

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
 Data File : VX001784.D
 Acq On : 17 May 2018 12:26
 Operator : JC/MD
 Sample : VX0517WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 12:52:50 PM

Quant Time: May 18 04:25:46 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	346424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	430015	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	232351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	217242	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	5.51	113	192146	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	8.72	98	719673	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
62) 4-Bromofluorobenzene	11.14	95	230512	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67820	19.51	ug/l	98
3) Chloromethane	1.32	50	73883	19.67	ug/l	100
4) Vinyl Chloride	1.40	62	80068	19.72	ug/l	98
5) Bromomethane	1.64	94	41201	22.36	ug/l	94
6) Chloroethane	1.72	64	51530	20.15	ug/l	99
7) Trichlorofluoromethane	1.93	101	116346	19.72	ug/l	98
8) Diethyl Ether	2.19	74	47800	19.68	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	74079	20.86	ug/l	99
10) Methyl Iodide	2.51	142	77604	23.75	ug/l	98
11) Tert butyl alcohol	3.07	59	86594	105.04	ug/l	99
12) 1,1-Dichloroethene	2.37	96	65355	19.09	ug/l	99
13) Acrolein	2.29	56	44244	75.67	ug/l	99
14) Allyl chloride	2.73	41	125683	19.86	ug/l	98
15) Acrylonitrile	3.15	53	204740	98.88	ug/l	99
16) Acetone	2.45	43	197624	108.36	ug/l	99
17) Carbon Disulfide	2.57	76	153384	17.17	ug/l	99
18) Methyl Acetate	2.78	43	112392	21.08	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	226150	19.60	ug/l	100
20) Methylene Chloride	2.86	84	75409	19.32	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	71219	18.88	ug/l	98
22) Diisopropyl ether	3.87	45	234061	19.28	ug/l	98
23) Vinyl Acetate	3.82	43	796359	91.04	ug/l	100
24) 1,1-Dichloroethane	3.70	63	133829	20.10	ug/l	99
25) 2-Butanone	4.71	43	290136	103.91	ug/l	99
26) 2,2-Dichloropropane	4.59	77	107009	19.96	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	83652	19.49	ug/l	100
28) Bromochloromethane	5.02	49	60785	20.55	ug/l	100
29) Tetrahydrofuran	5.17	42	179780	98.78	ug/l	99
30) Chloroform	5.22	83	138802	19.85	ug/l	100
31) Cyclohexane	5.57	56	119285	20.44	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	119444	19.76	ug/l	99
36) 1,1-Dichloropropene	5.80	75	101176	20.44	ug/l	99
37) Ethyl Acetate	4.86	43	106539	20.65	ug/l	99
38) Carbon Tetrachloride	5.79	117	108769	20.97	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	127119	21.98	ug/l	98
40) Benzene	6.15	78	308076	21.12	ug/l	100
41) Methacrylonitrile	5.06	41	62135	20.83	ug/l	99
42) 1,2-Dichloroethane	6.20	62	107795	20.44	ug/l	99
43) Isopropyl Acetate	6.47	43	160912	19.93	ug/l	99
44) Trichloroethene	7.21	130	95329	21.06	ug/l	99
45) 1,2-Dichloropropane	7.52	63	75397	21.07	ug/l	98
46) Dibromomethane	7.67	93	51227	20.38	ug/l	98
47) Bromodichloromethane	7.90	83	96923	20.78	ug/l	97
48) Methyl methacrylate	7.78	41	86640	20.39	ug/l	98
49) 1,4-Dioxane	7.76	88	39619	484.17	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	557675	108.99	ug/l	99
52) Toluene	8.79	92	203646	21.73	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	115856	21.12	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	99761	20.63	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	79955	22.32	ug/l	99
56) Ethyl methacrylate	9.19	69	109714	21.60	ug/l	100
57) 1,3-Dichloropropane	9.38	76	118300	19.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	256158	98.02	ug/l	99
59) 2-Hexanone	9.50	43	378283	103.28	ug/l	100
60) Dibromochloromethane	9.59	129	74066	20.19	ug/l	99
61) 1,2-Dibromoethane	9.68	107	74268	19.80	ug/l	99
64) Tetrachloroethene	9.34	164	101703	21.85	ug/l	98
65) Chlorobenzene	10.14	112	204007	20.74	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	75191	21.65	ug/l	99
67) Ethyl Benzene	10.26	91	333888	21.24	ug/l	100
68) m/p-Xylenes	10.37	106	270545	43.63	ug/l	100
69) o-Xylene	10.70	106	128394	21.62	ug/l	100
70) Styrene	10.72	104	212601	21.71	ug/l	100
71) Bromoform	10.86	173	58185	19.87	ug/l	99
73) Isopropylbenzene	11.02	105	350742	22.92	ug/l	100
74) N-amyl acetate	6.47	43	160912	21.93	ug/l #	99
75) 1,1,1,2-Tetrachloroethane	11.27	83	97594	21.26	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	96412m	21.82	ug/l	
77) Bromobenzene	11.26	156	98262	21.85	ug/l	99
78) n-propylbenzene	11.37	91	390193	22.63	ug/l	100
79) 2-Chlorotoluene	11.43	91	232286	22.53	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	292061	23.27	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	26148	19.78	ug/l	96
82) 4-Chlorotoluene	11.52	91	270004	22.23	ug/l	99
83) tert-Butylbenzene	11.77	119	286028	22.90	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	300761	23.14	ug/l	100
85) sec-Butylbenzene	11.95	105	353988	22.96	ug/l	100
86) p-Isopropyltoluene	12.07	119	327758	22.97	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	177741	21.38	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	179885	20.92	ug/l	99
89) n-Butylbenzene	12.40	91	260783	21.13	ug/l	100
90) Hexachloroethane	12.60	117	49164	22.19	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	179092	21.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20678	21.11	ug/l	99

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Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

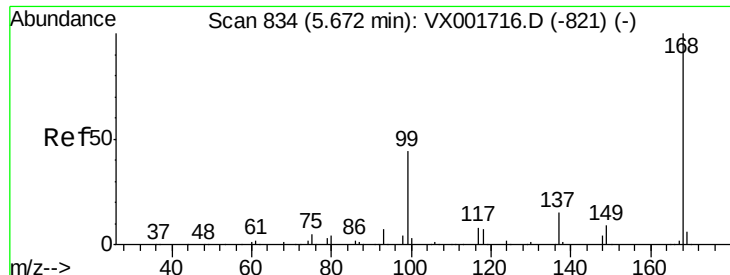
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	135685	20.55	ug/l	100
94) Hexachlorobutadiene	13.79	225	76664	21.62	ug/l	99
95) Naphthalene	13.84	128	365352	21.28	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	138244	20.79	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampled :

VX0517WBS01

Tot Ion:168 Resp: 346424

Ion Ratio Lower Upper

168 100

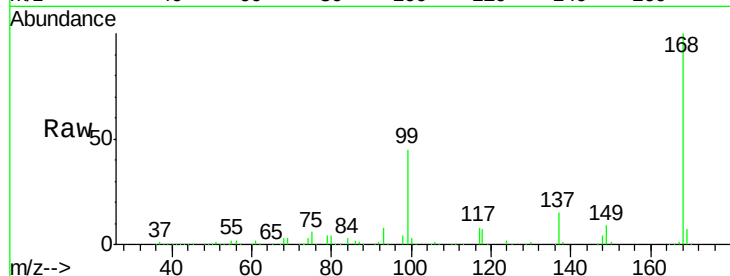
99 44.9 35.0 52.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

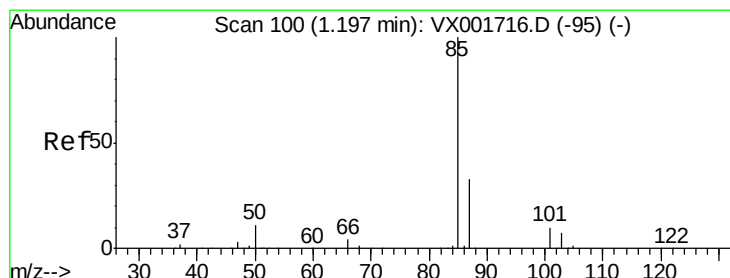
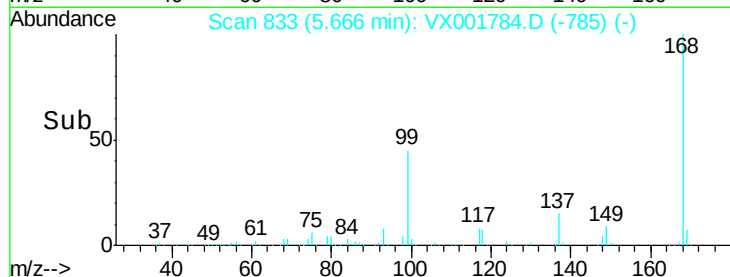
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.51 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001784.D

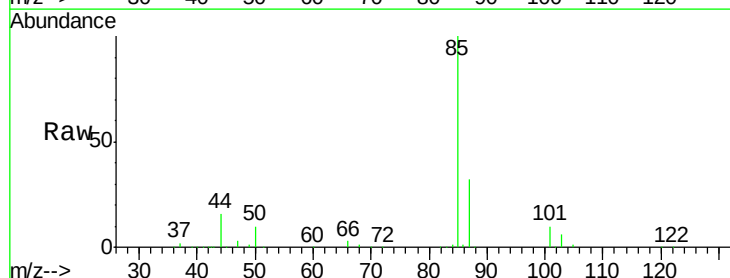
Acq: 17 May 2018 12:26

Tgt Ion: 85 Resp: 67820

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

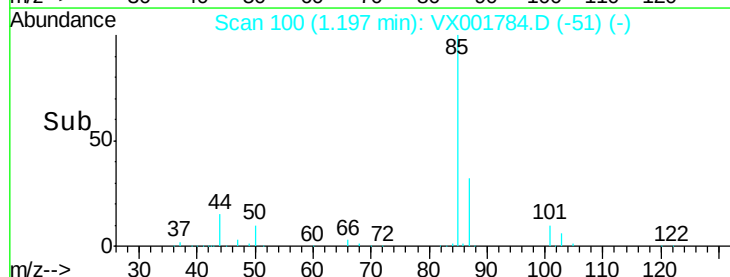
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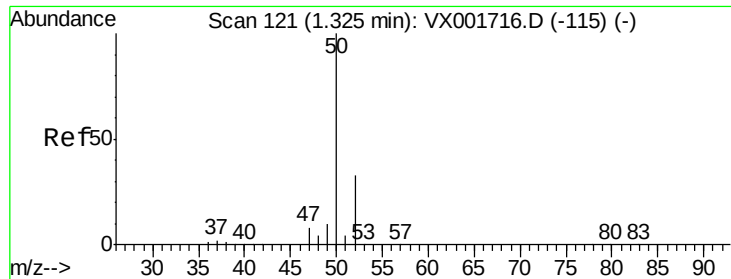
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.67 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

Tot Ion: 50 Resp: 73883

Ion Ratio Lower Upper

50 100

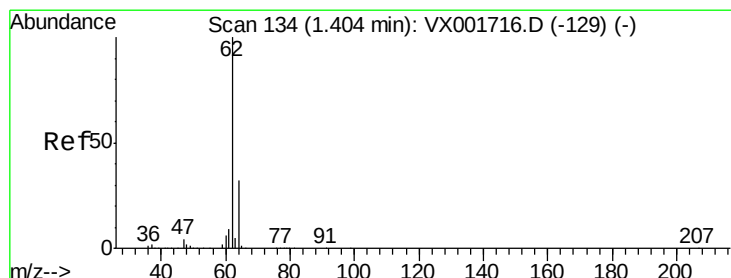
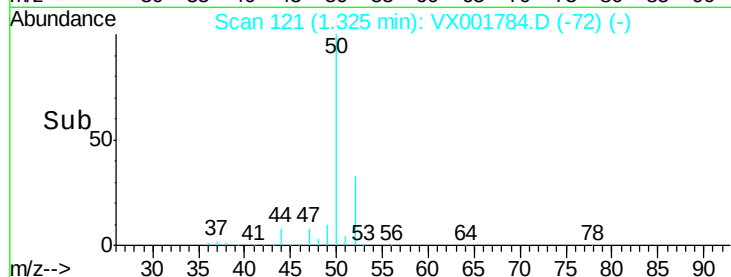
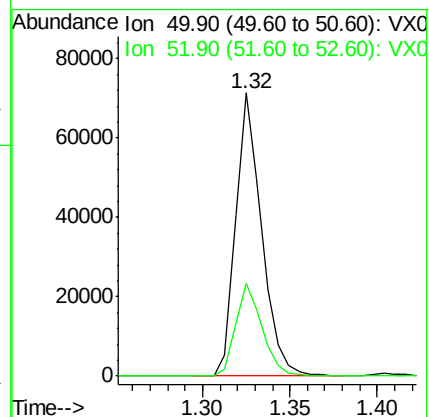
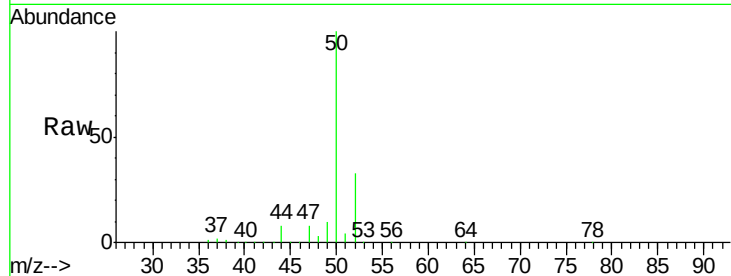
52 32.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.72 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001784.D

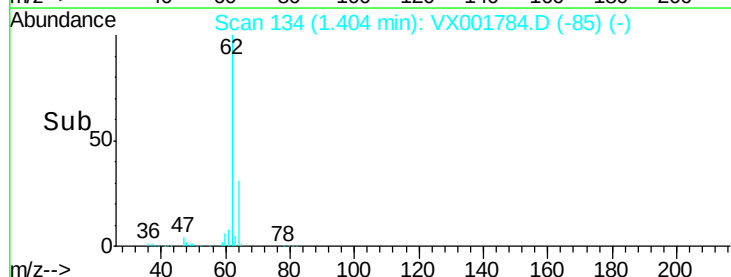
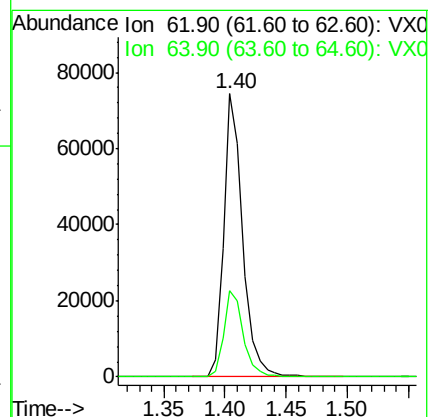
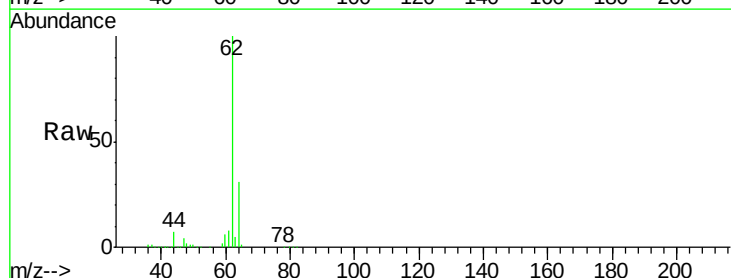
Acq: 17 May 2018 12:26

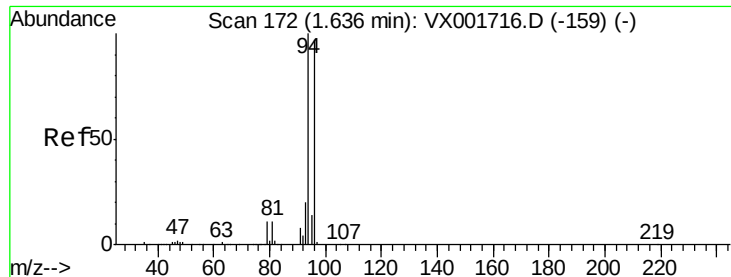
Tgt Ion: 62 Resp: 80068

Ion Ratio Lower Upper

62 100

64 30.6 25.6 38.4





#5

Bromomethane

Concen: 22.36 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

Tot Ion: 94 Resp: 41201

Ion Ratio Lower Upper

94 100

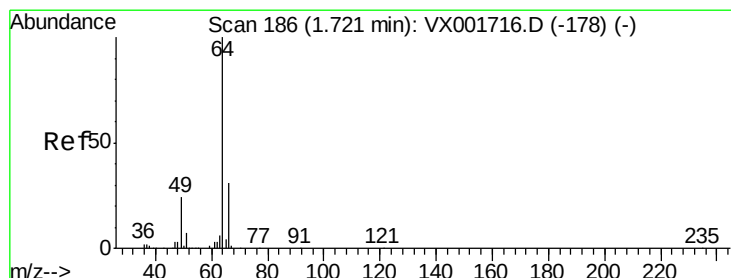
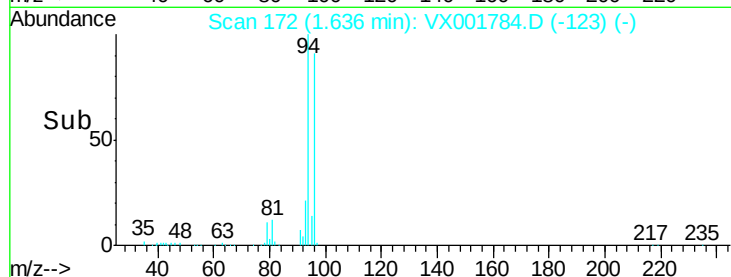
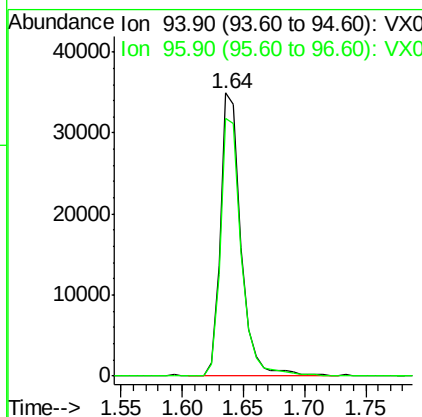
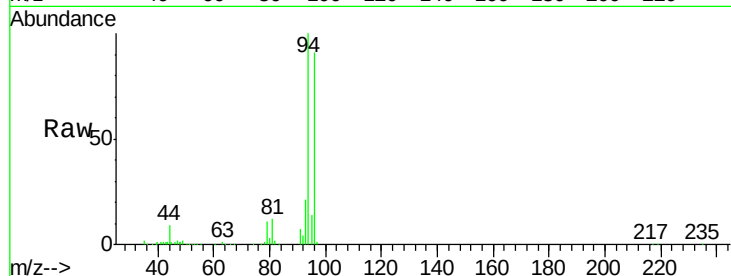
96 91.0 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 20.15 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001784.D

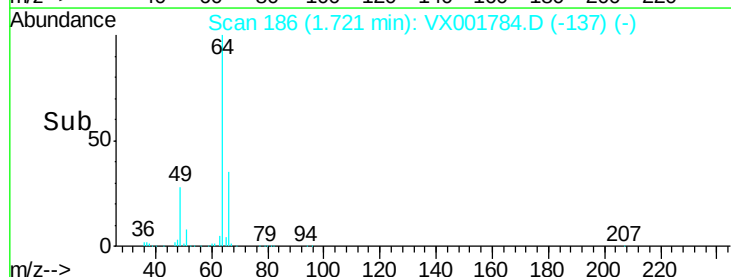
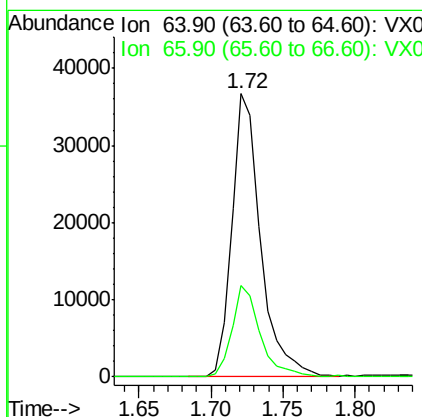
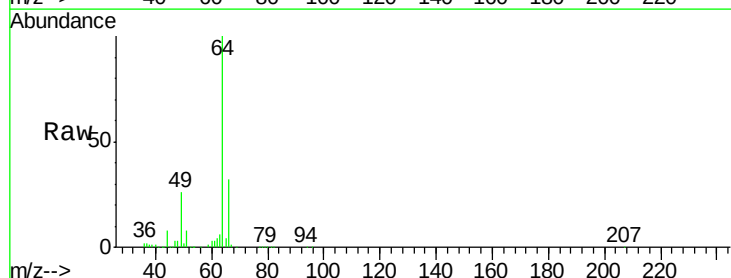
Acq: 17 May 2018 12:26

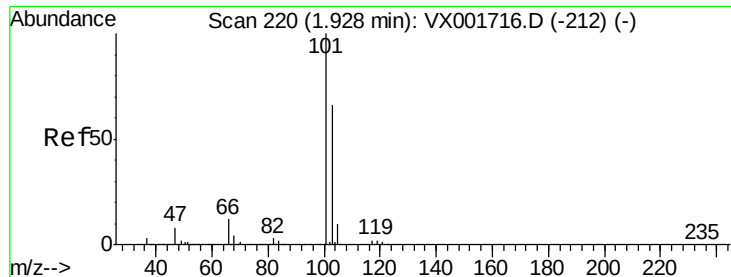
Tgt Ion: 64 Resp: 51530

Ion Ratio Lower Upper

64 100

66 32.3 25.2 37.8





#7

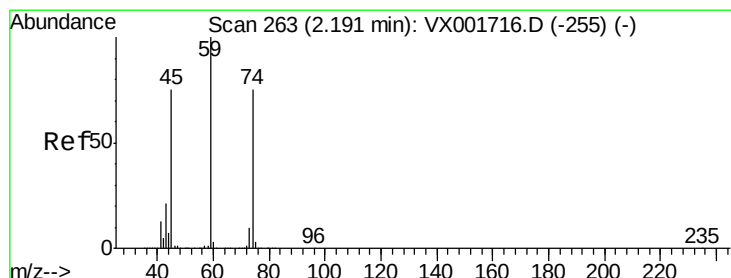
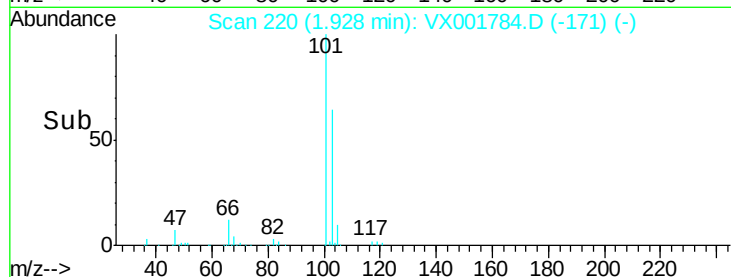
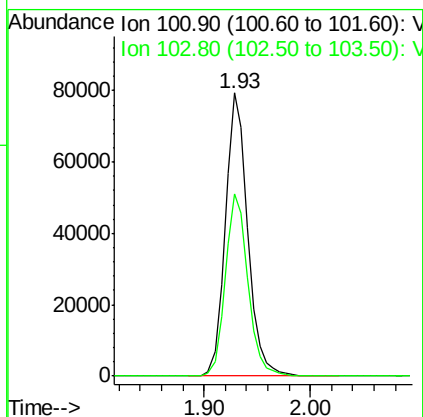
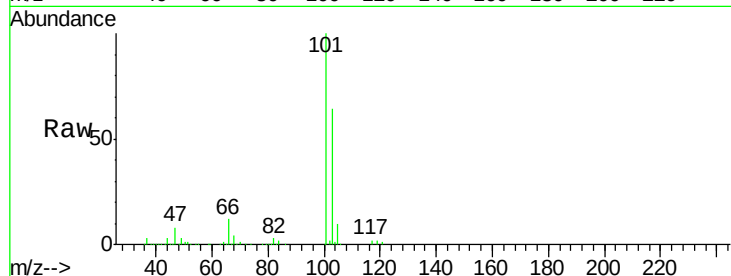
Trichlorofluoromethane
 Concen: 19.72 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

