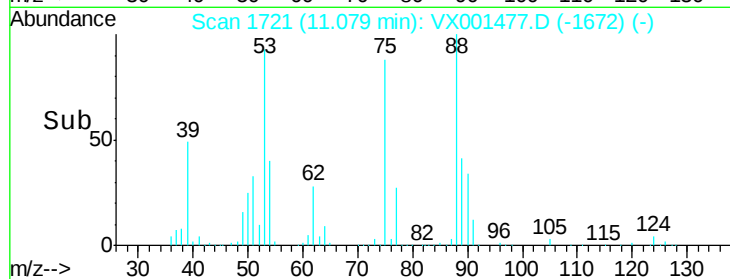
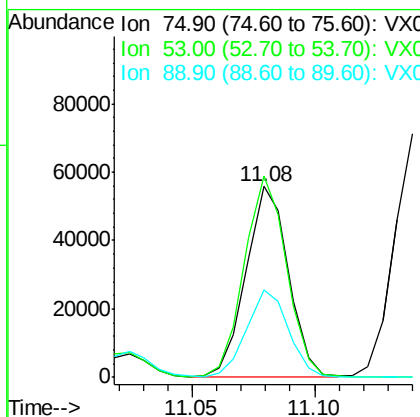
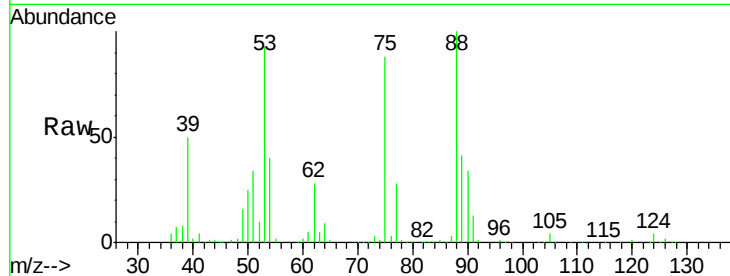
#81
trans-1,4-Dichloro-2-butene
Concen: 47.66 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30312-20180428MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.6	84.5	126.7
89	45.6	39.5	59.3

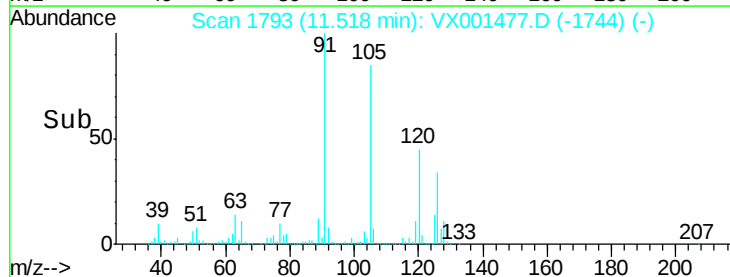
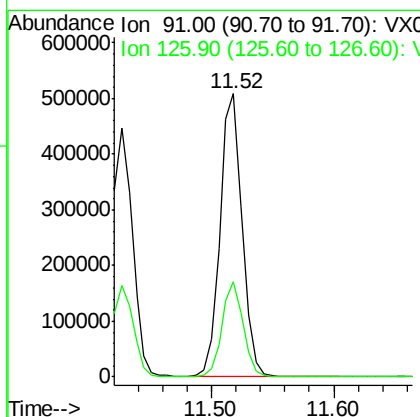
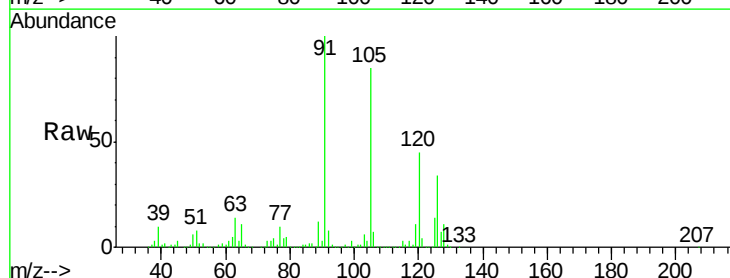
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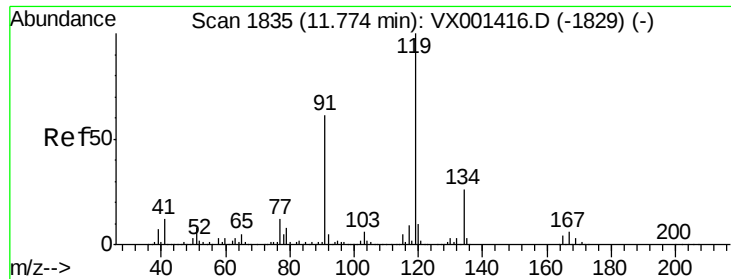
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#82
4-Chlorotoluene
Concen: 53.70 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5