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 ClientSampleId :
 VX0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	116346		
103	64.2	52.6	78.8	

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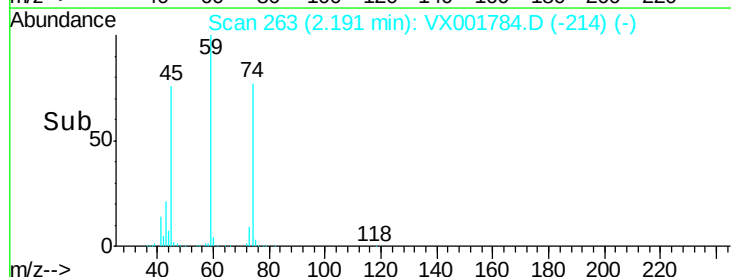
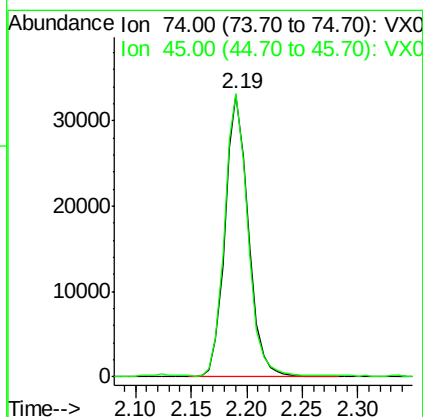
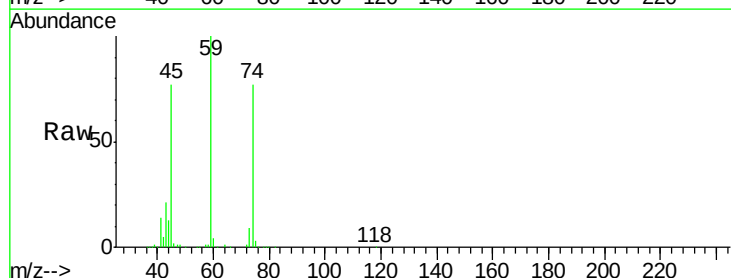
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 5/21/2018 12:52:50 PM

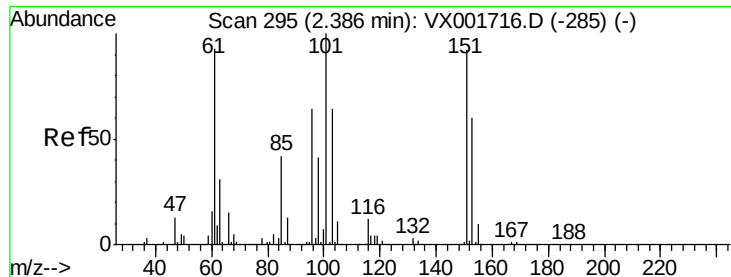


#8

Diethyl Ether
 Concen: 19.68 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	47800		
45	99.9	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.86 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

Tot Ion:101 Resp: 74079

Ion Ratio Lower Upper

101 100

85 41.5 33.7 50.5

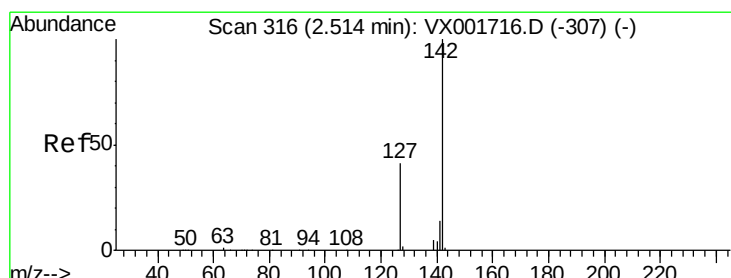
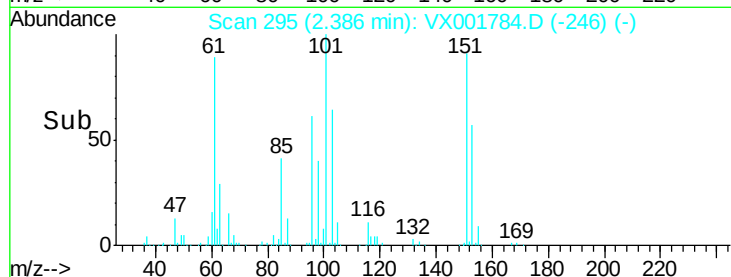
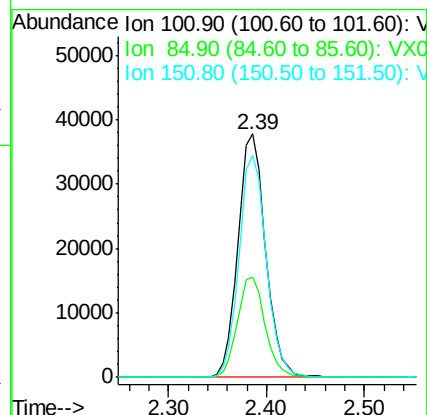
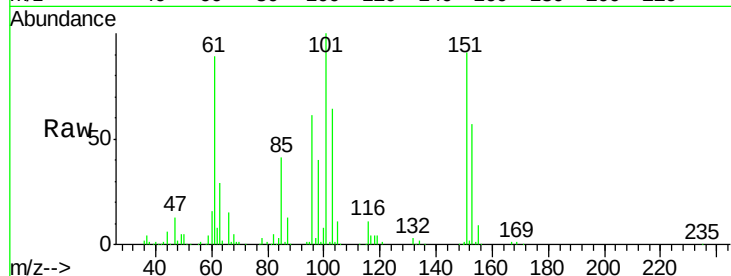
151 90.8 73.0 109.6

Manual Integrations

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#10

Methyl Iodide

Concen: 23.75 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

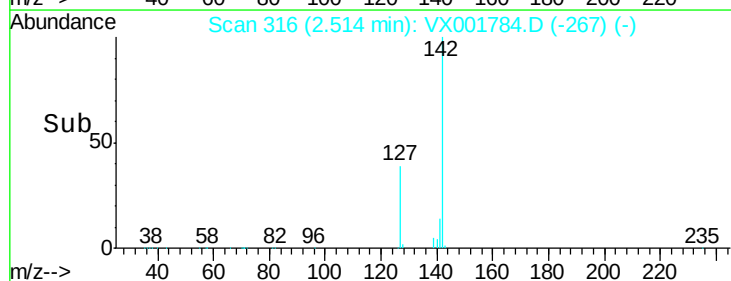
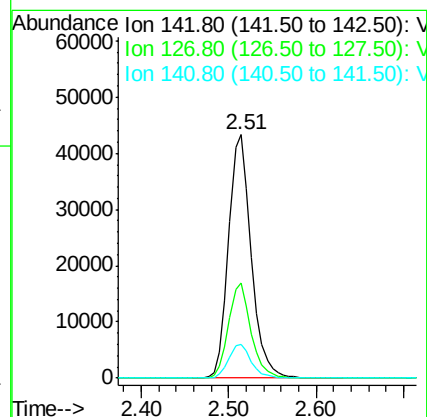
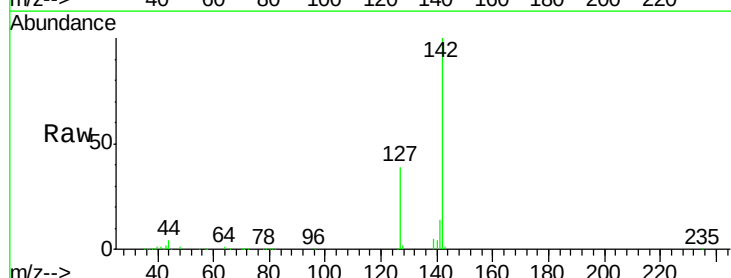
Tgt Ion:142 Resp: 77604

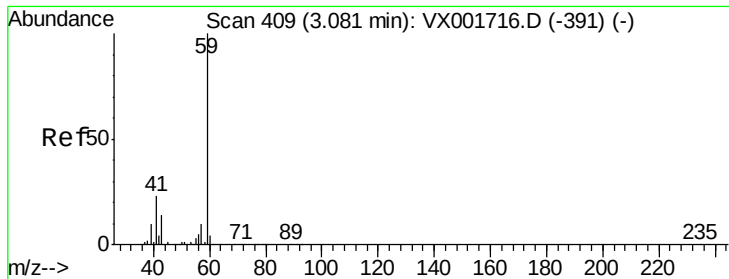
Ion Ratio Lower Upper

142 100

127 38.9 32.5 48.7

141 13.9 11.4 17.0





#11

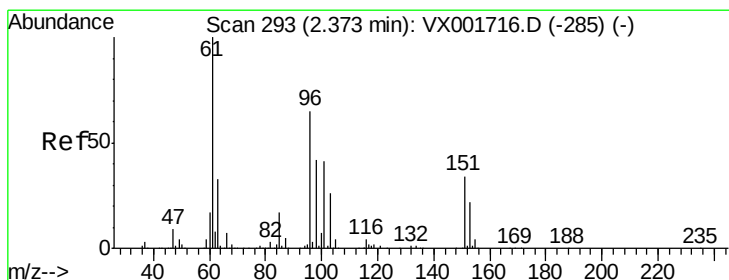
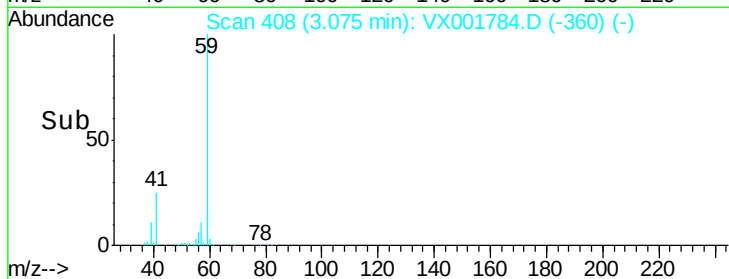
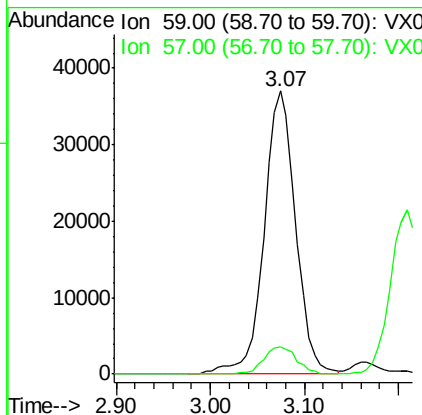
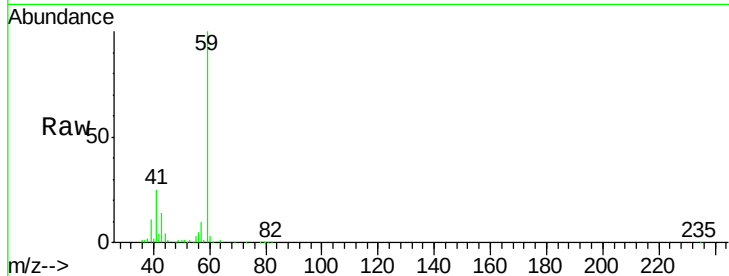
Tert butyl alcohol
 Concen: 105.04 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

Manual Integrations
 APPROVED

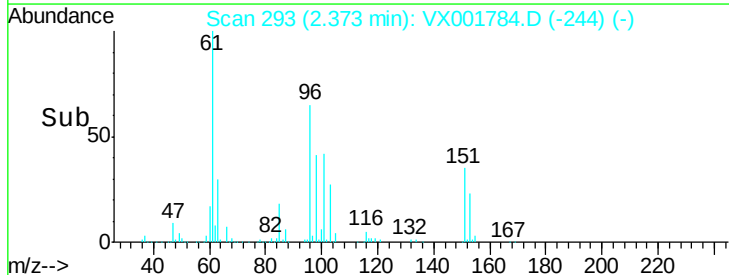
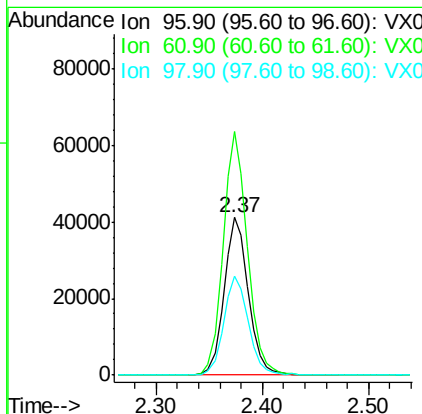
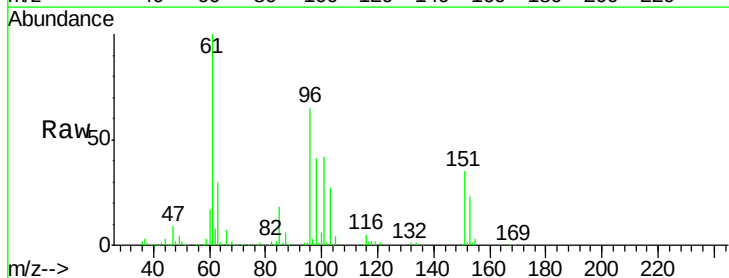
MMDadoda
 5/21/2018 12:52:50 PM

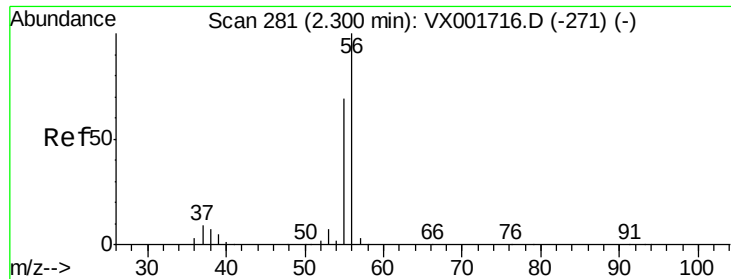


#12

1,1-Dichloroethene
 Concen: 19.09 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	122.2	183.2
98	63.0	51.4	77.0





#13

Acrolein

Concen: 75.67 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

Tot Ion: 56 Resp: 44244

Ion Ratio Lower Upper

56 100

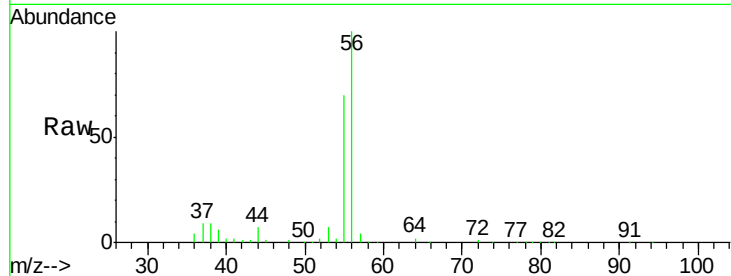
55 69.2 56.2 84.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

30000

25000

20000

15000

10000

5000

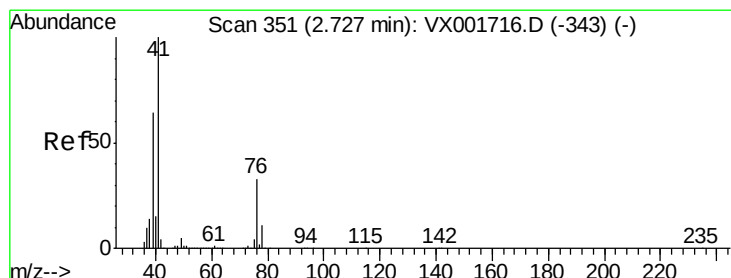
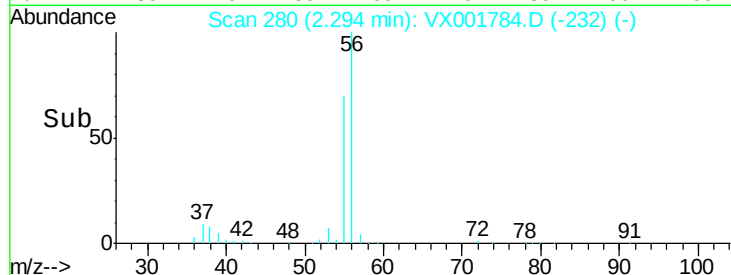
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 19.86 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

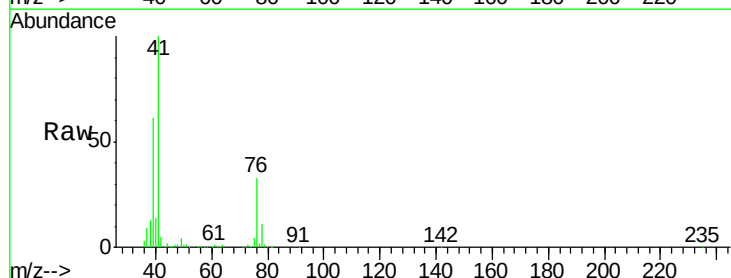
Tgt Ion: 41 Resp: 125683

Ion Ratio Lower Upper

41 100

39 59.8 49.8 74.6

76 31.6 25.8 38.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

60000

40000

20000

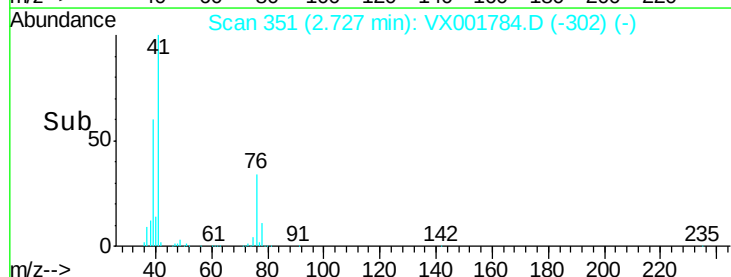
0

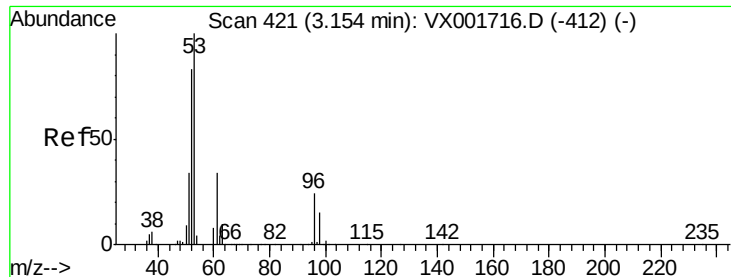
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 98.88 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

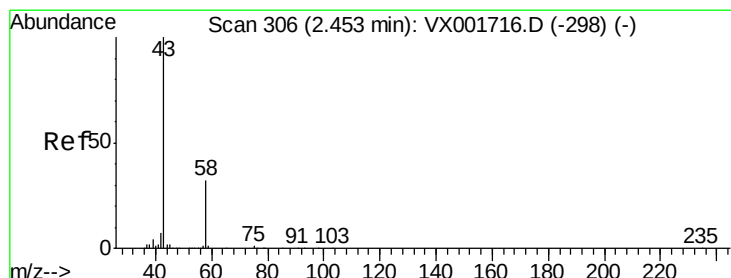
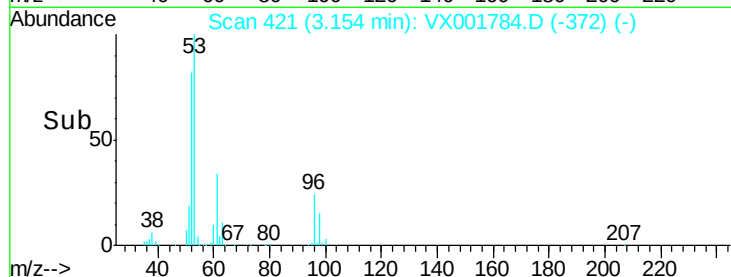
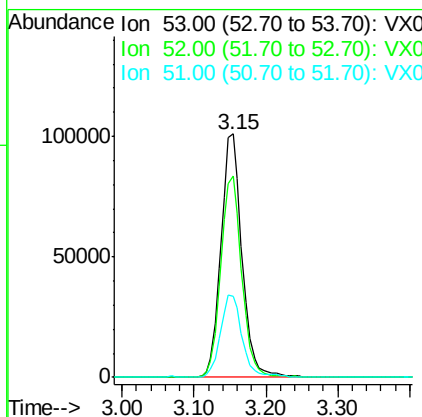
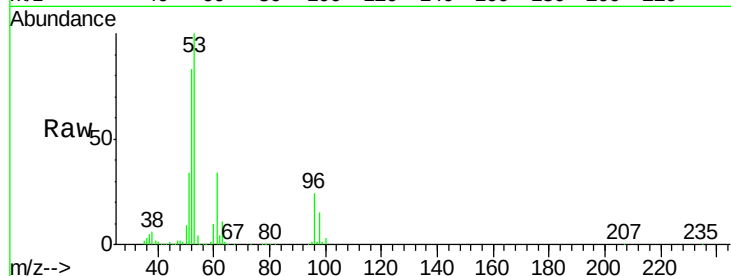
ClientSampled :

VX0517WBS01

Tot Ion:	53	Resp:	204740
Ion Ratio		Lower	Upper
53	100		
52	83.0	65.6	98.4
51	34.5	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 108.36 ug/l

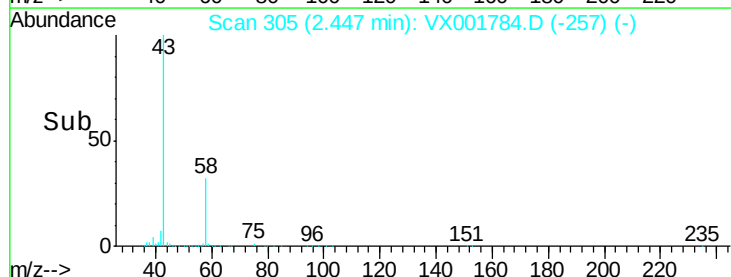
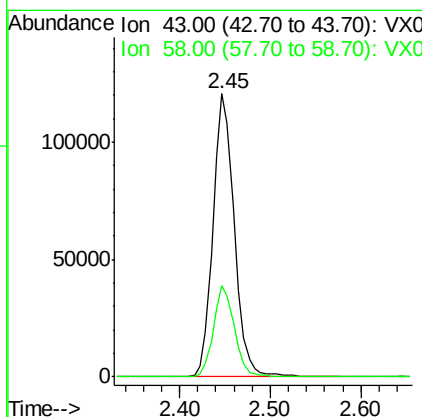
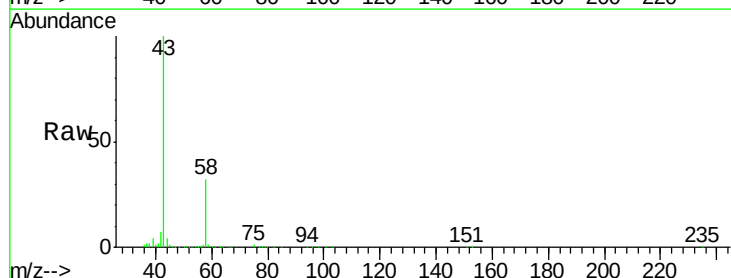
RT: 2.45 min Scan# 305

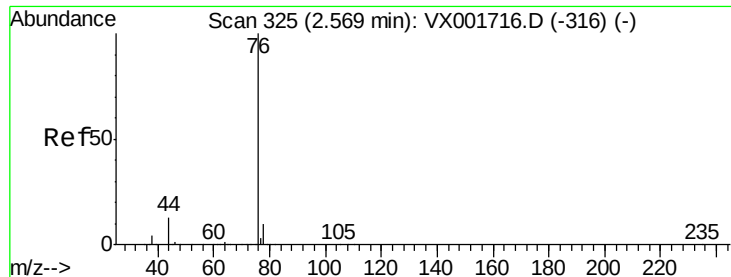
Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Tgt Ion:	43	Resp:	197624
Ion Ratio		Lower	Upper
43	100		
58	32.1	25.3	37.9





#17

Carbon Disulfide

Concen: 17.17 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampled :

VX0517WBS01

Tot Ion: 76 Resp: 153384

Ion Ratio Lower Upper

76 100

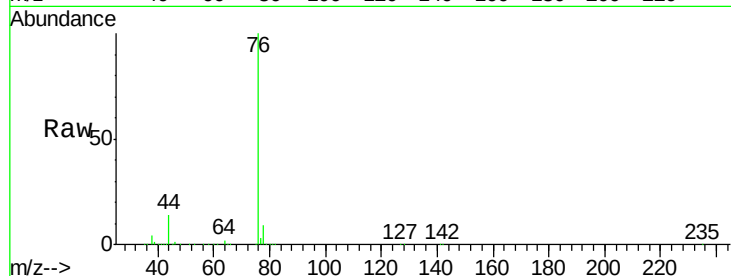
78 9.2 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

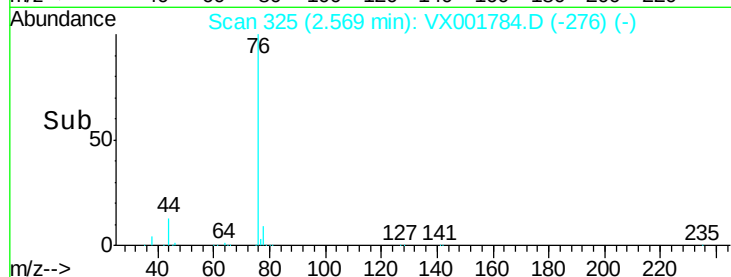
60000

40000

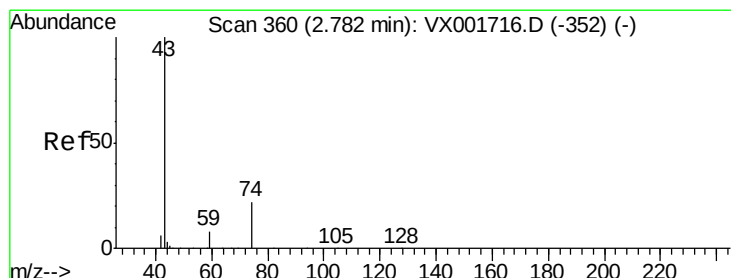
20000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 21.08 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001784.D

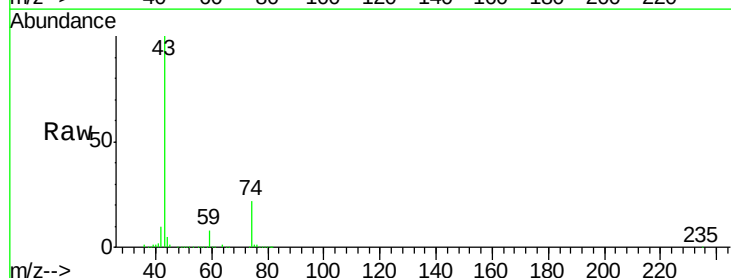
Acq: 17 May 2018 12:26

Tgt Ion: 43 Resp: 112392

Ion Ratio Lower Upper

43 100

74 23.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

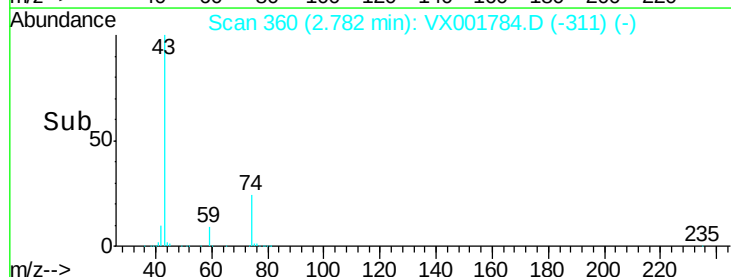
60000

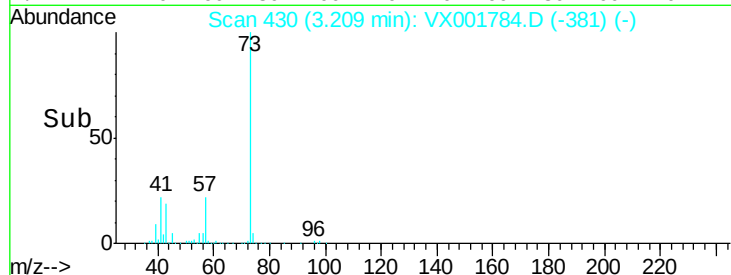
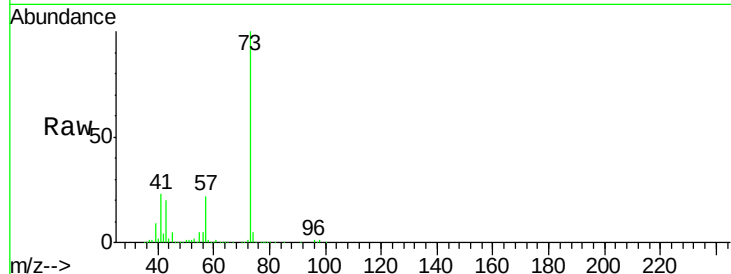
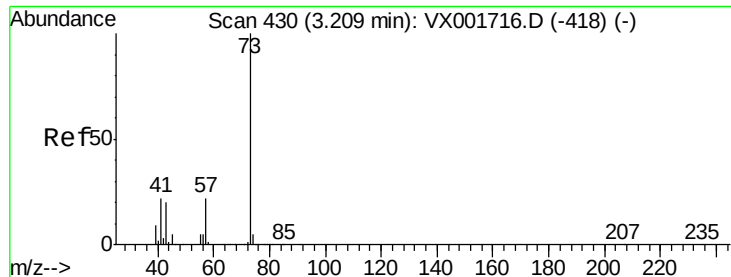
40000

20000

0

Time-->





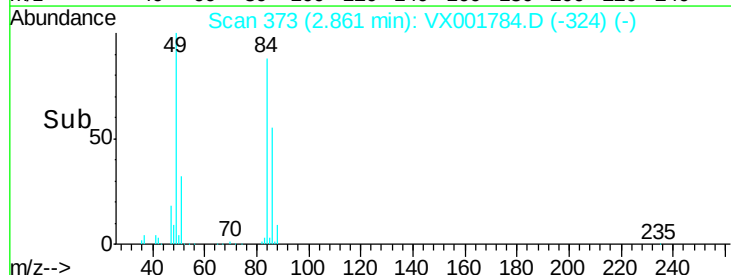
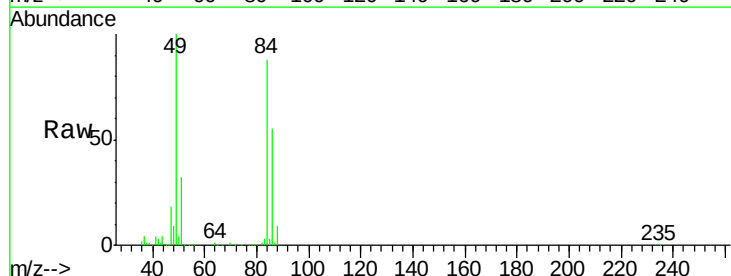
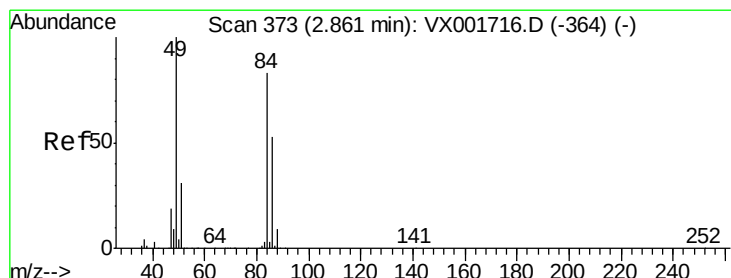
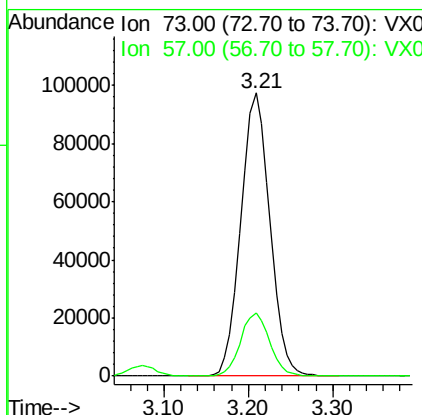
#19
Methyl tert-butyl Ether
Concen: 19.60 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.5	26.3

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

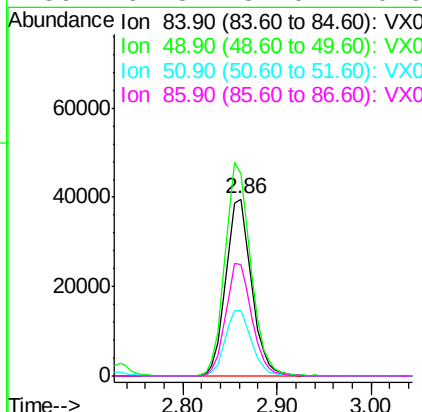
Manual Integrations
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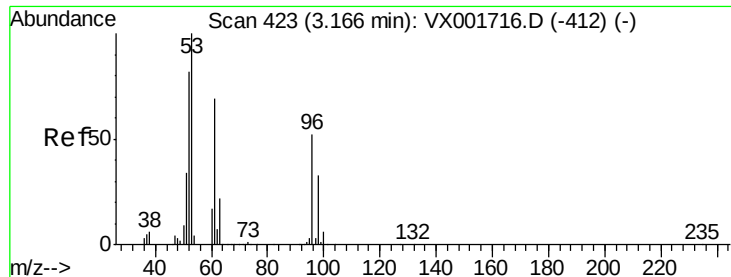
MMDadoda
5/21/2018 12:52:50 PM



#20
Methylene Chloride
Concen: 19.32 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.9	96.3	144.5
51	36.8	29.8	44.6
86	62.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.88 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

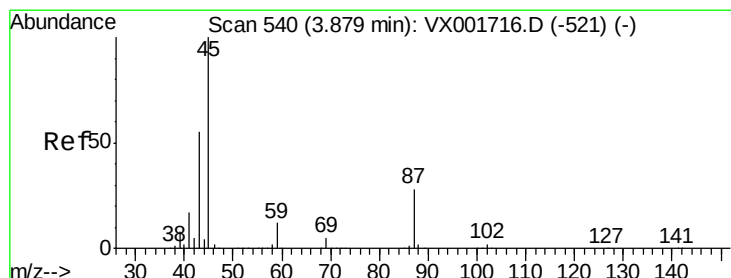
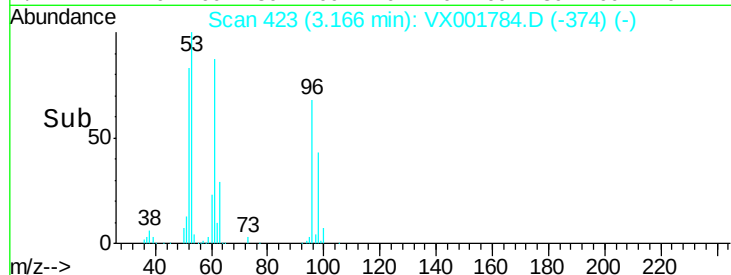
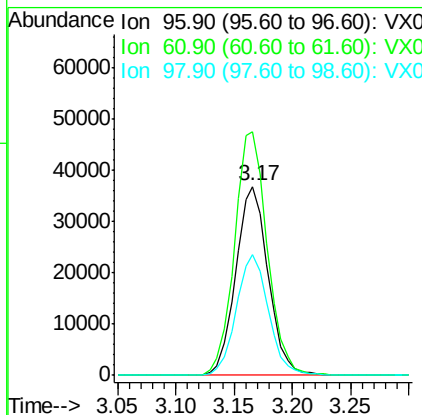
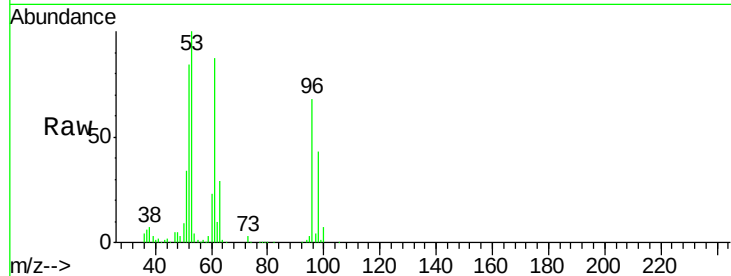
ClientSampleId :

VX0517WBS01

Tot Ion:	96	Resp:	71219
Ion	Ratio	Lower	Upper
96	100		
61	129.0	105.8	158.8
98	64.2	50.2	75.4

Manual Integrations
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MMDadoda
5/21/2018 12:52:50 PM



#22

Diisopropyl ether

Concen: 19.28 ug/l

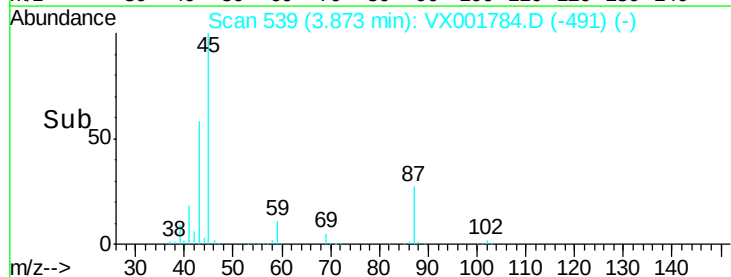
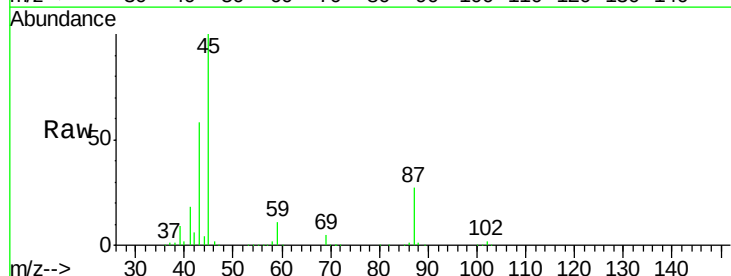
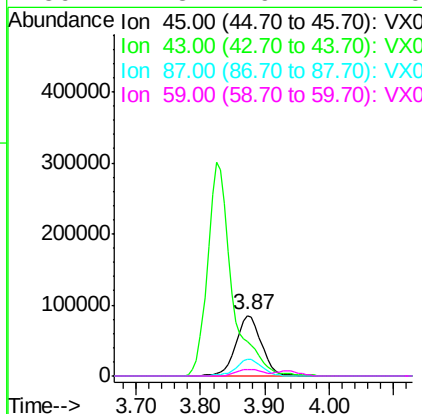
RT: 3.87 min Scan# 539

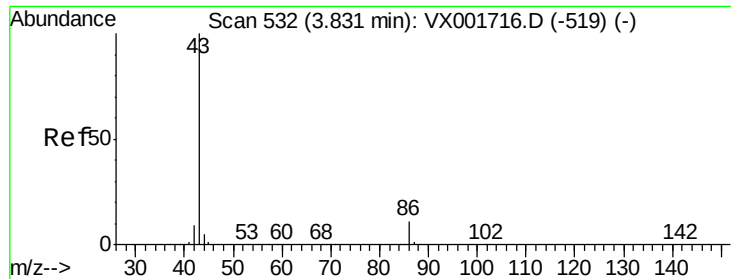
Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Tgt Ion:	45	Resp:	234061
Ion	Ratio	Lower	Upper
45	100		
43	57.6	44.3	66.5
87	27.4	22.6	33.8
59	11.3	9.4	14.0





#23

Vinyl Acetate

Concen: 91.04 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

Tot Ion: 43 Resp: 796359

Ion Ratio Lower Upper

43 100

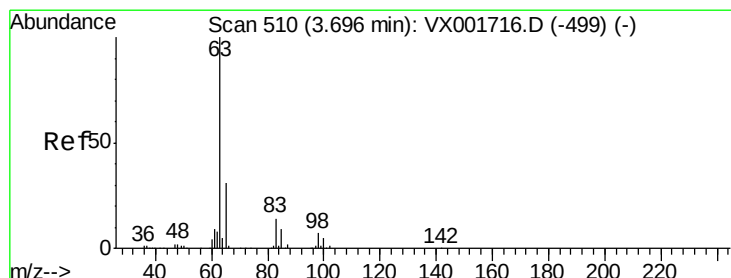
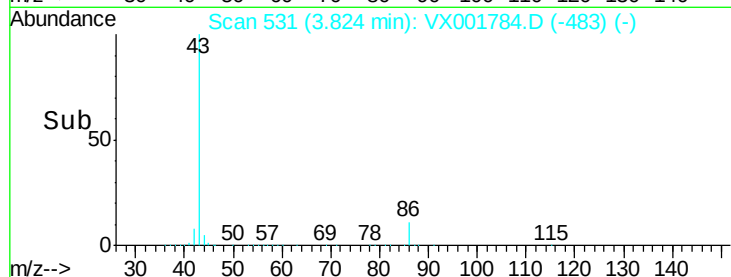
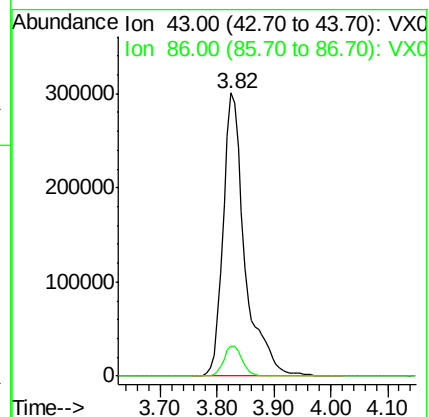
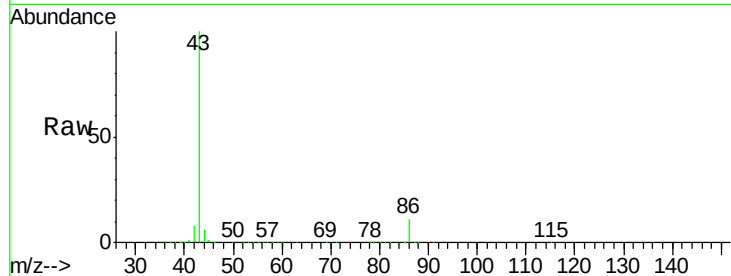
86 10.7 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.10 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

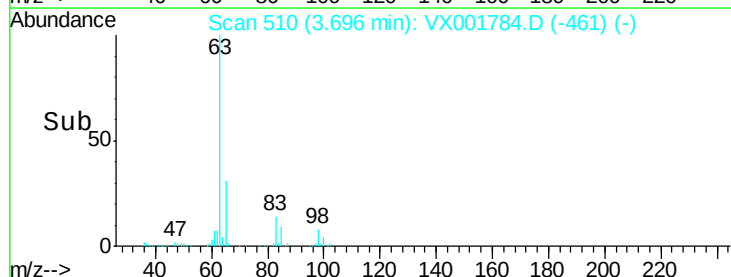
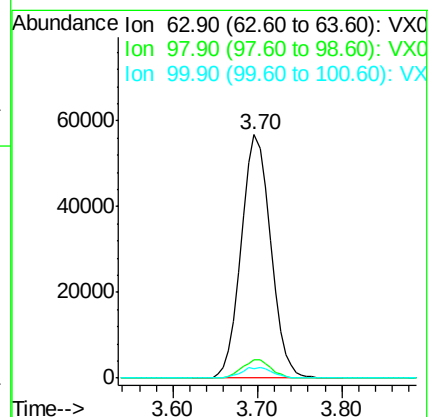
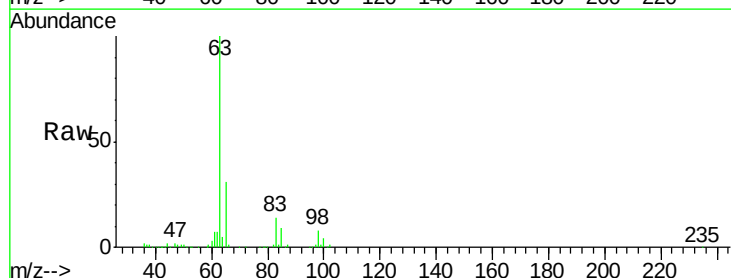
Tgt Ion: 63 Resp: 133829

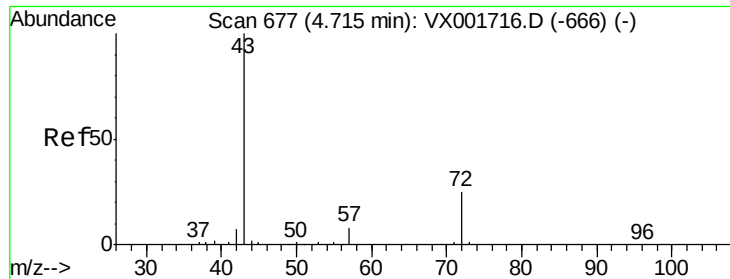
Ion Ratio Lower Upper

63 100

98 7.6 3.7 11.1

100 4.0 2.4 7.2





#25

2-Butanone

Concen: 103.91 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampled :

VX0517WBS01

Tot Ion: 43 Resp: 290136

Ion Ratio Lower Upper

43 100

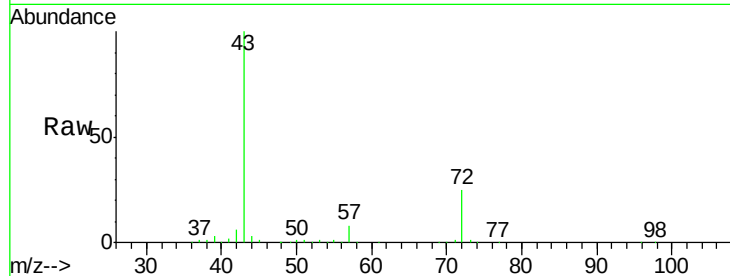
72 25.3 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