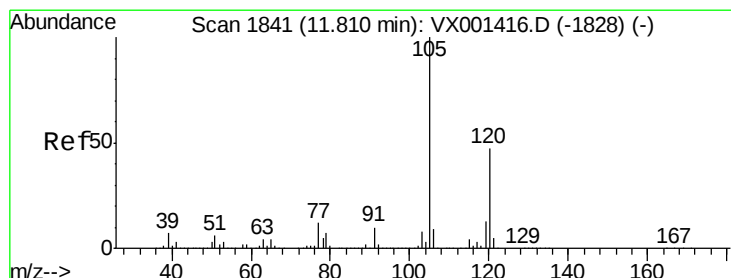
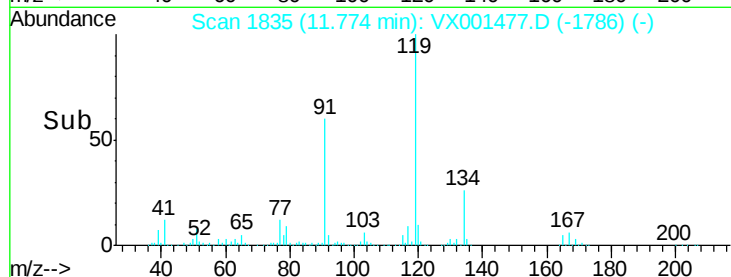
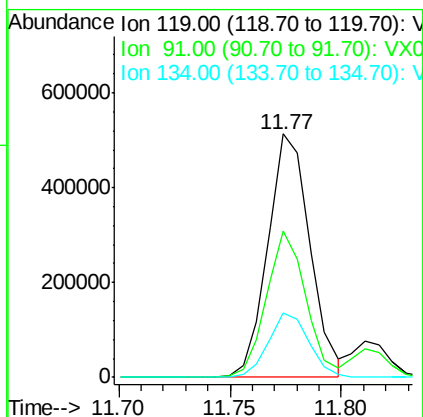
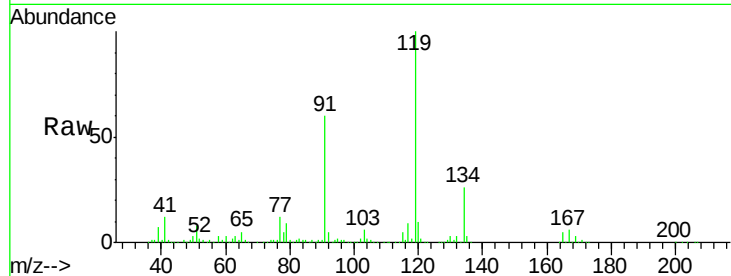
#83
 tert-Butylbenzene
 Concen: 52.98 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	27.8	83.3
134	25.5	12.4	37.0

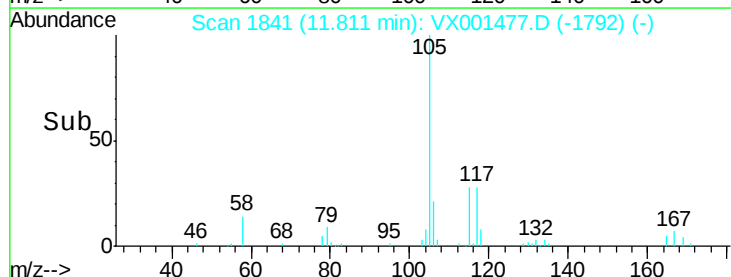
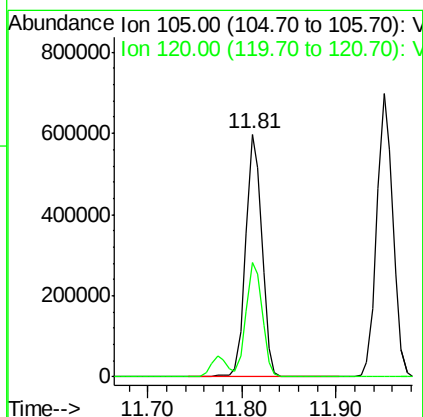
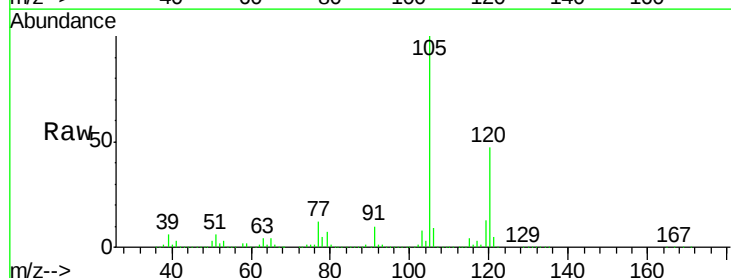
Manual Integrations
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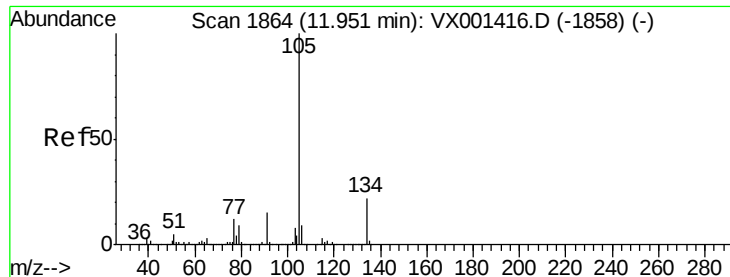
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.53 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.2





#85

sec-Butylbenzene

Concen: 54.37 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion:105 Resp: 829800