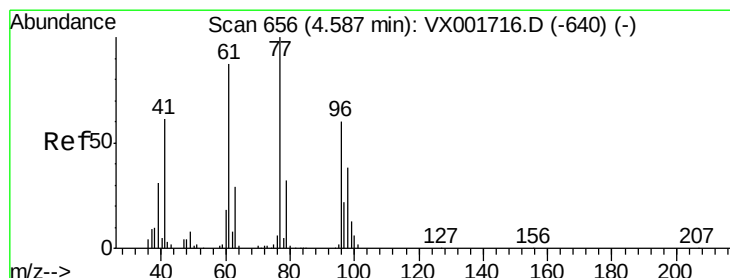
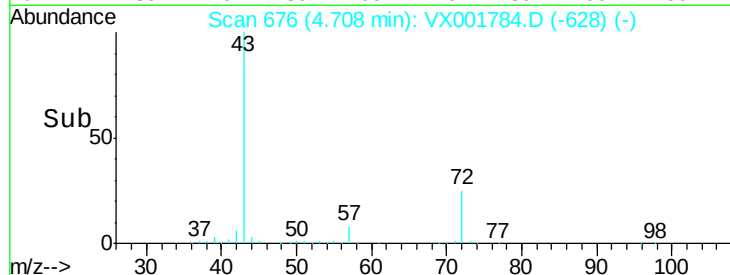
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.96 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001784.D

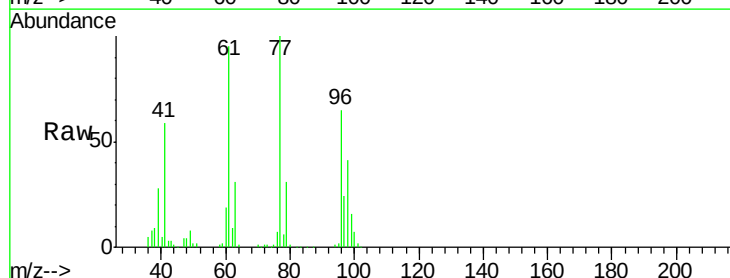
Acq: 17 May 2018 12:26

Tgt Ion: 77 Resp: 107009

Ion Ratio Lower Upper

77 100

97 23.7 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

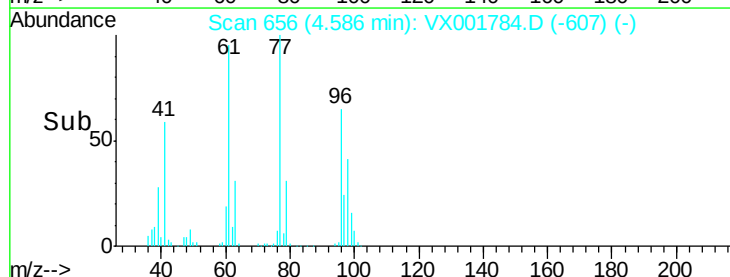
20000

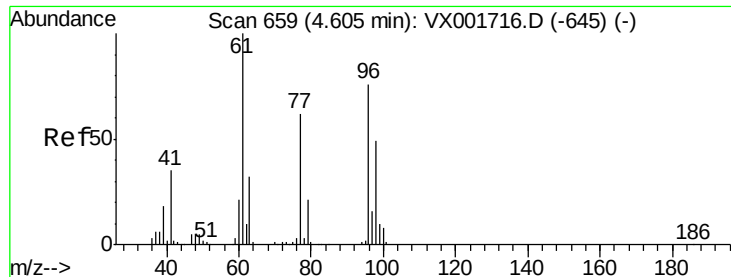
10000

0

4.50 4.60 4.70

Time-->





#27

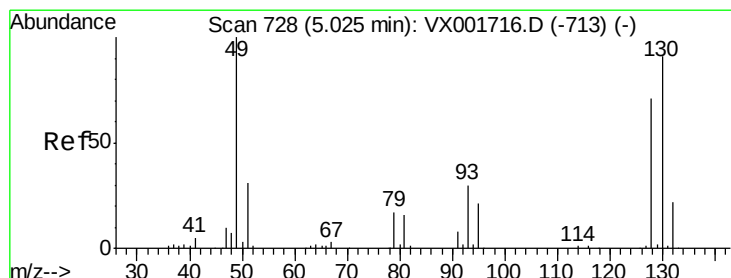
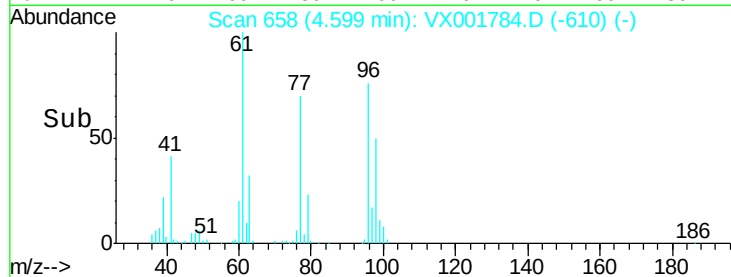
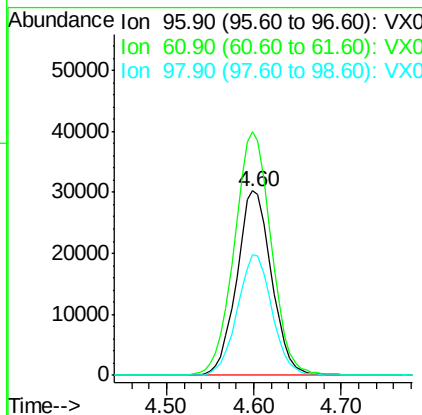
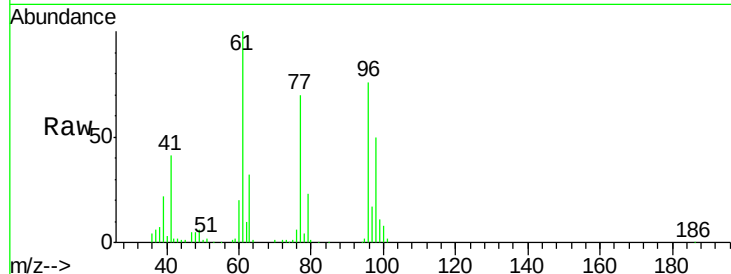
cis-1,2-Dichloroethene
 Concen: 19.49 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.2	0.0	280.4	
98	64.9	0.0	128.4	

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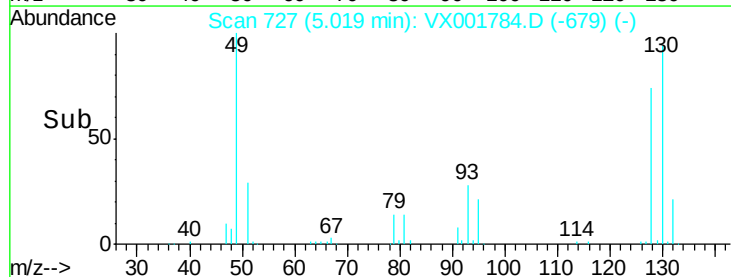
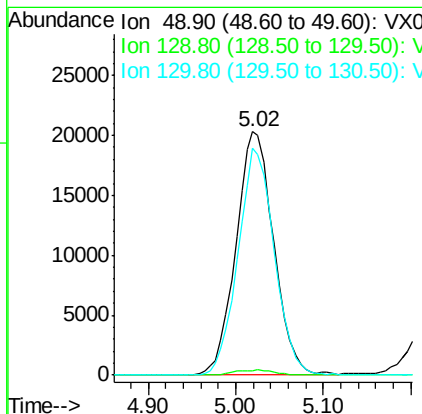
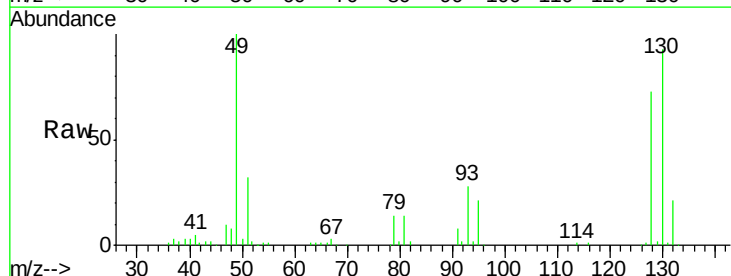
MMDadoda
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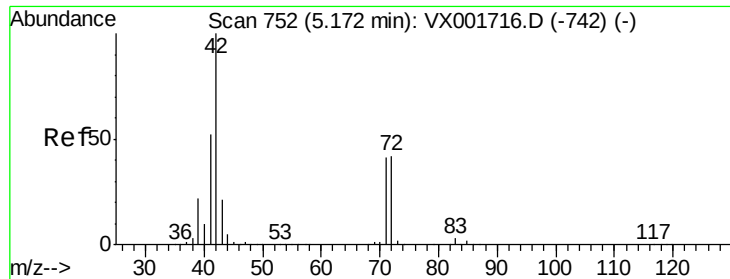


#28

Bromochloromethane
 Concen: 20.55 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	5.0	
130	89.7	71.8	107.6	





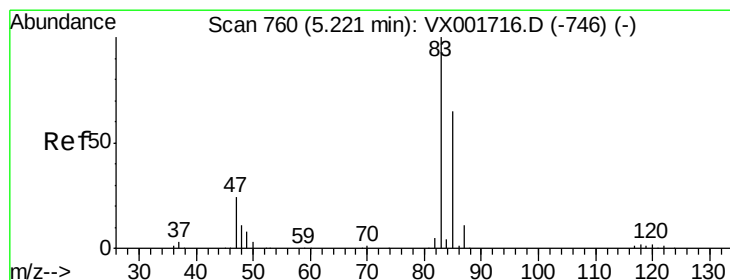
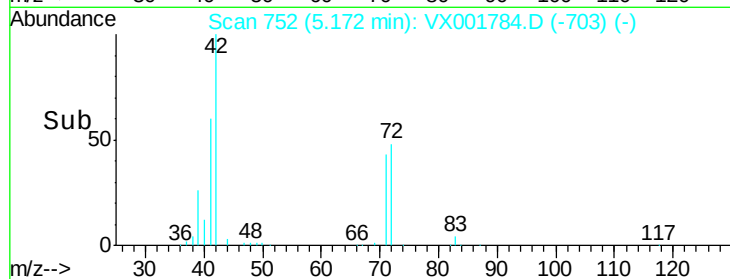
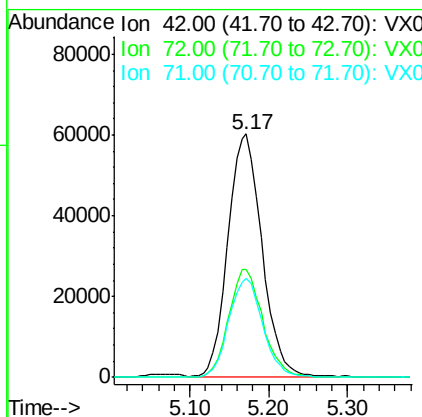
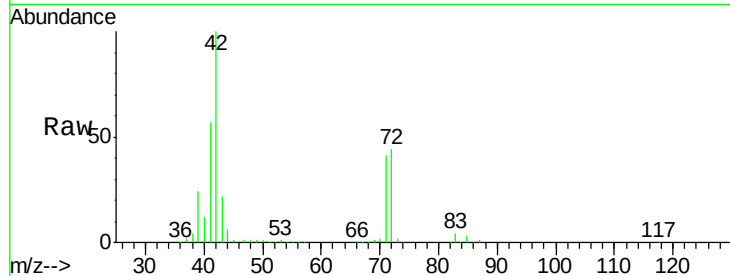
#29
Tetrahydrofuran
Concen: 98.78 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.4	53.2
71	41.0	33.2	49.8

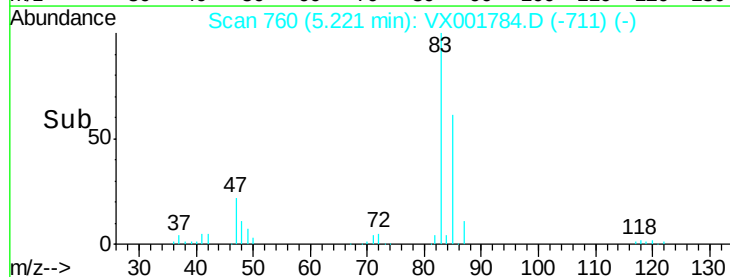
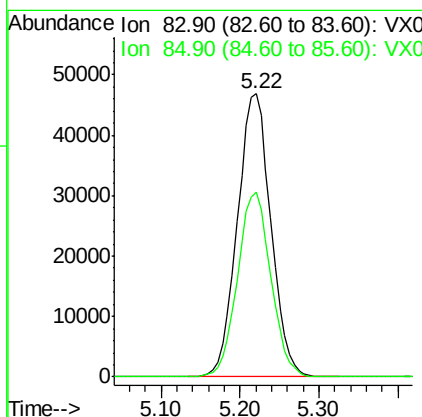
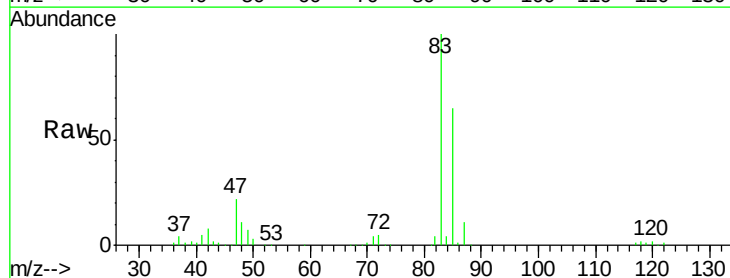
Manual Integrations
APPROVED

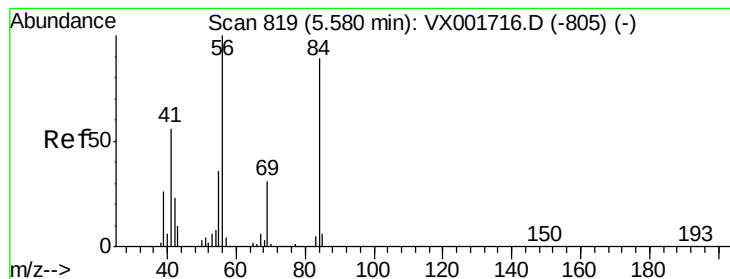
MMDadoda
5/21/2018 12:52:50 PM



#30
Chloroform
Concen: 19.85 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.3	78.5





#31

Cyclohexane

Concen: 20.44 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

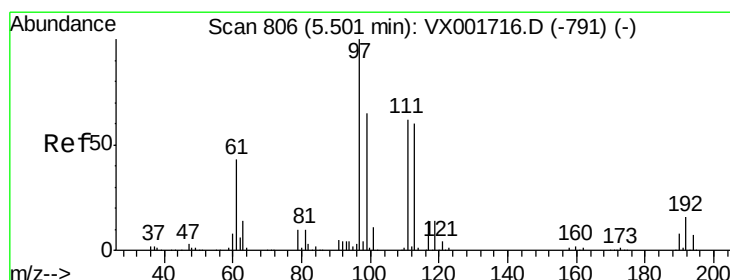
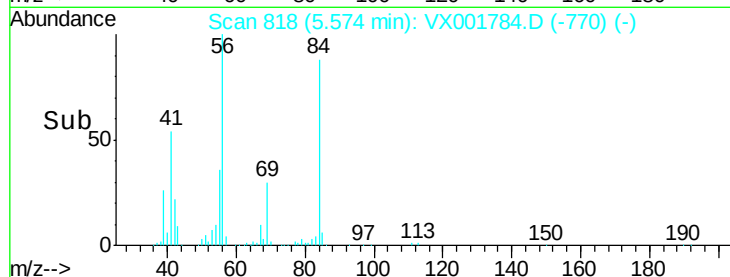
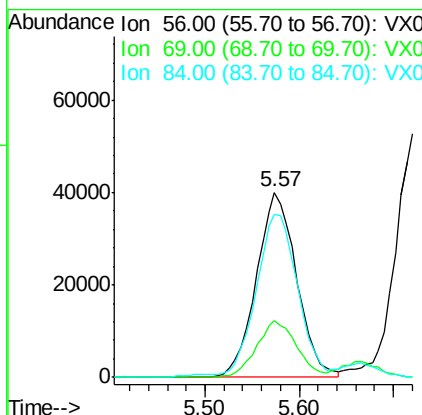
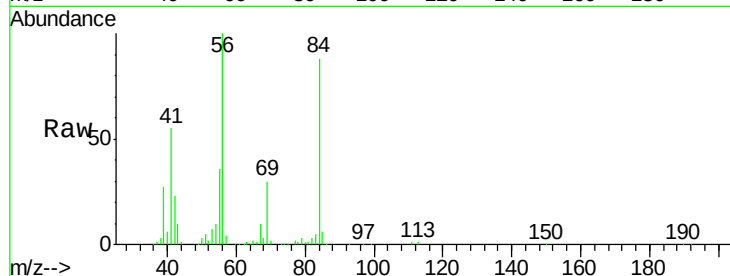
ClientSampleId :

VX0517WBS01

Tot Ion	56	Resp	119285
Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.0	37.6
84	87.1	71.0	106.4

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#32

1,1,1-Trichloroethane

Concen: 19.76 ug/l

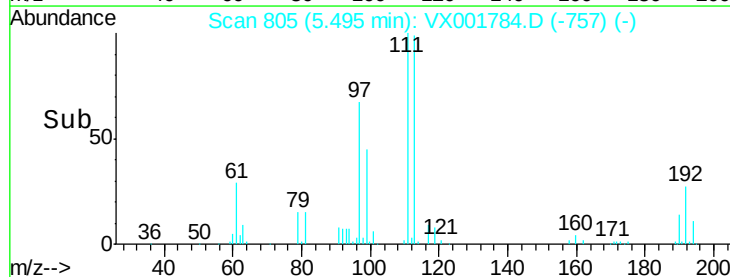
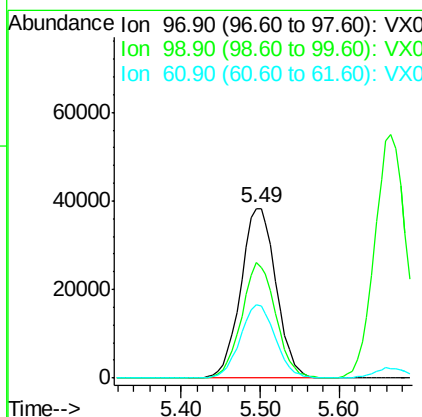
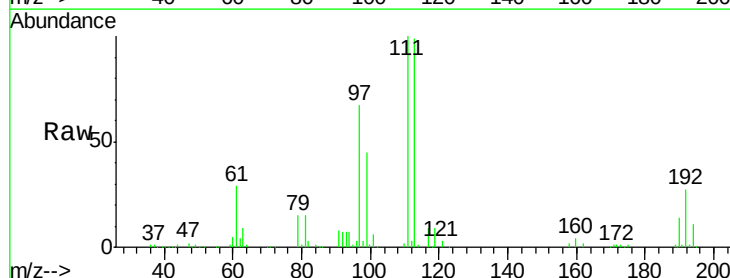
RT: 5.49 min Scan# 805

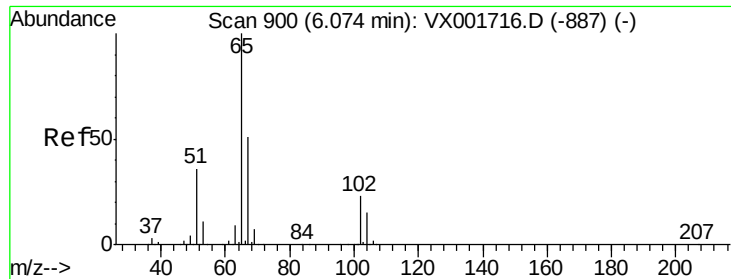
Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Tgt Ion	97	Resp	119444
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.3	76.9
61	42.7	34.0	51.0





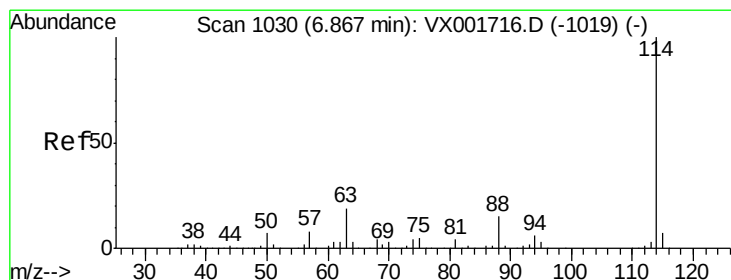
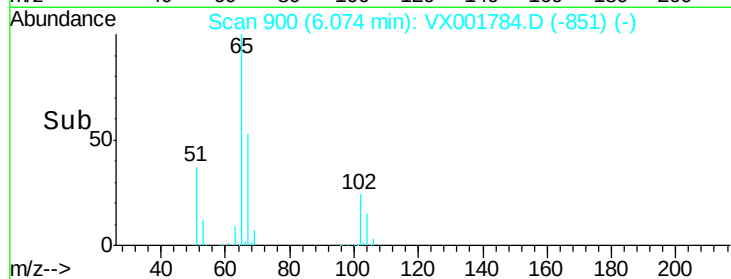
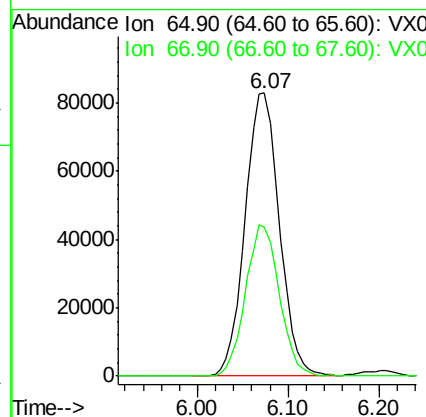
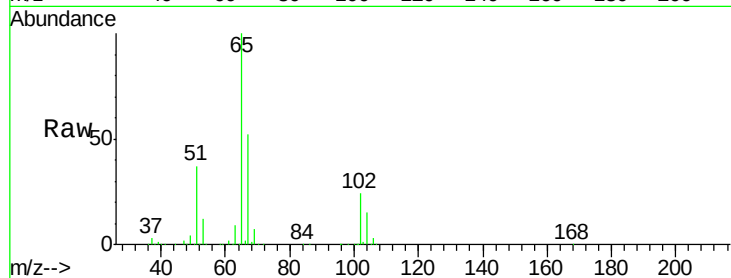
#33
 1,2-Dichloroethane-d4
 Concen: 46.78 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	217242		
67	52.9	0.0	102.8	