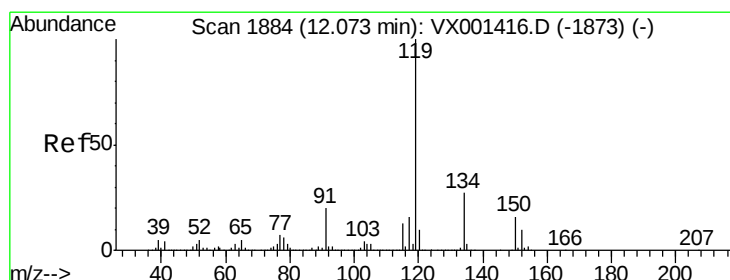
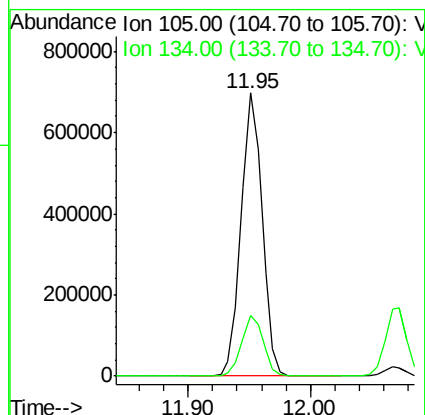
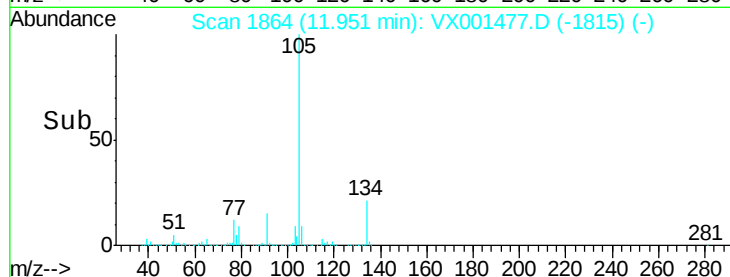
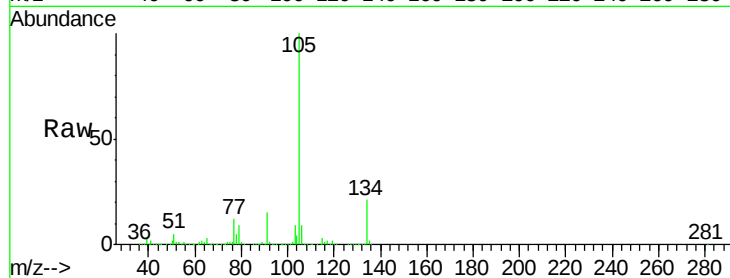
Ion Ratio Lower Upper

105 100

134 21.8 10.9 32.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 55.11 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

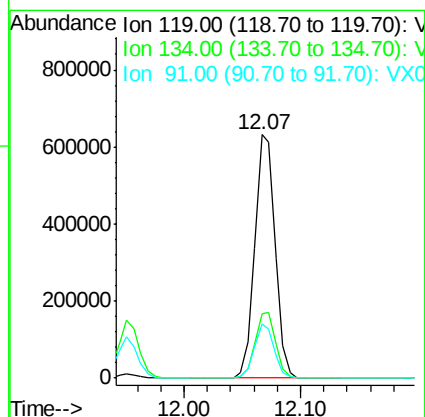
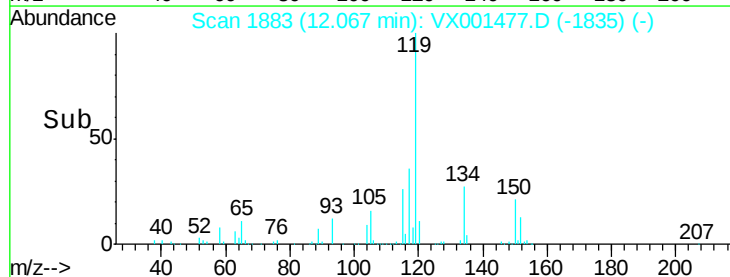
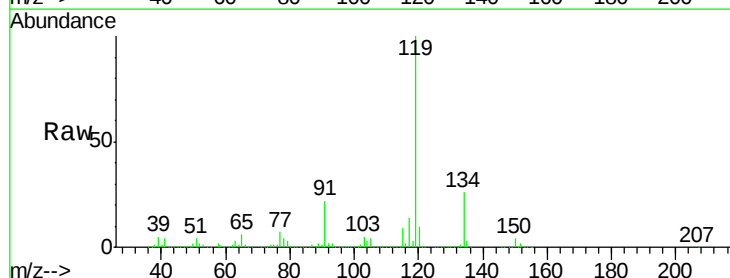
Tgt Ion:119 Resp: 771616

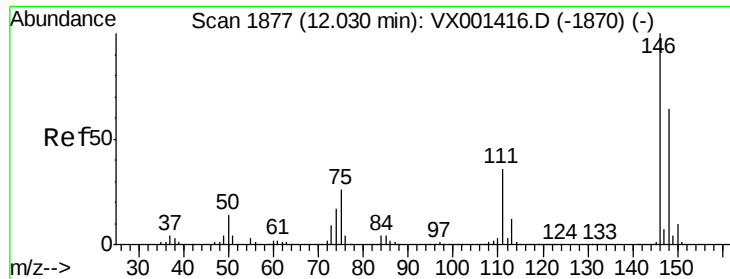
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 21.6 10.8 32.3





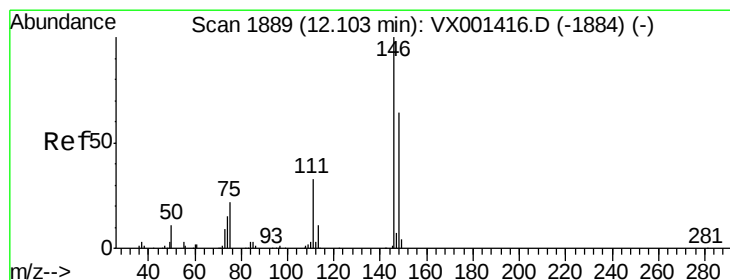
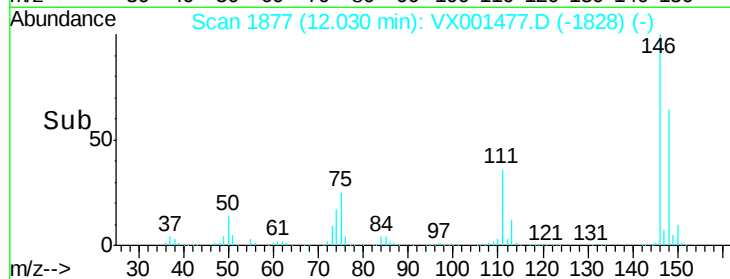
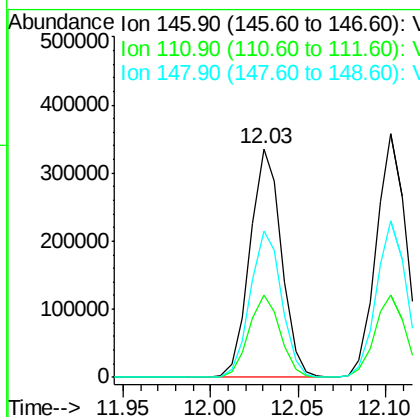
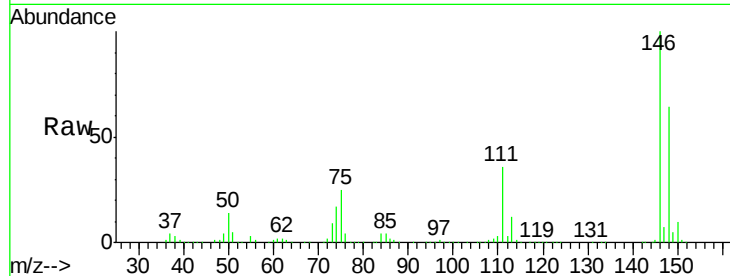
#87
 1,3-Dichlorobenzene
 Concen: 52.61 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	419685		
111	35.8	18.1	54.1	
148	64.2	32.1	96.5	

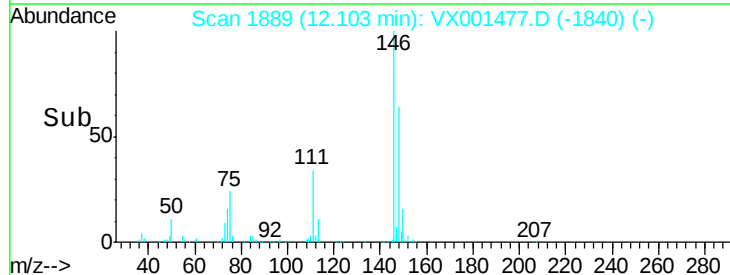
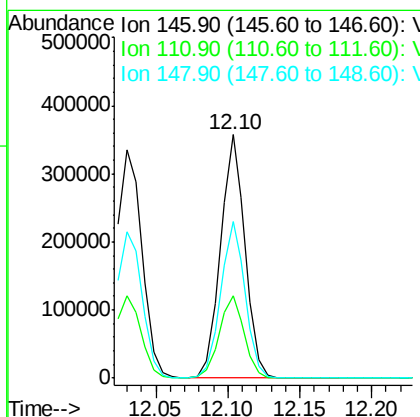
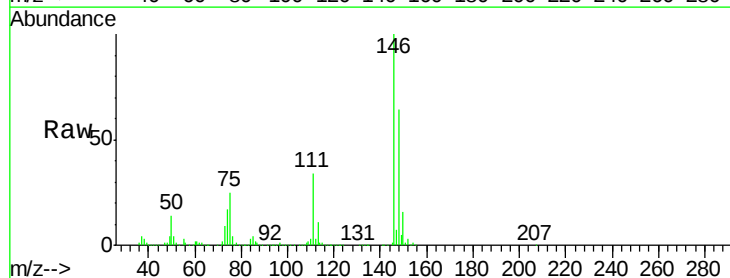
Manual Integrations
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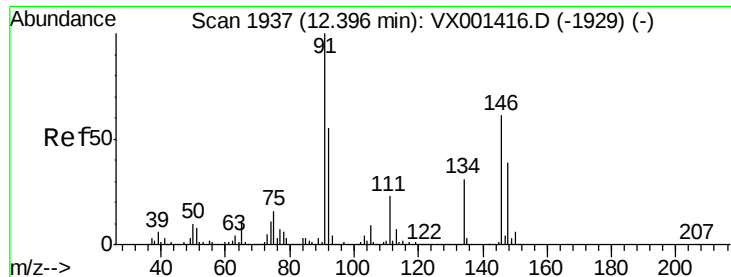
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#88
 1,4-Dichlorobenzene
 Concen: 52.31 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	425599		
111	34.6	17.4	52.3	
148	64.4	32.2	96.6	