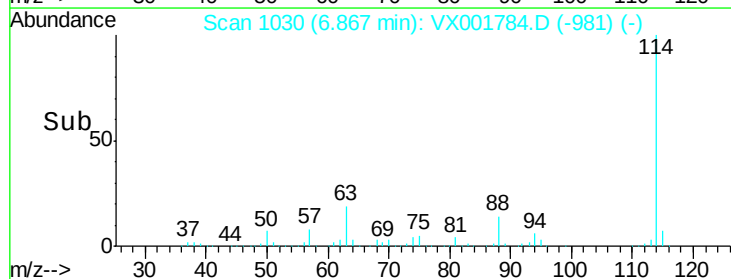
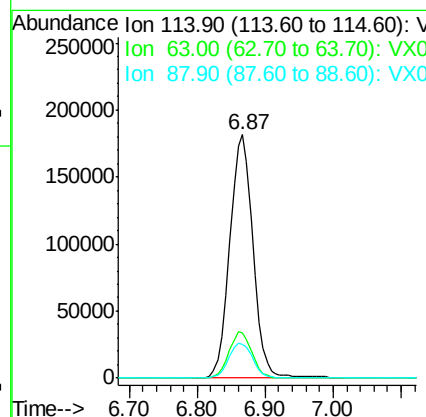
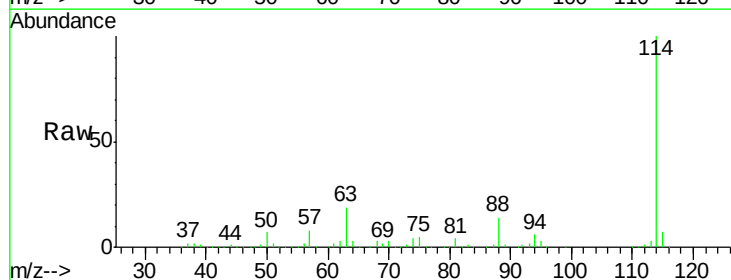
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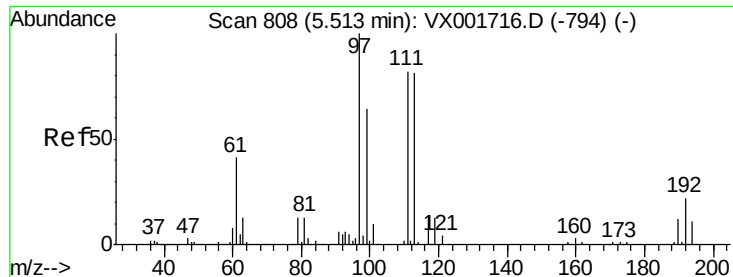
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 5/21/2018 12:52:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	430015		
63	18.6	0.0	37.0	
88	14.1	0.0	29.8	





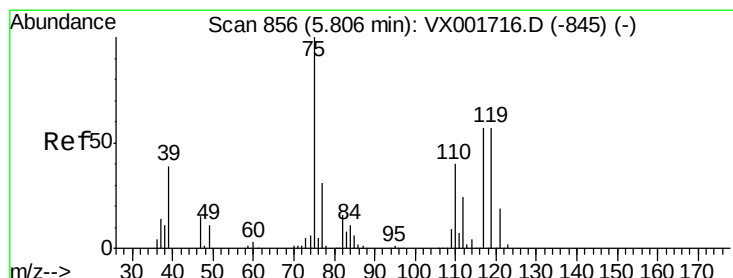
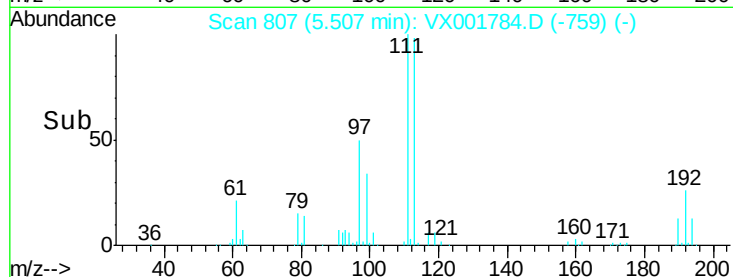
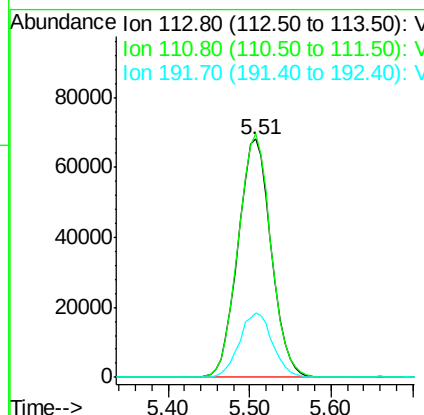
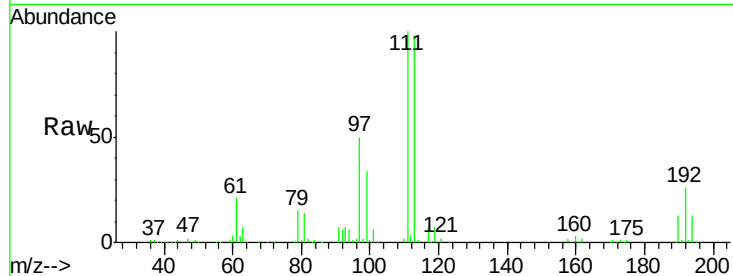
#35
 Dibromofluoromethane
 Concen: 52.95 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	192146		
111	101.1	82.0	123.0	
192	27.0	21.6	32.4	

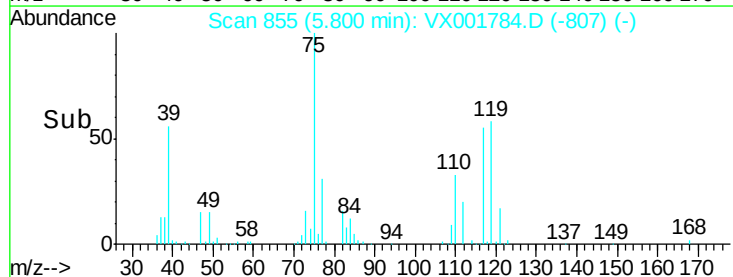
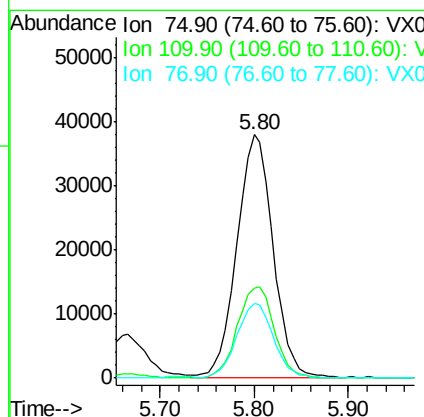
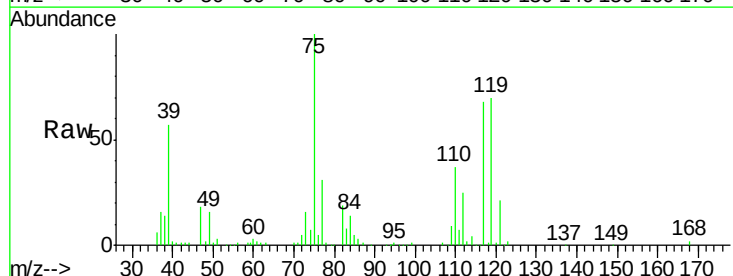
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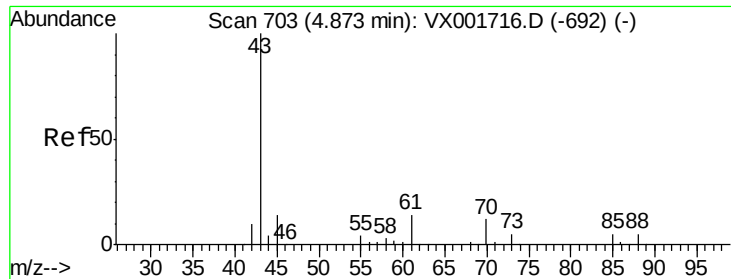
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#36
 1,1-Dichloropropene
 Concen: 20.44 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101176		
110	38.5	19.1	57.1	
77	31.4	24.6	37.0	





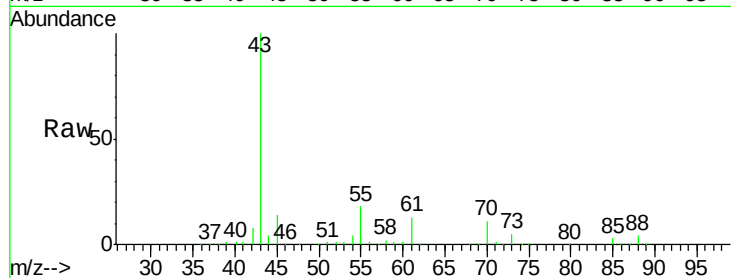
#37
Ethyl Acetate
Concen: 20.65 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

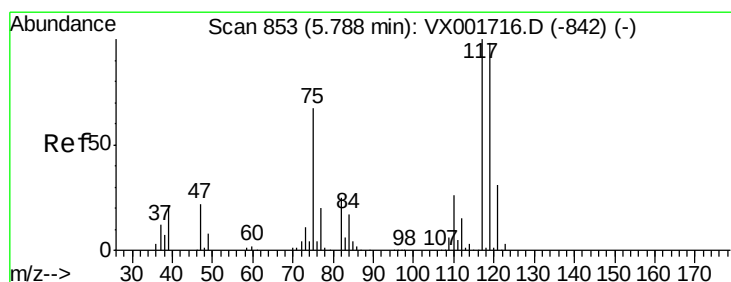
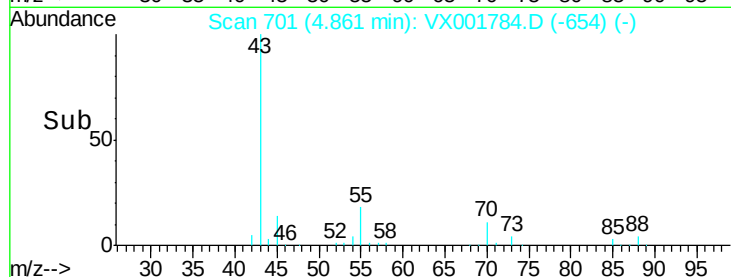
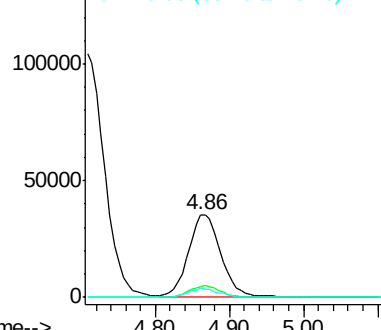
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.6	8.8	13.2

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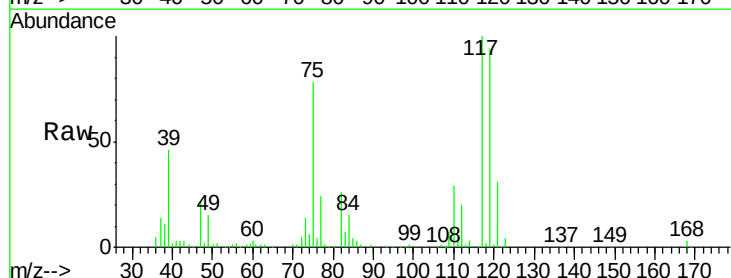


Abundance Ion 43.00 (42.70 to 43.70): VX001716.D (-692) (-)

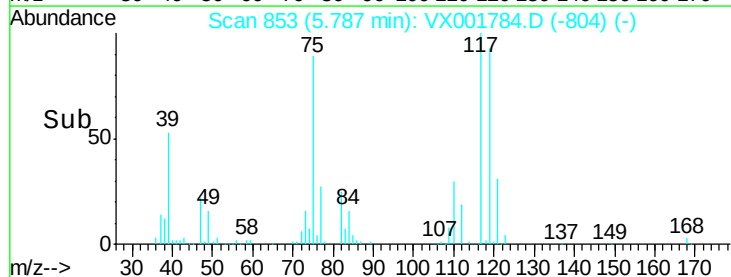
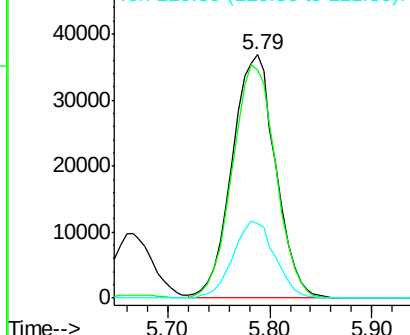


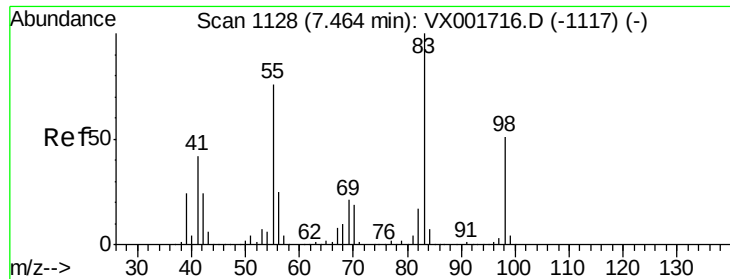
#38
Carbon Tetrachloride
Concen: 20.97 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.6	116.4
121	30.7	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VX001716.D (-842) (-)





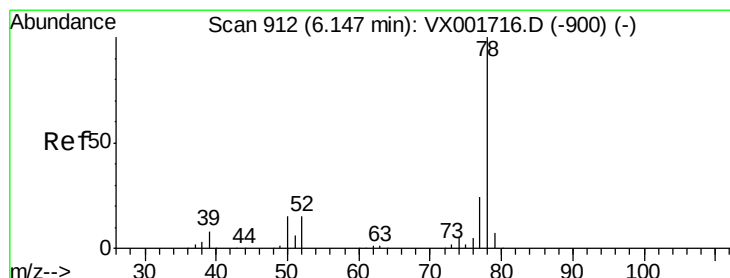
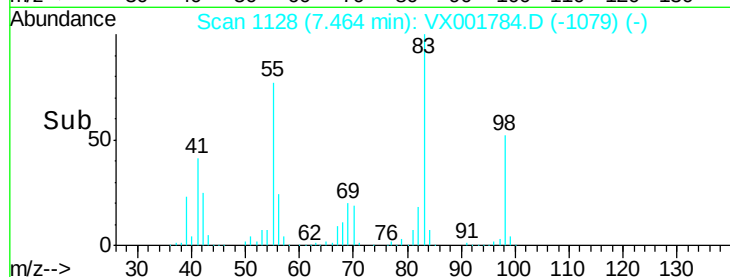
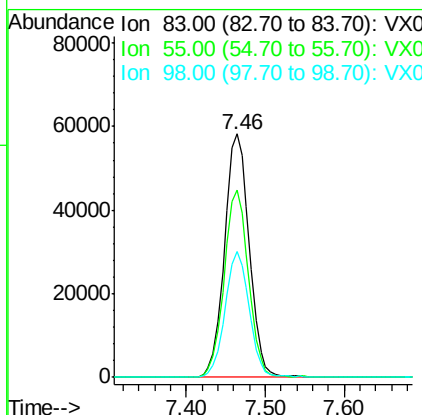
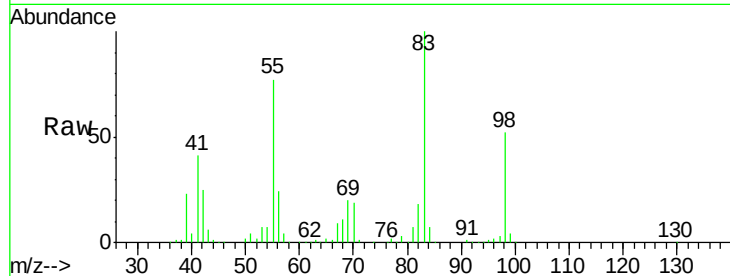
#39
Methylvlcyclohexane
Concen: 21.98 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	127119		
55	77.1		60.6	90.8
98	51.8		40.4	60.6

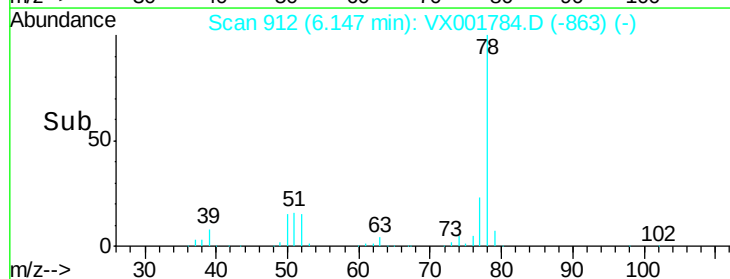
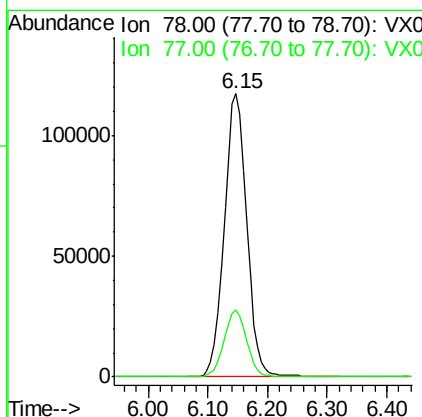
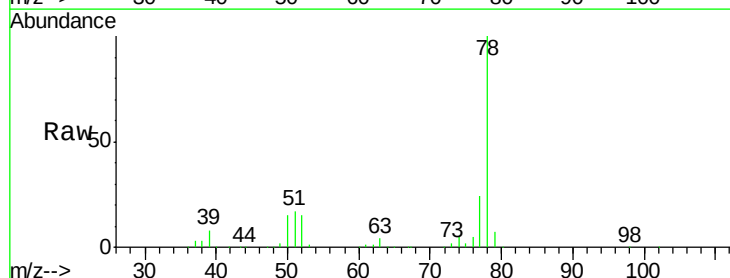
Manual Integrations
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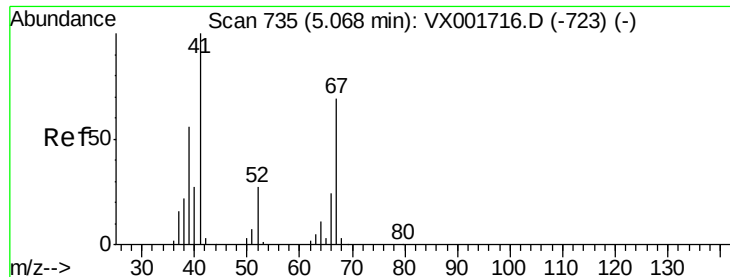
MMDadoda
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#40
Benzene
Concen: 21.12 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	308076		
77	23.7		19.0	28.4





#41

Methacrylonitrile

Concen: 20.83 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

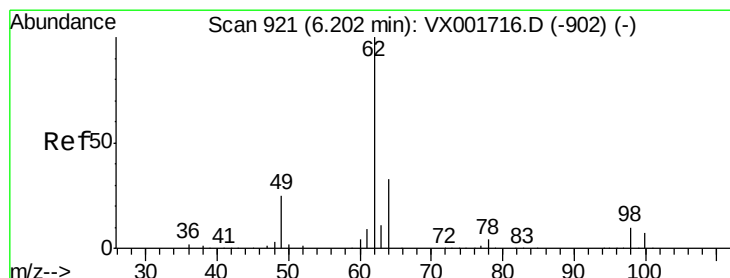
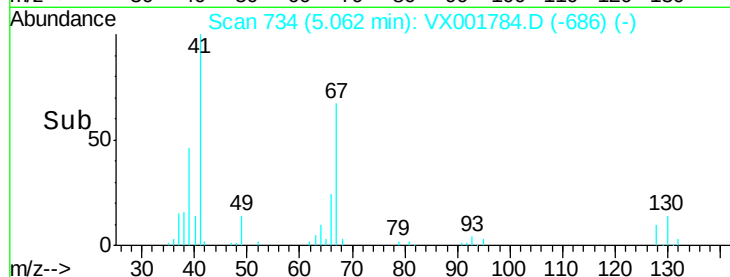
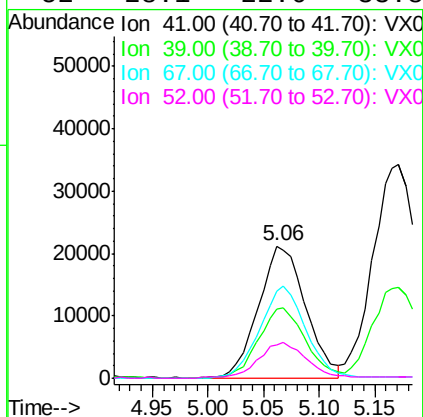
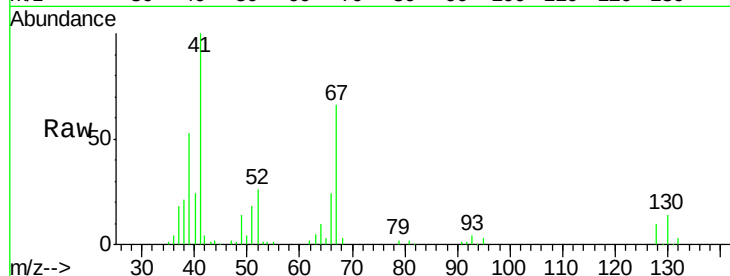
ClientSampleId :

VX0517WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	44.2	66.4	
67	69.0	56.0	84.0	
52	28.1	22.6	33.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.44 ug/l

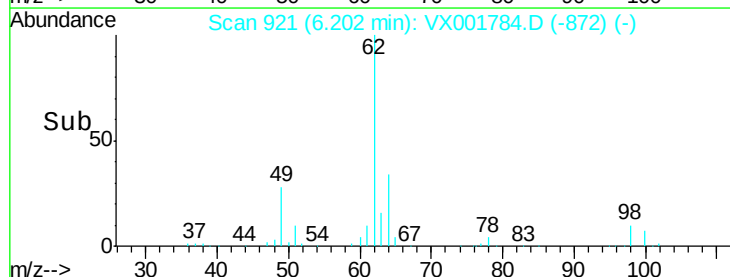
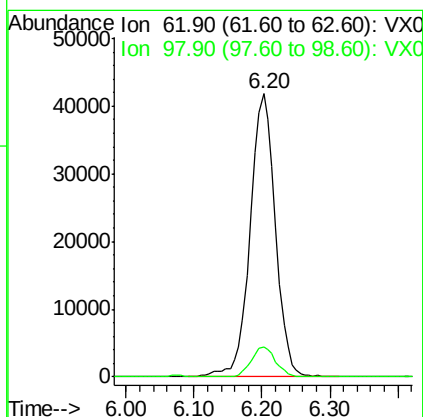
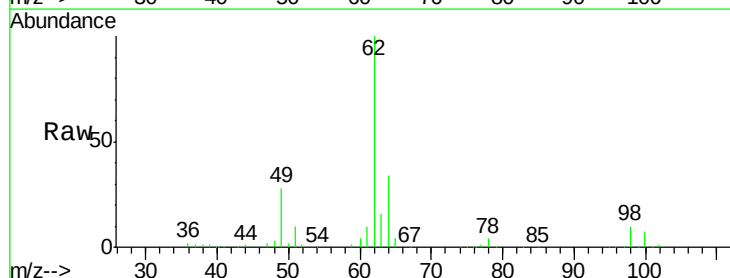
RT: 6.20 min Scan# 921

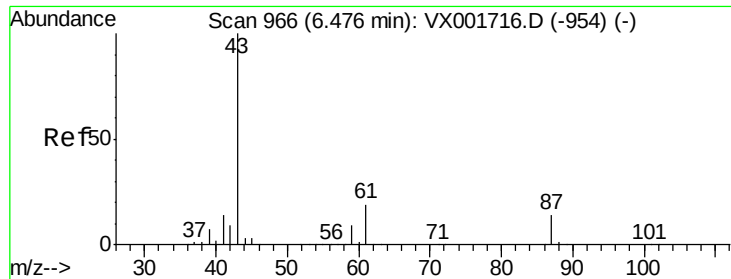
Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.0	