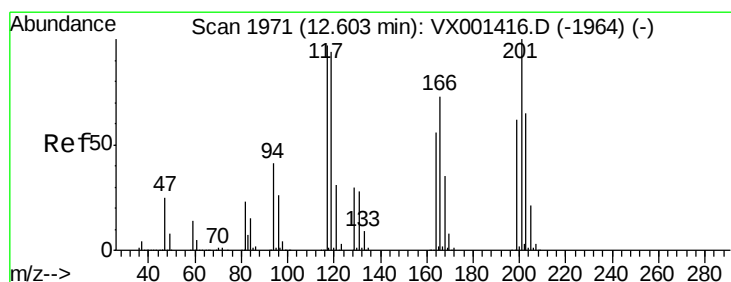
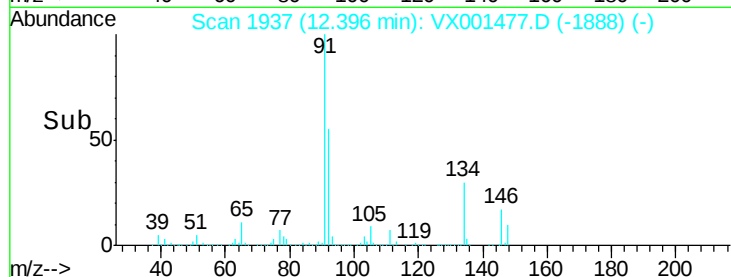
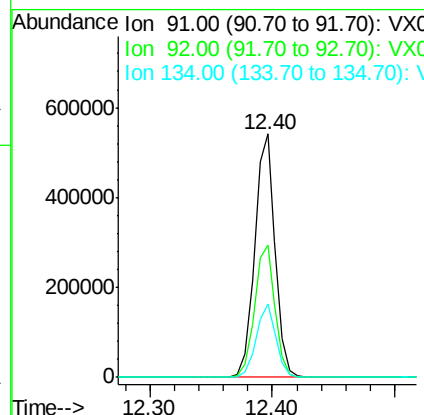
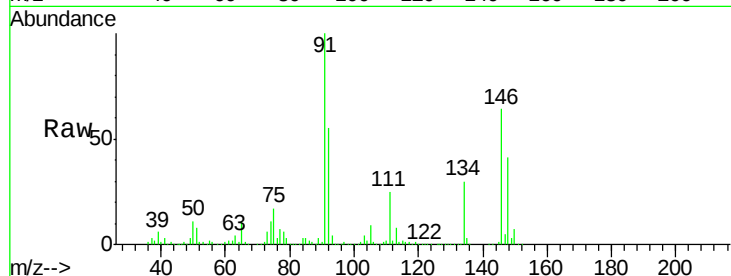
#89
n-Butylbenzene
Concen: 53.85 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	624733		
92	54.5		27.2	81.5
134	29.2		14.6	44.0

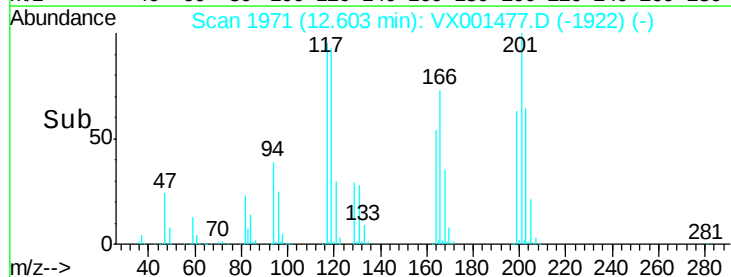
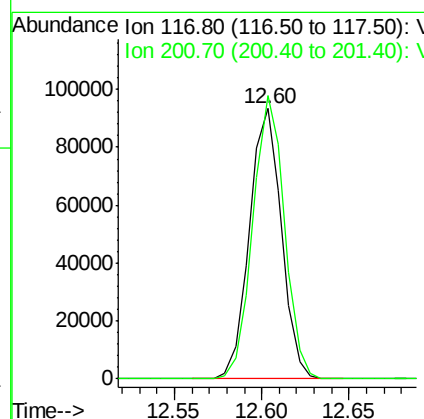
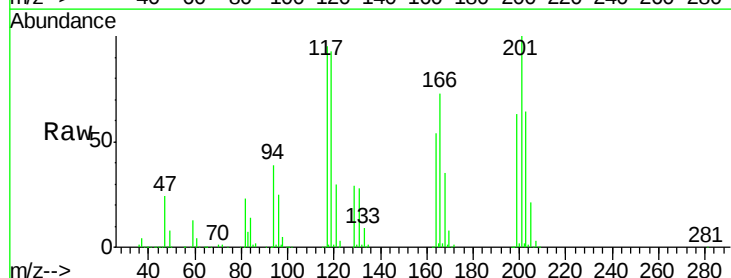
Manual Integrations
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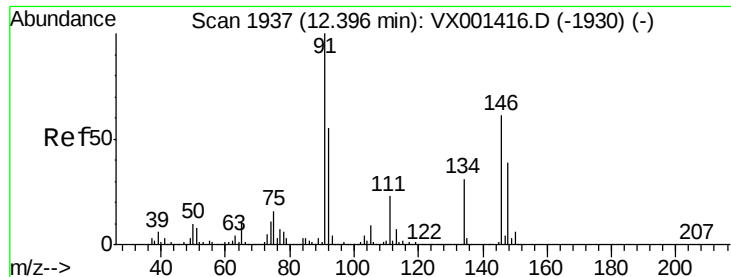
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5/9/2018 5:47:33 PM



#90
Hexachloroethane
Concen: 56.08 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001477.D
Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	118220		
201	103.6		51.5	154.5





#91

1,2-Dichlorobenzene

Concen: 52.54 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

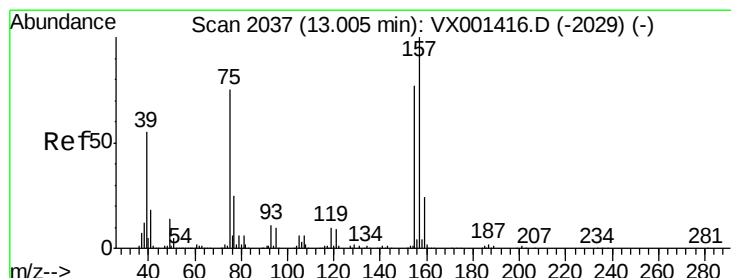
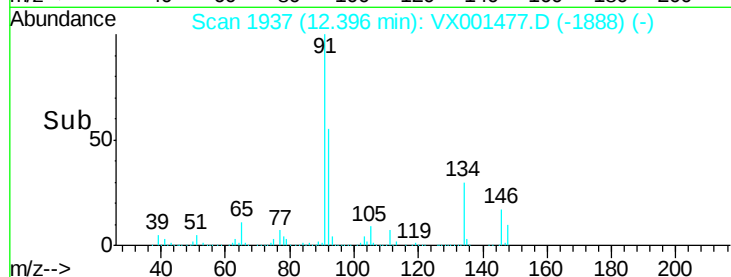
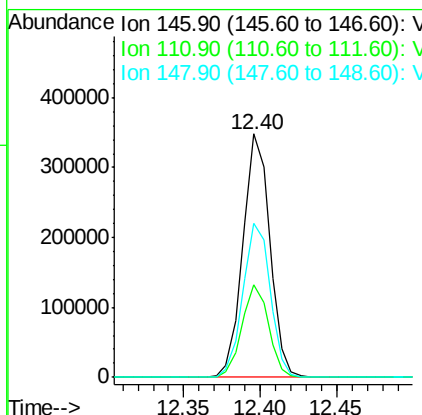
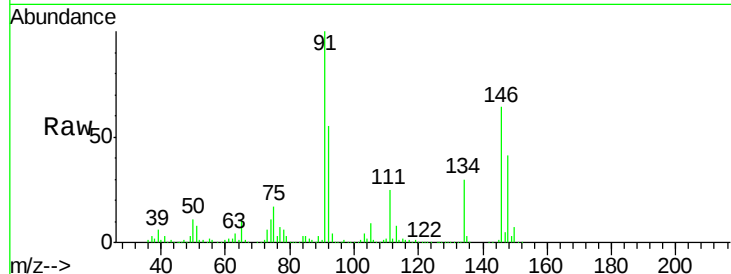
ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion:	146	Resp:	426415
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.6	55.8
148	64.2	32.1	96.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 57.76 ug/l

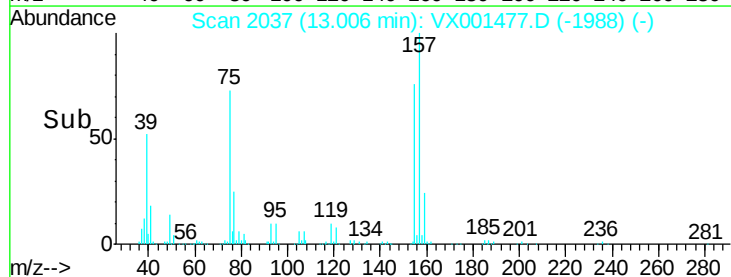
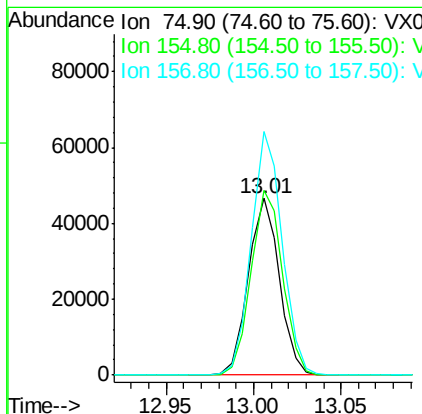
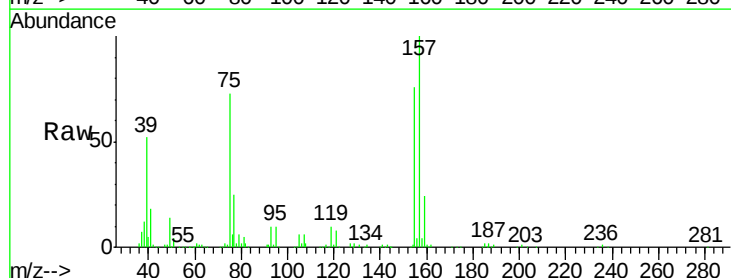
RT: 13.01 min Scan# 2037