#43

Isopropyl Acetate

Concen: 19.93 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

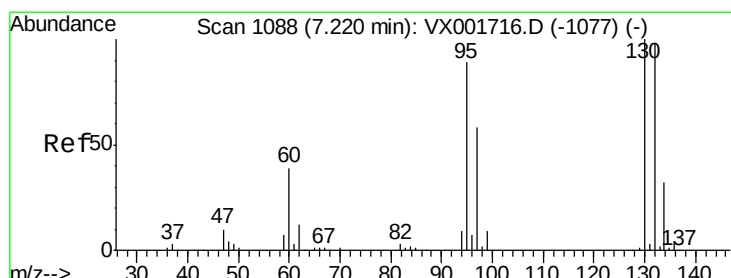
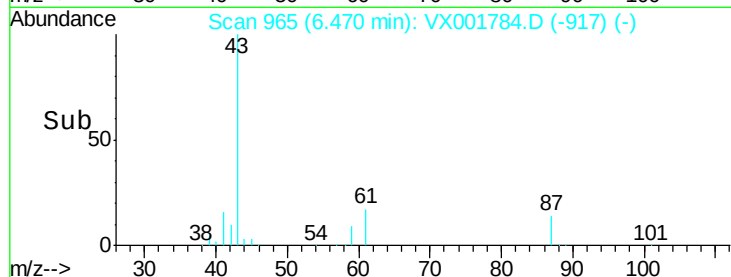
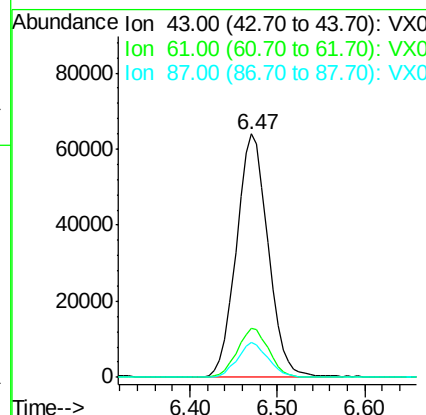
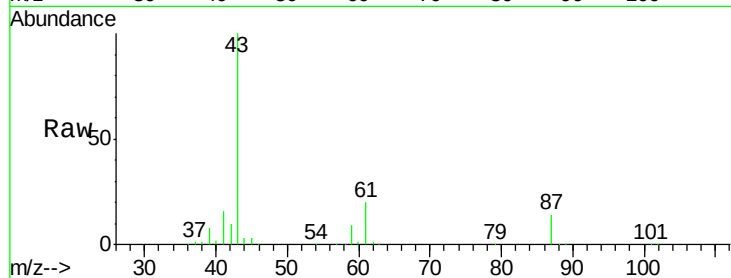
ClientSampleId :

VX0517WBS01

Tot Ion:	43	Resp:	160912
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.8
87	13.9	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 21.06 ug/l

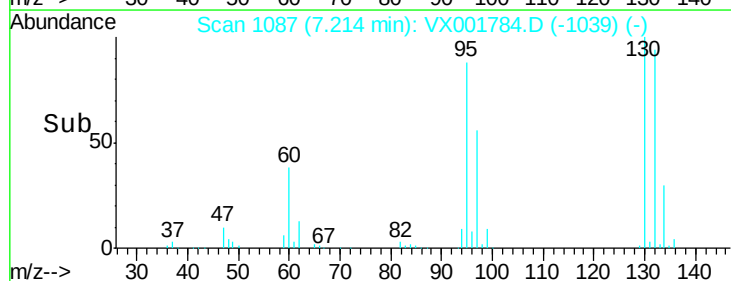
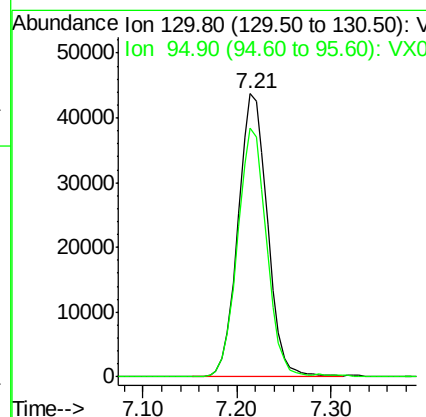
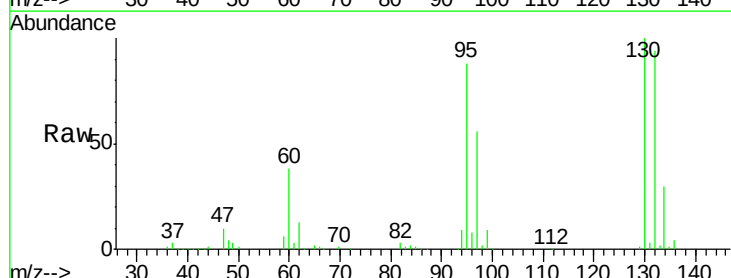
RT: 7.21 min Scan# 1087

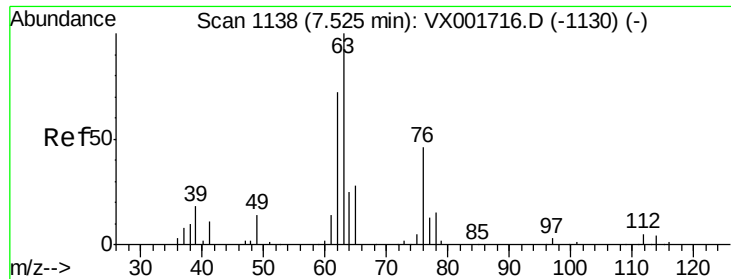
Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Tgt Ion:	130	Resp:	95329
Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	177.2





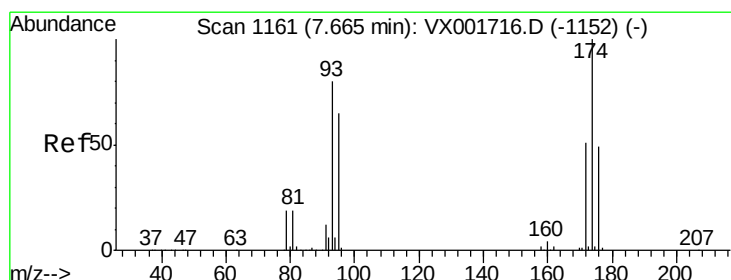
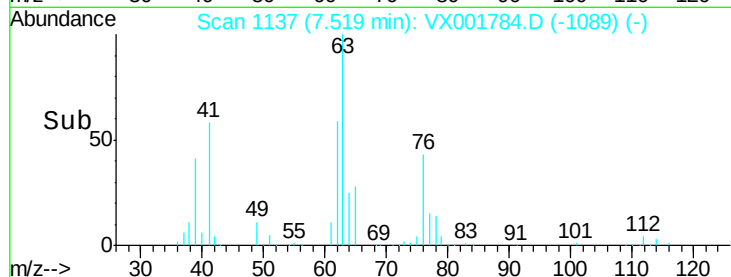
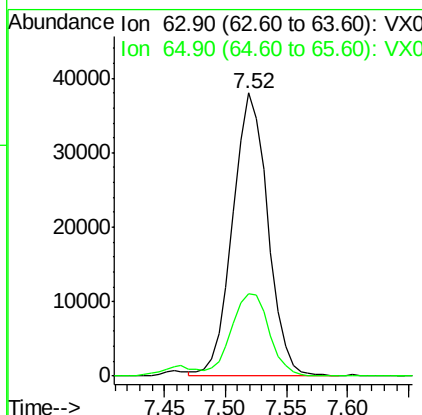
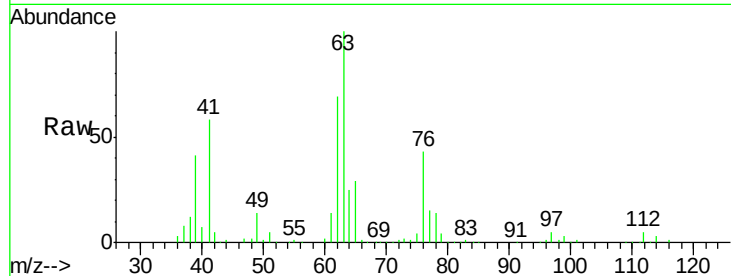
#45
 1,2-Dichloropropane
 Concen: 21.07 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Tot Ion: 63 Resp: 75397
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.2 36.2

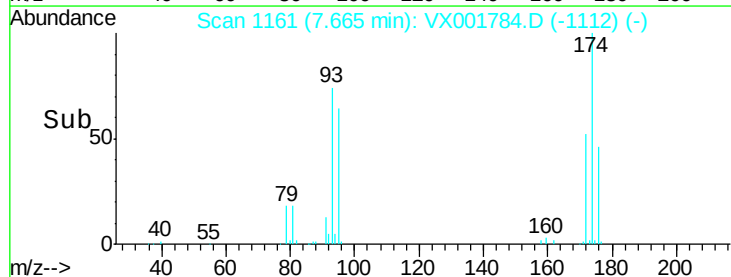
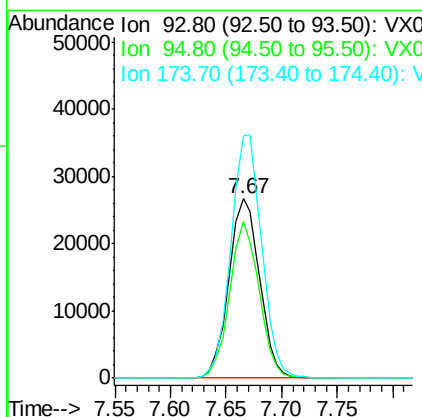
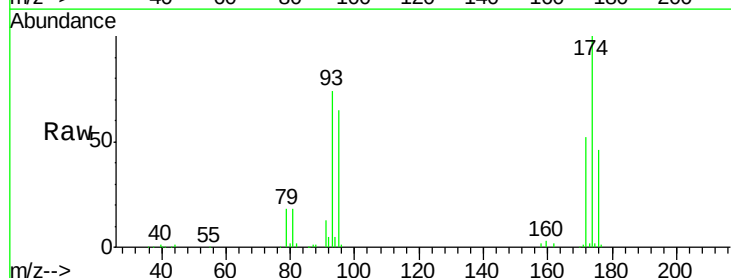
Manual Integrations
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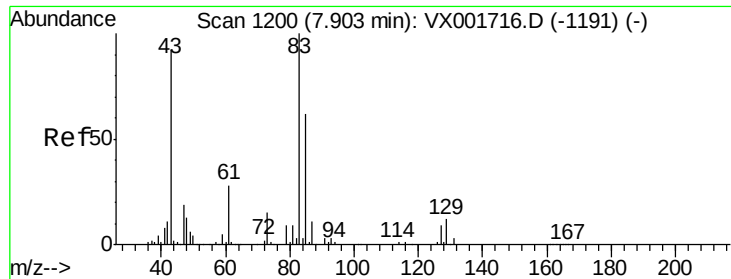
MMDadoda
 5/21/2018 12:52:50 PM



#46
 Dibromomethane
 Concen: 20.38 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Tgt Ion: 93 Resp: 51227
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.9 98.9
 174 135.3 106.2 159.2





#47

Bromodichloromethane

Concen: 20.78 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

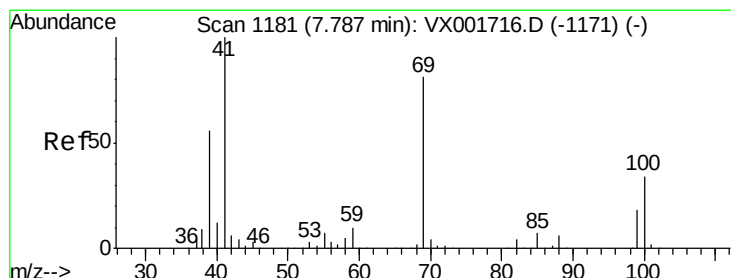
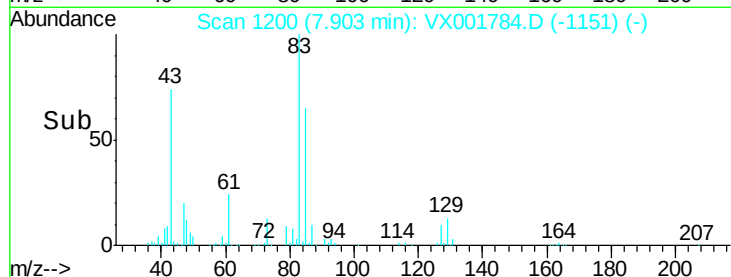
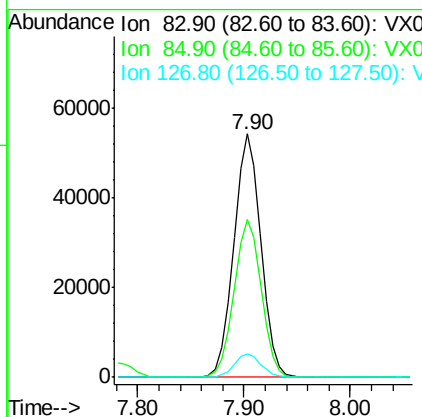
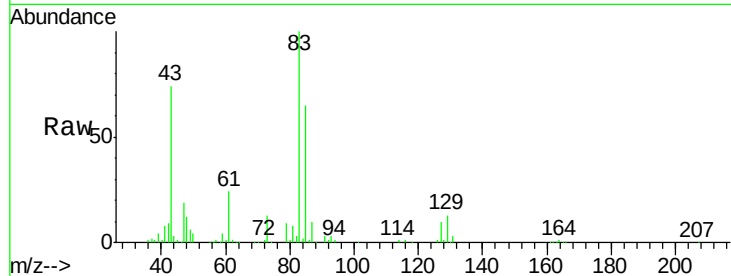
ClientSampleId :

VX0517WBS01

Tot Ion:	83	Resp:	96923
Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.6	74.4
127	9.7	7.5	11.3

Manual Integrations
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MMDadoda
5/21/2018 12:52:50 PM



#48

Methyl methacrylate

Concen: 20.39 ug/l

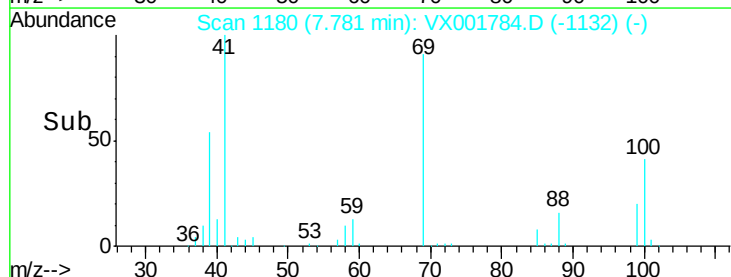
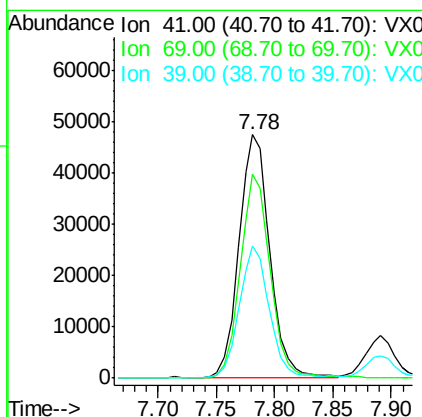
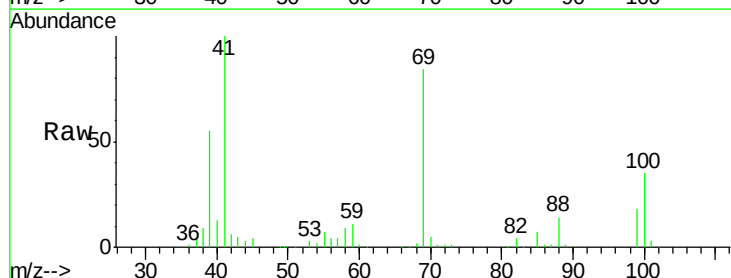
RT: 7.78 min Scan# 1180

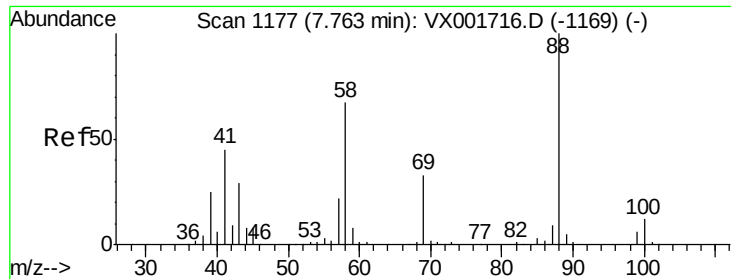
Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Tgt Ion:	41	Resp:	86640
Ion	Ratio	Lower	Upper
41	100		
69	82.6	65.2	97.8
39	53.2	44.5	66.7





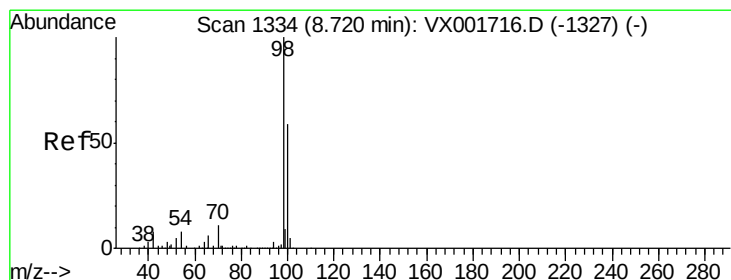
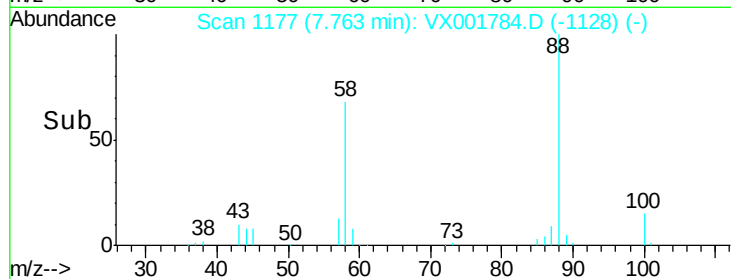
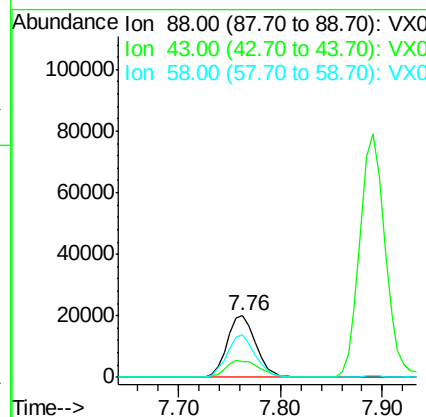
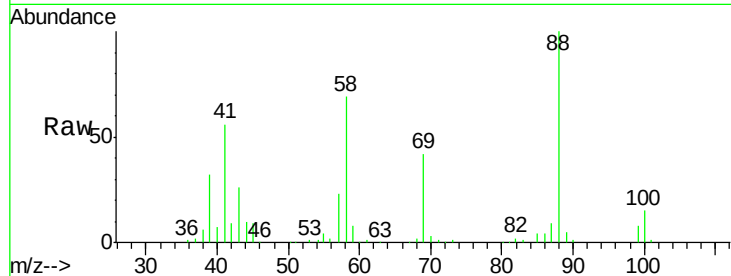
#49
1,4-Dioxane
Concen: 484.17 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	27.3	40.9
58	67.5	55.9	83.9

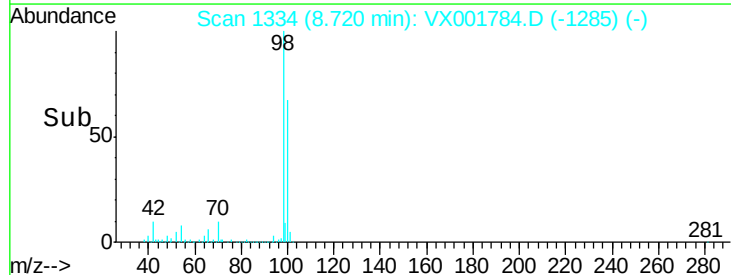
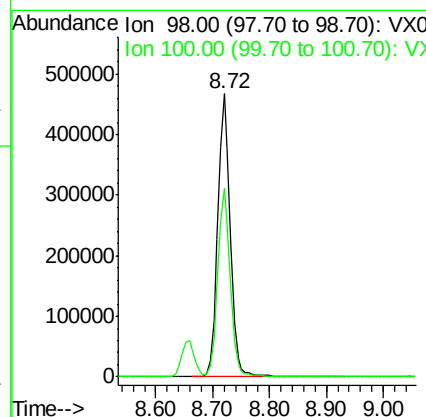
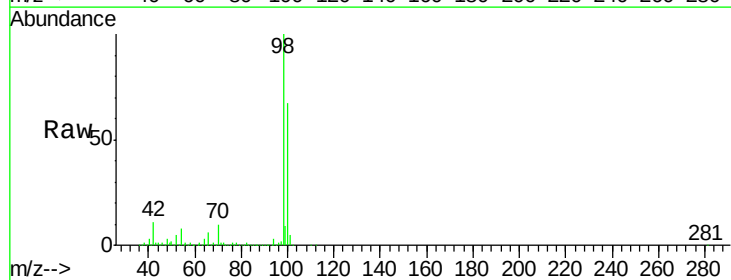
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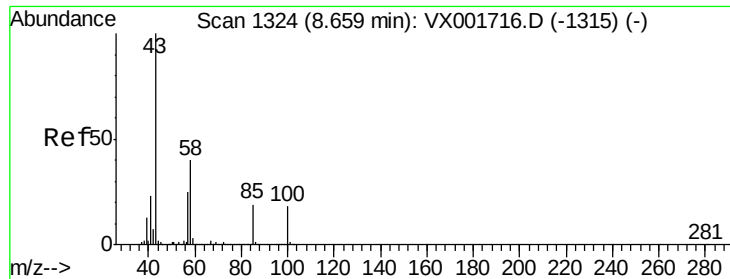
MMDadoda
5/21/2018 12:52:50 PM



#50
Toluene-d8
Concen: 55.37 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	54.0	81.0





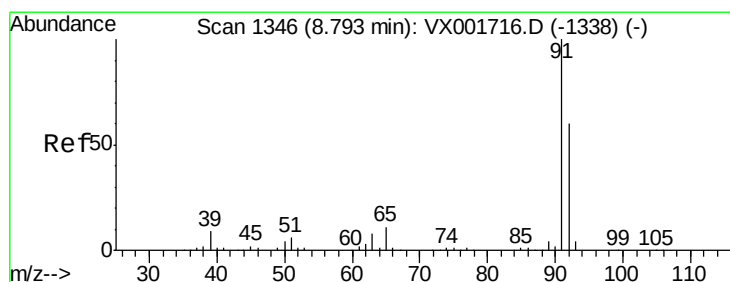
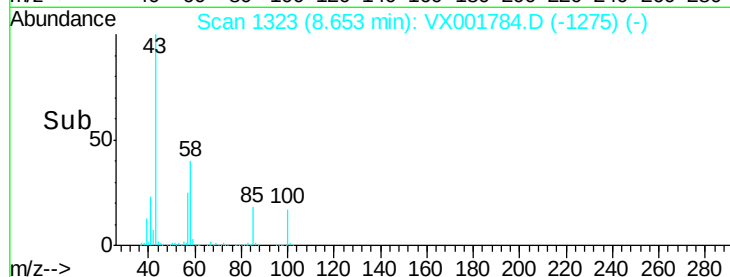
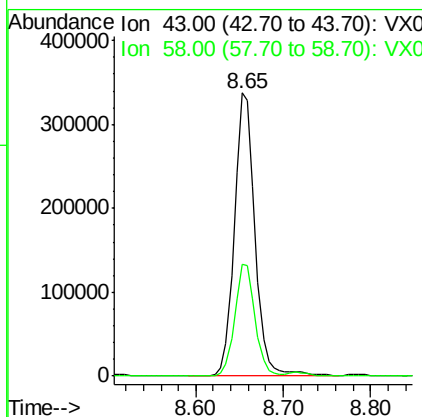
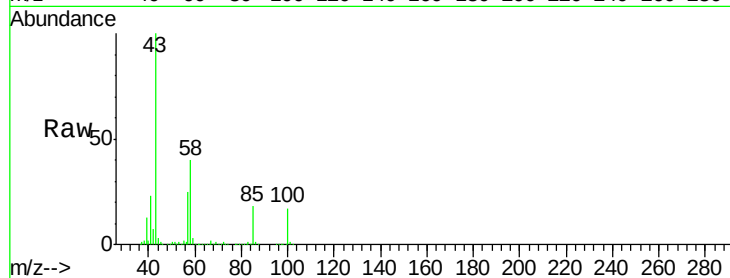
#51
4-Methyl-2-Pentanone
Concen: 108.99 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	31.4	47.0