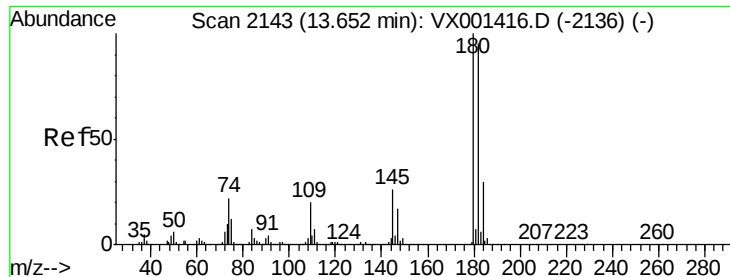
Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Tgt Ion:	75	Resp:	57531
Ion Ratio	Lower	Upper	
75	100		
155	106.5	53.4	160.2
157	137.3	68.3	204.8





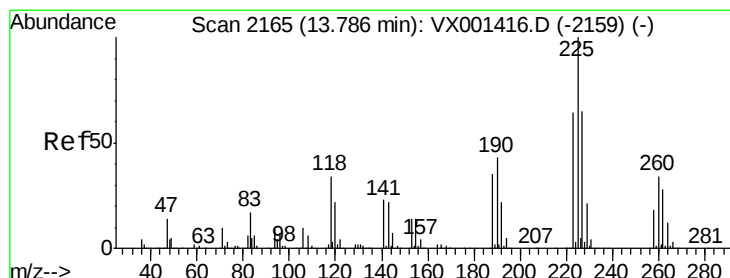
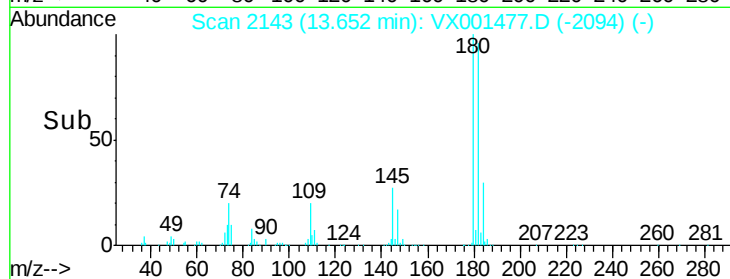
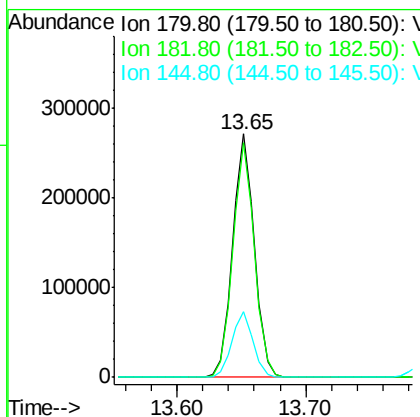
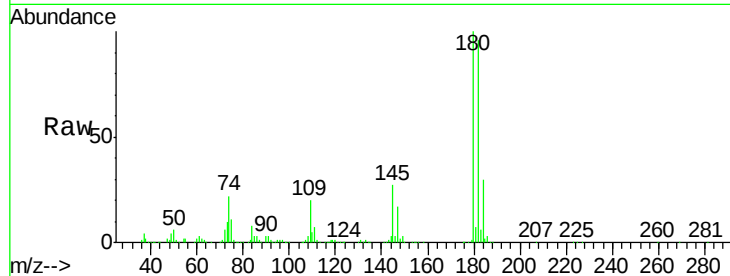
#93
 1,2,4-Trichlorobenzene
 Concen: 53.77 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30312-20180428MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	319313		
182	96.0	47.8	143.4	
145	26.7	13.3	39.9	

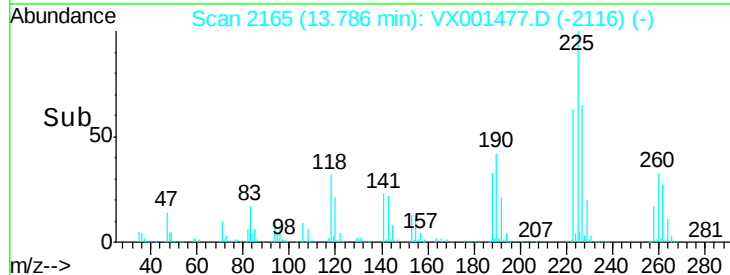
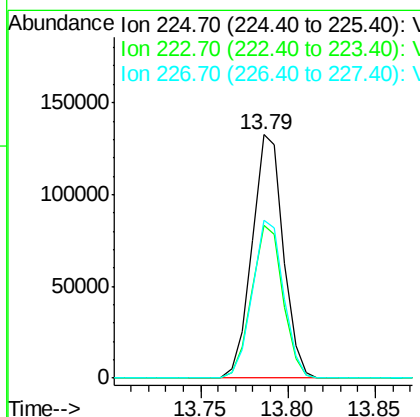
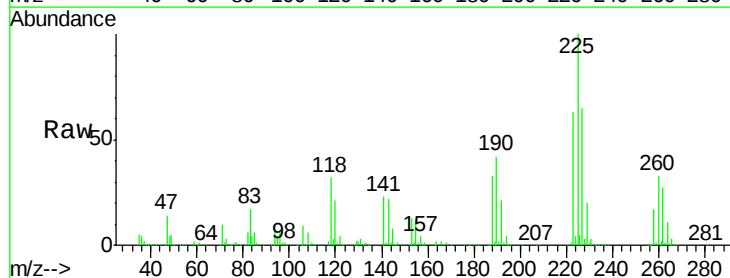
Manual Integrations
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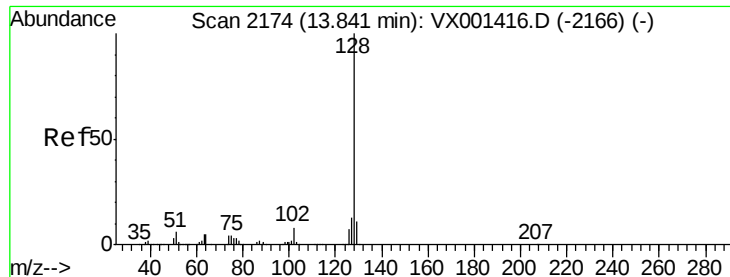
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 5/9/2018 5:47:33 PM



#94
 Hexachlorobutadiene
 Concen: 50.41 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001477.D
 Acq: 07 May 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163796		
223	62.9	31.3	93.9	
227	65.0	32.4	97.2	





#95

Naphthalene

Concen: 56.75 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Instrument :

MSVOA_X

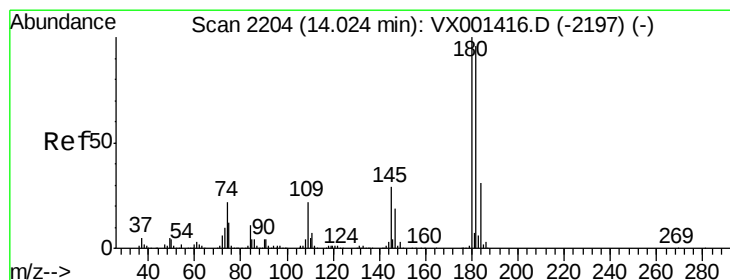
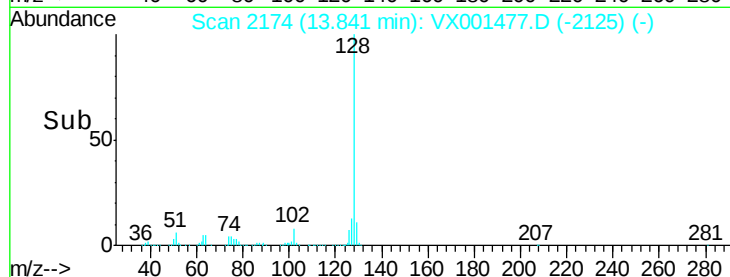
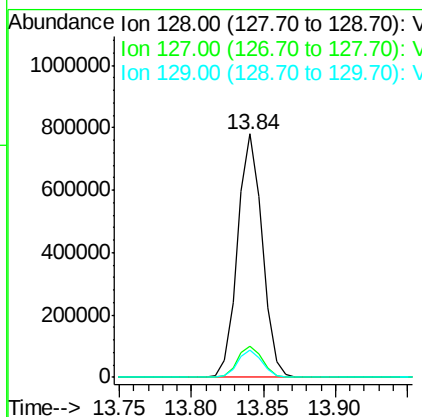
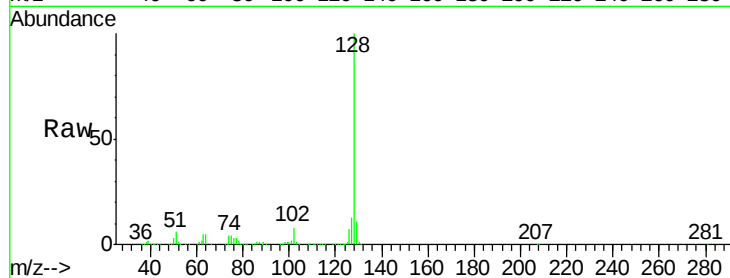
ClientSampleId :

BPS1-TT-MW303I2-20180428MSD

Tot Ion:	128	Resp:	932133
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 54.12 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001477.D

Acq: 07 May 2018 20:14

Tgt Ion:	180	Resp:	329794
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.2
145	28.3	14.1	42.4