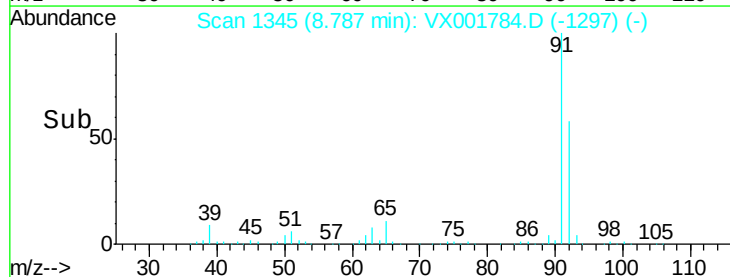
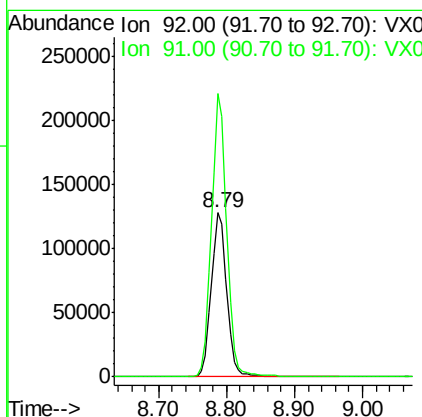
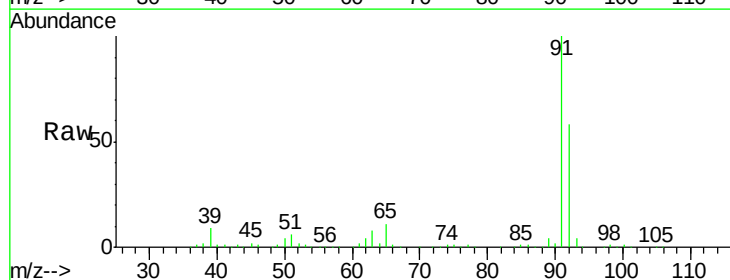
Manual Integrations
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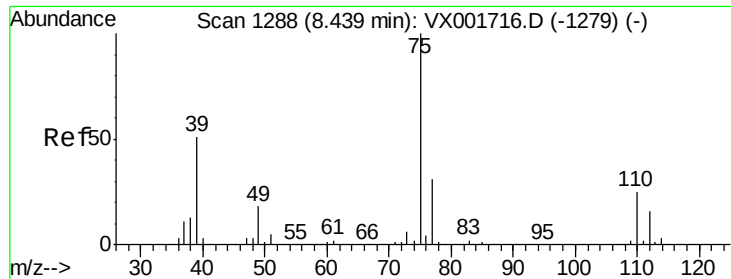
MMDadoda
5/21/2018 12:52:50 PM



#52
Toluene
Concen: 21.73 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.0	135.5	203.3





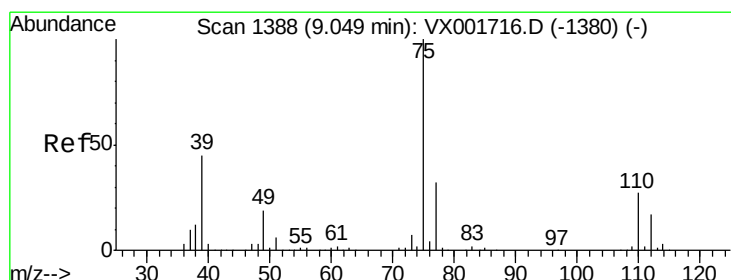
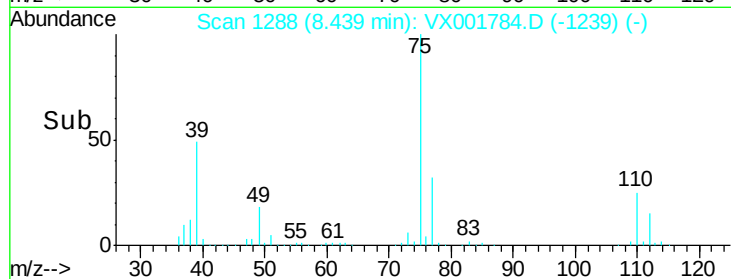
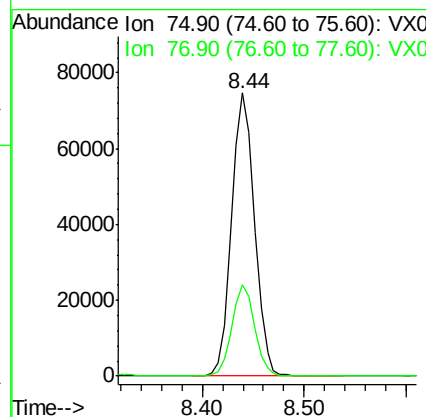
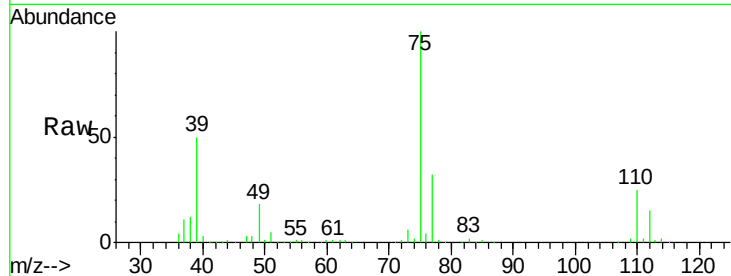
#53
t-1,3-Dichloropropene
Concen: 21.12 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion: 75 Resp: 115856
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6

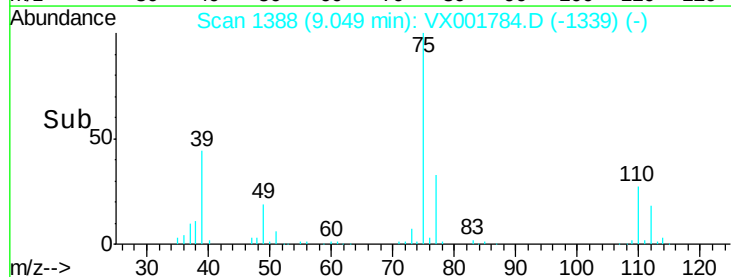
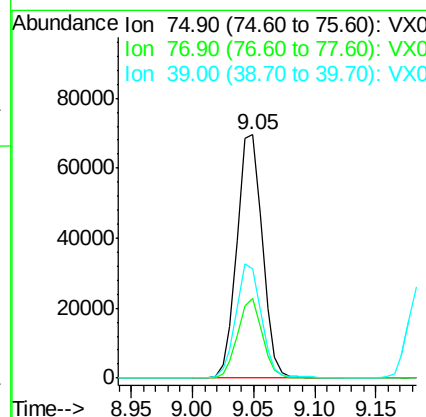
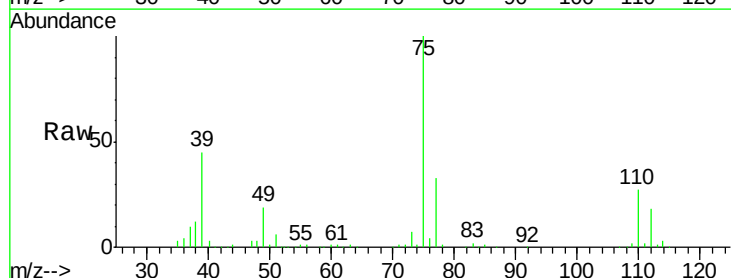
Manual Integrations
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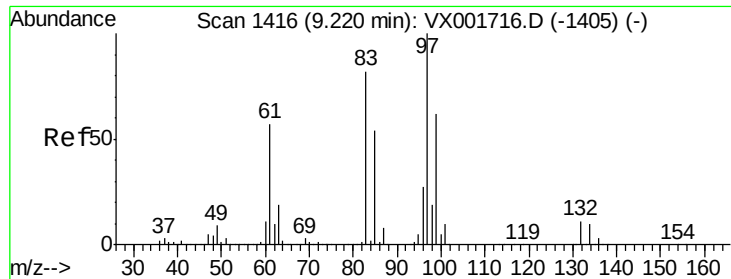
MMDadoda
5/21/2018 12:52:50 PM



#54
cis-1,3-Dichloropropene
Concen: 20.63 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion: 75 Resp: 99761
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.2
39 44.7 36.1 54.1





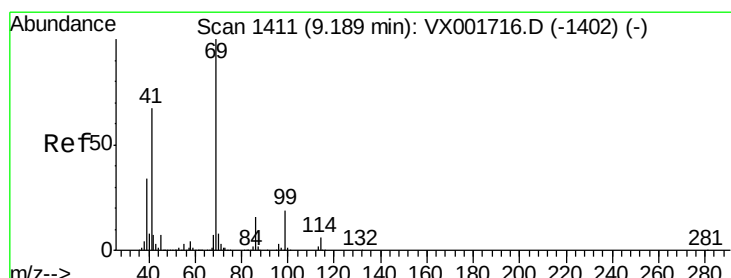
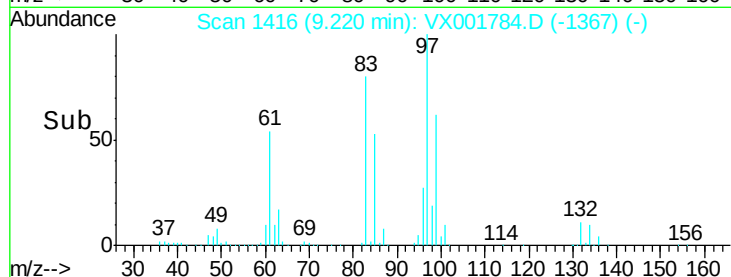
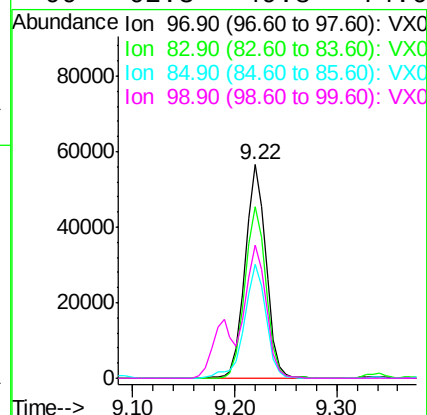
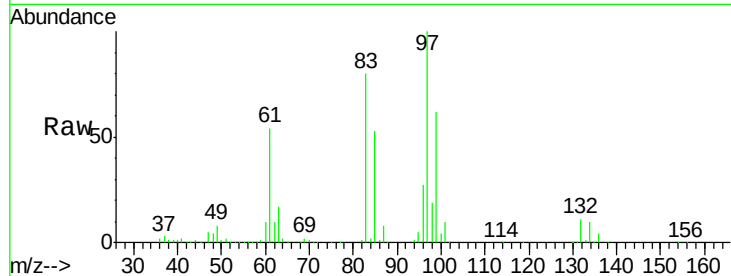
#55
 1,1,2-Trichloroethane
 Concen: 22.32 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		79955		
83	80.3		65.8	98.8	
85	53.3		43.4	65.0	
99	62.3		49.8	74.6	

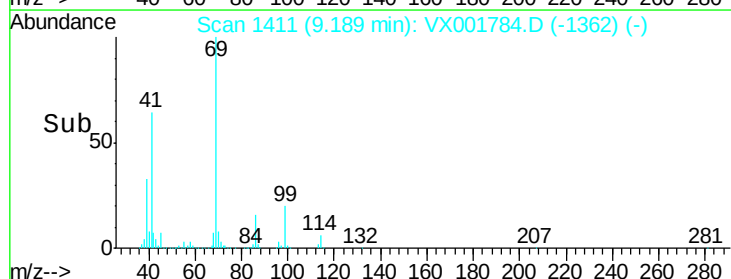
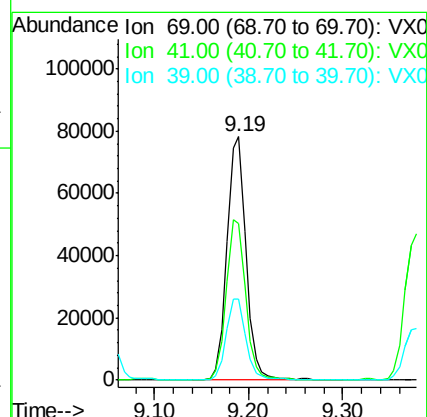
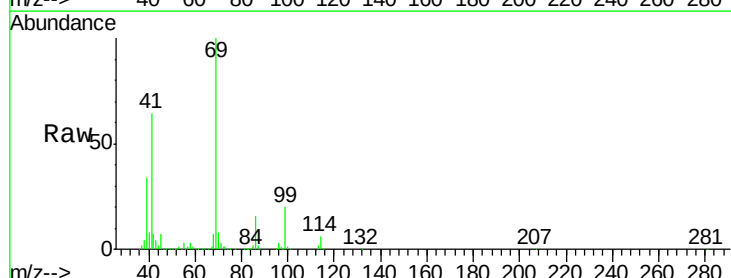
Manual Integrations
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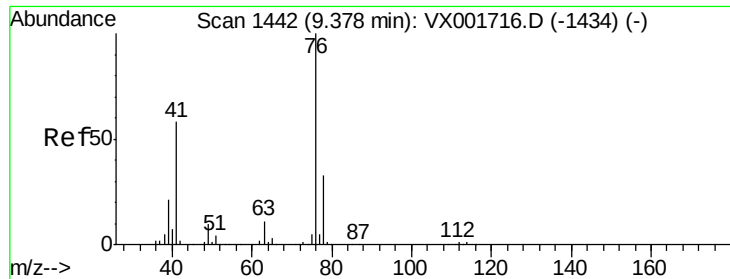
MMDadoda
 5/21/2018 12:52:50 PM



#56
 Ethyl methacrylate
 Concen: 21.60 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		109714		
41	66.8		53.5	80.3	
39	34.3		27.2	40.8	





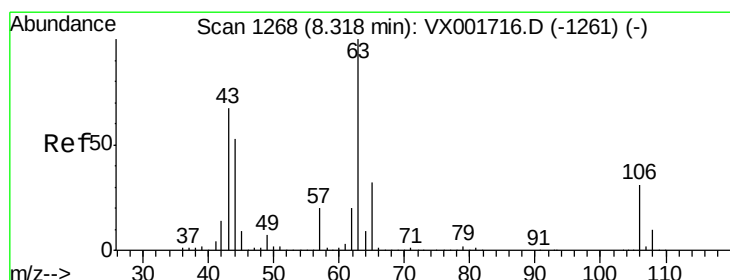
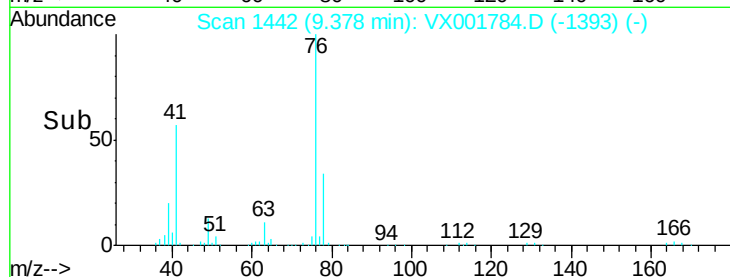
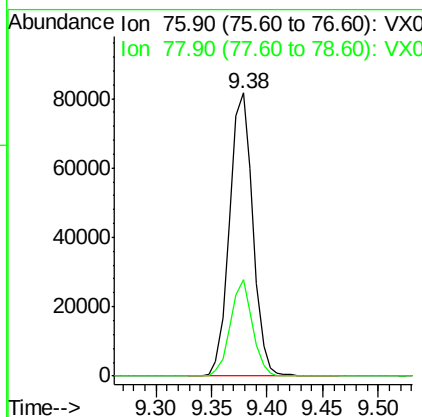
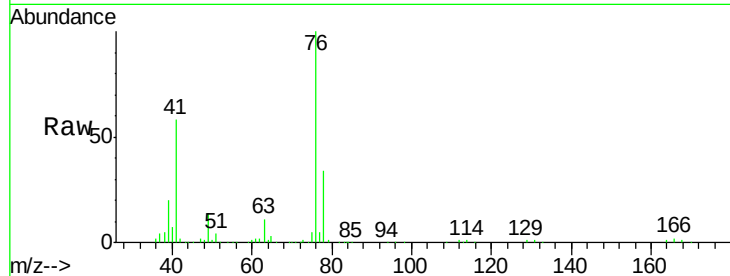
#57
 1,3-Dichloropropane
 Concen: 19.72 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

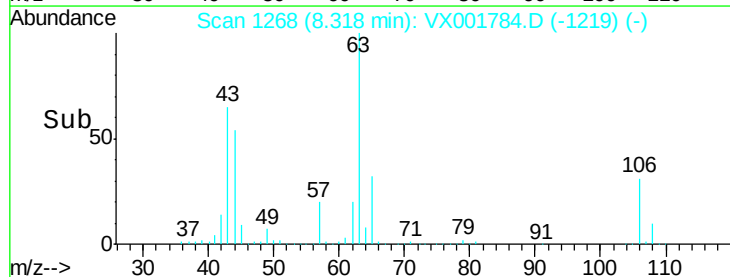
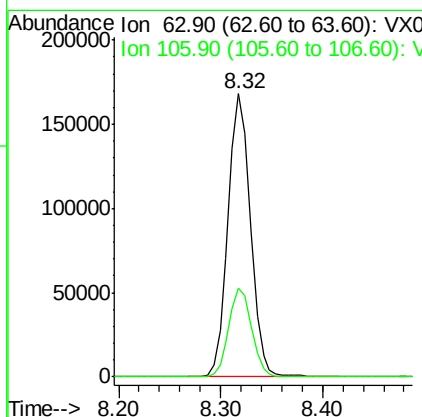
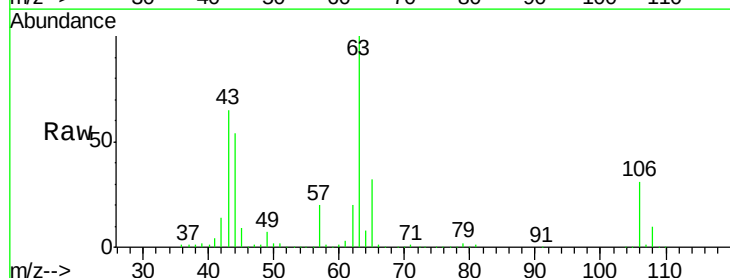
Manual Integrations
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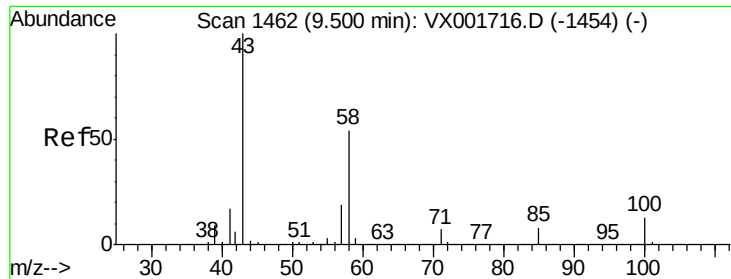
MMDadoda
 5/21/2018 12:52:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.02 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.9	25.1	37.7





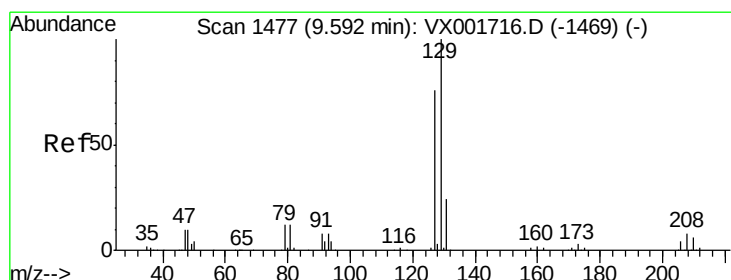
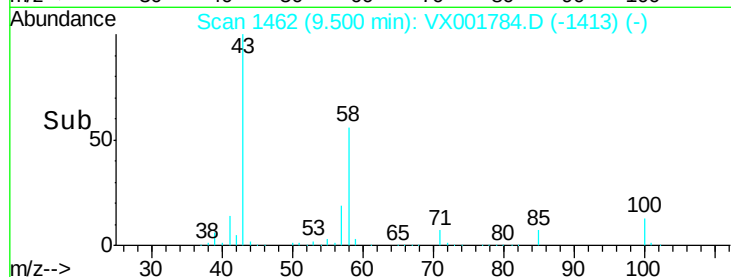
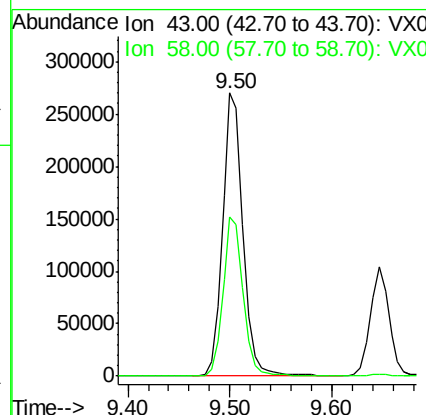
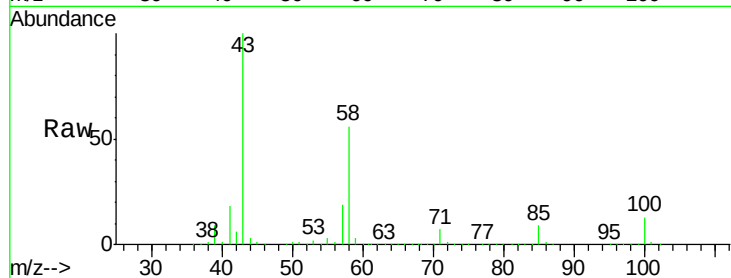
#59
2-Hexanone
Concen: 103.28 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion: 43 Resp: 378283
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.1

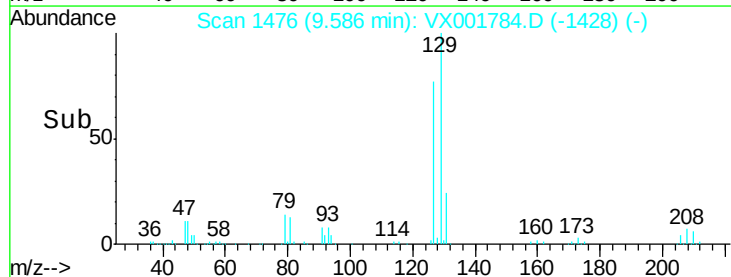
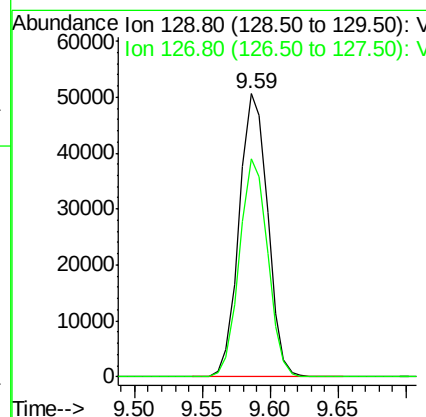
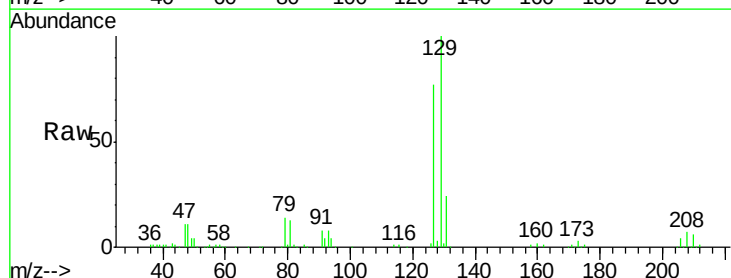
Manual Integrations
APPROVED

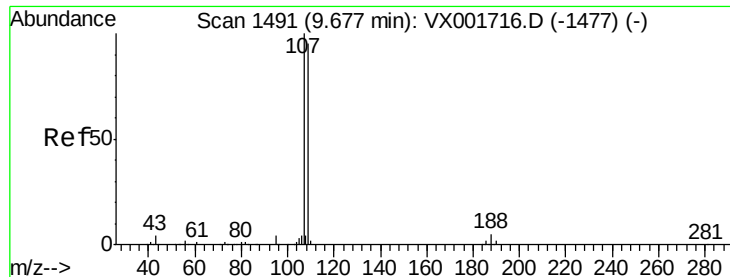
MMDadoda
5/21/2018 12:52:50 PM



#60
Dibromochloromethane
Concen: 20.19 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion: 129 Resp: 74066
Ion Ratio Lower Upper
129 100
127 76.3 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.80 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

Tot Ion:107 Resp: 74268

Ion Ratio Lower Upper

107 100

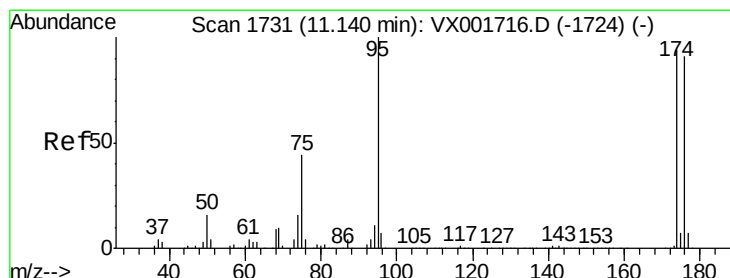
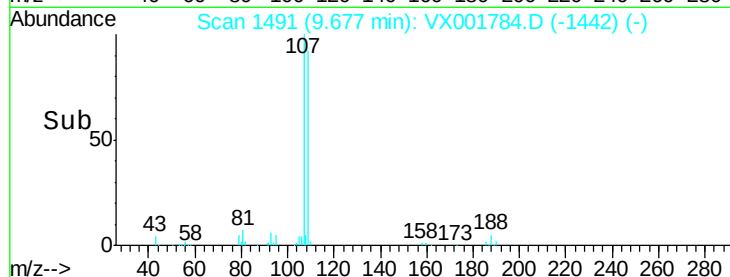
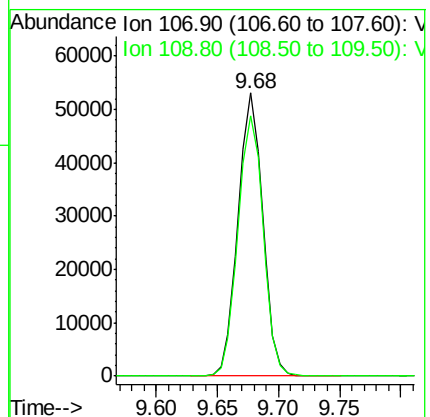
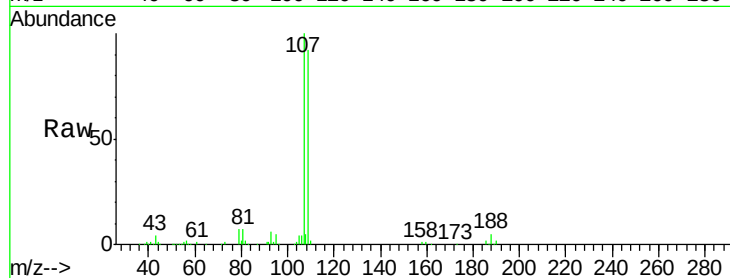
109 94.2 76.2 114.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

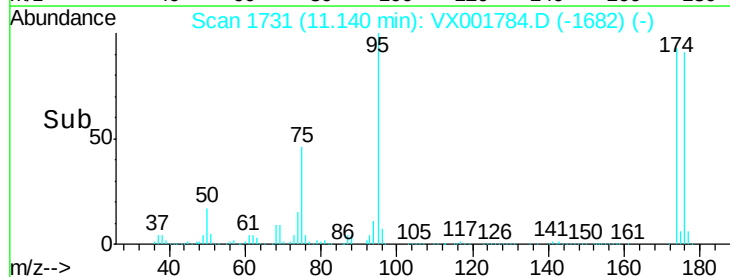
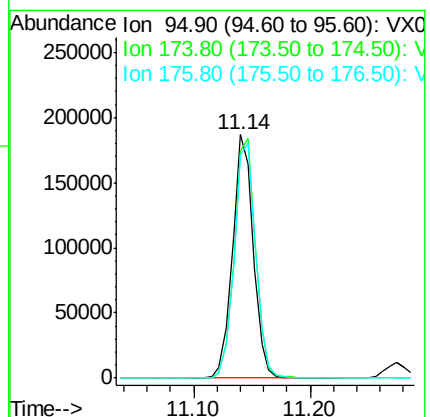
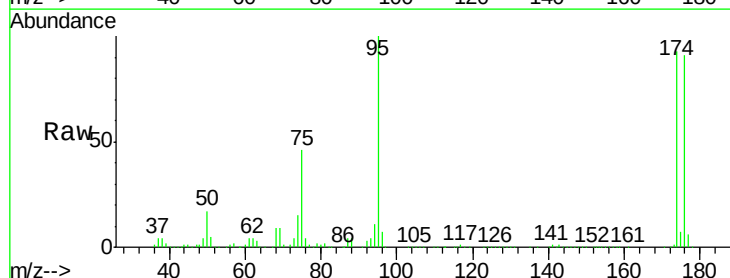
Tgt Ion: 95 Resp: 230512

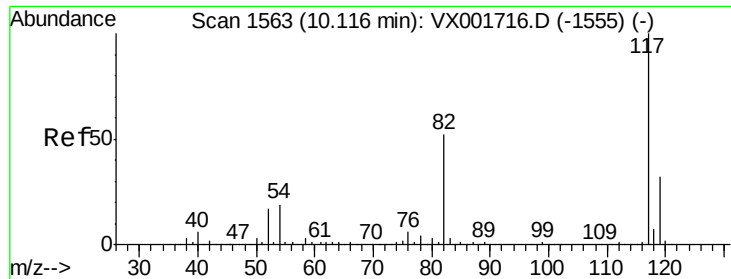
Ion Ratio Lower Upper

95 100

174 101.8 0.0 201.8

176 99.7 0.0 196.8





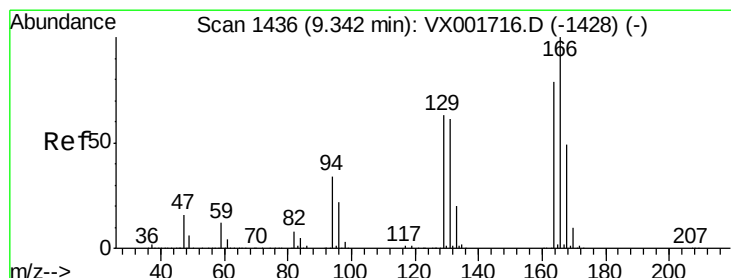
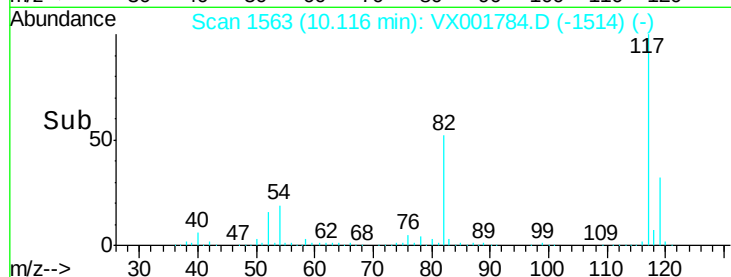
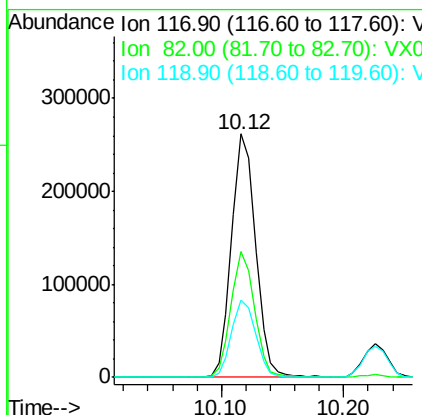
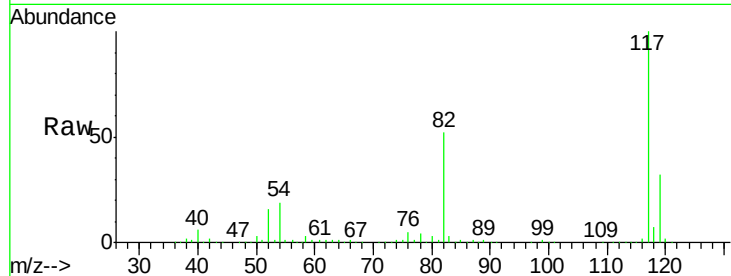
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.4	62.2
119	32.0	25.6	38.4

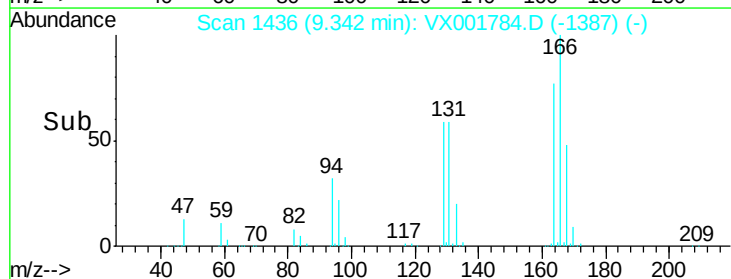
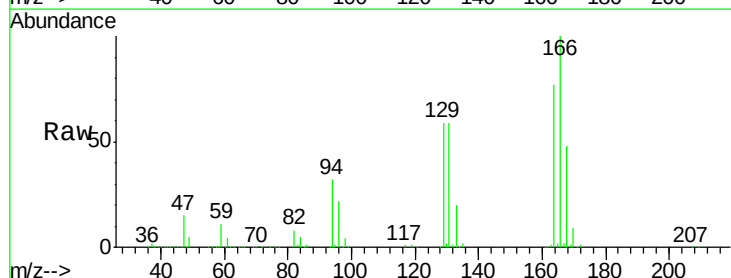
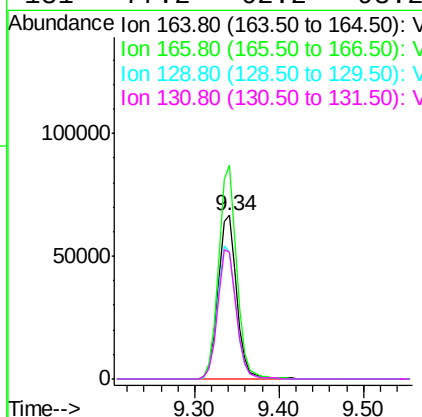
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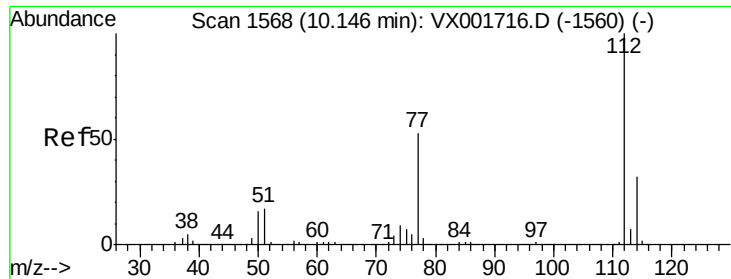
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#64
Tetrachloroethene
Concen: 21.85 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	101.8	152.8
129	77.1	63.8	95.6
131	77.2	62.2	93.2





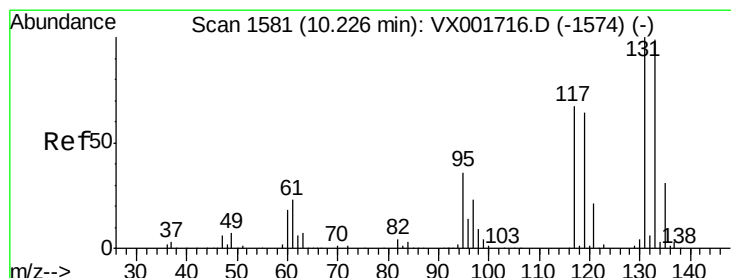
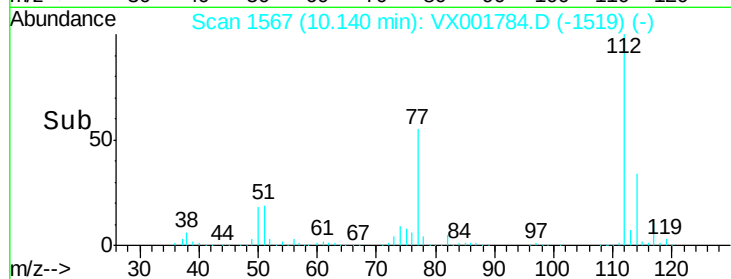
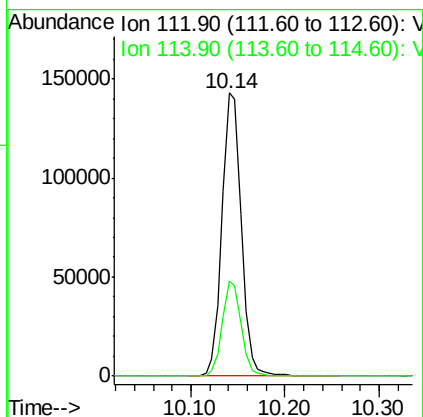
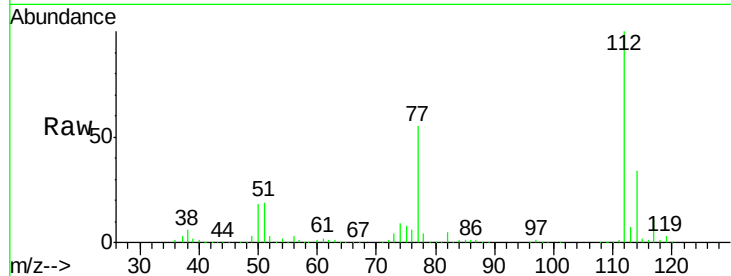
#65
Chlorobenzene
Concen: 20.74 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion:112 Resp: 204007
Ion Ratio Lower Upper
112 100
114 33.5 25.6 38.4

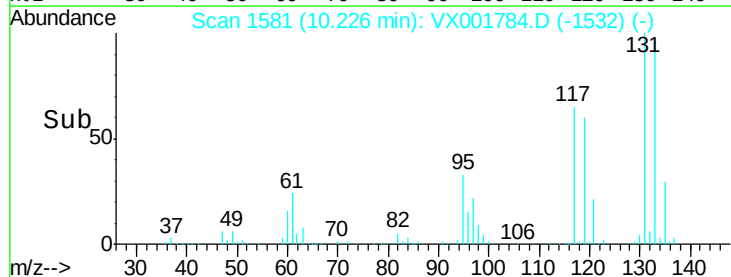
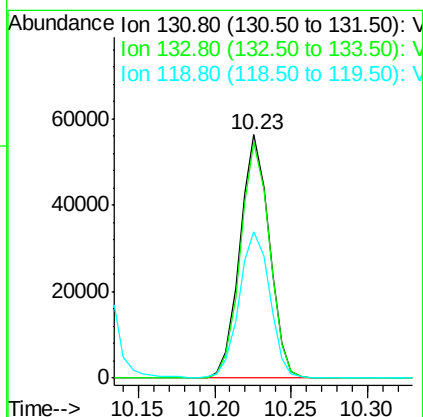
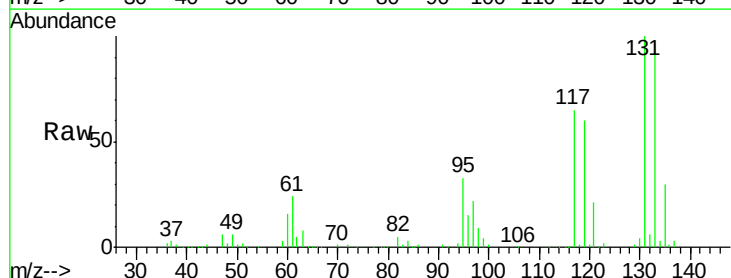
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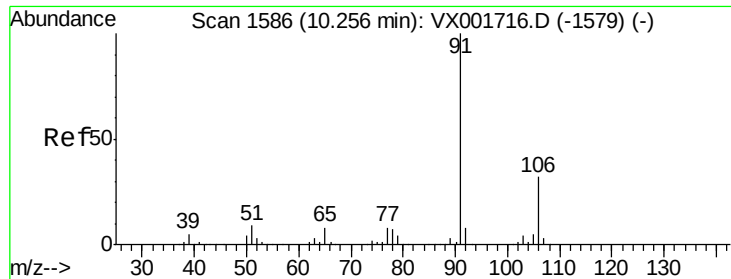
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.65 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion:131 Resp: 75191
Ion Ratio Lower Upper
131 100
133 96.2 48.5 145.6
119 62.9 31.9 95.5





#67

Ethyl Benzene

Concen: 21.24 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

Tot Ion: 91 Resp: 333888

Ion Ratio Lower Upper

91 100

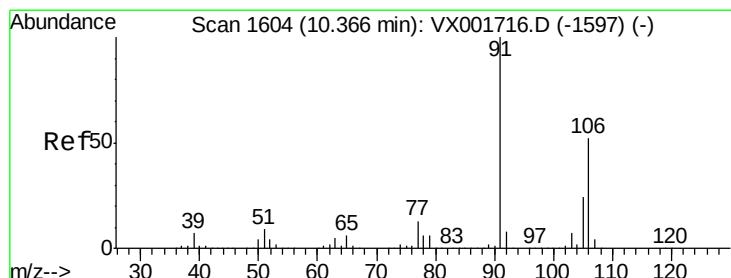
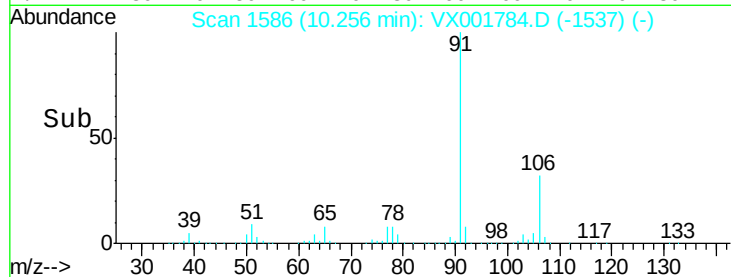
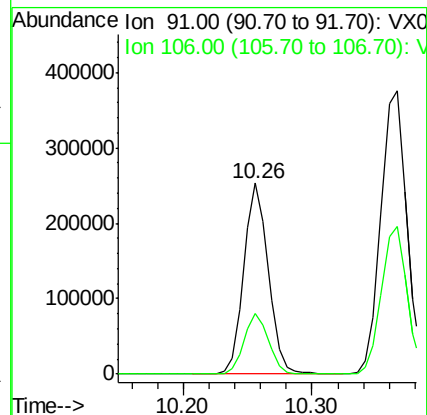
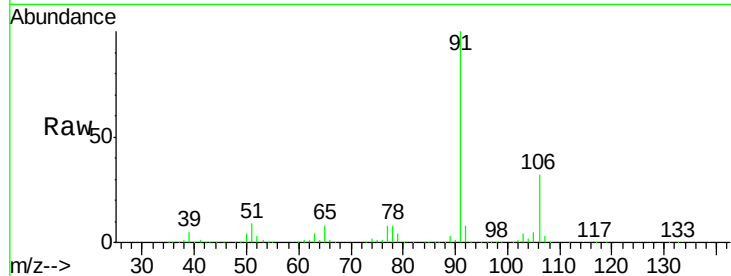
106 32.0 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 43.63 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001784.D

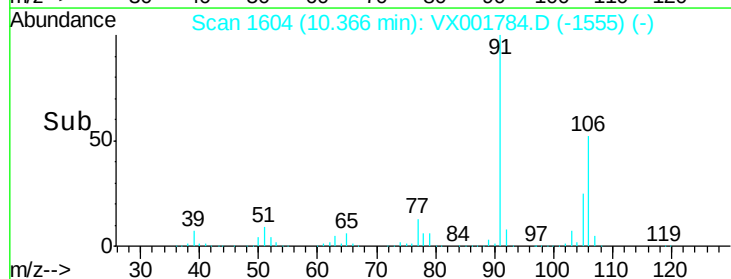
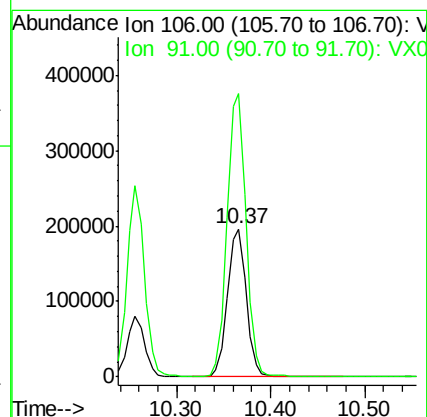
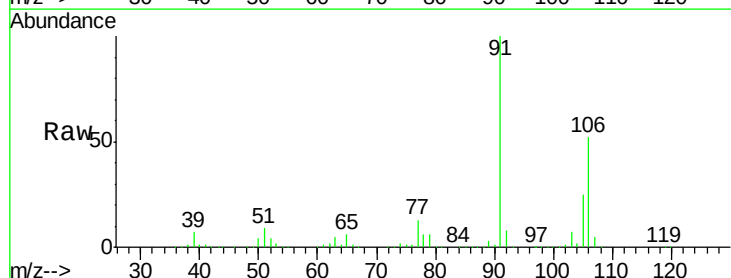
Acq: 17 May 2018 12:26

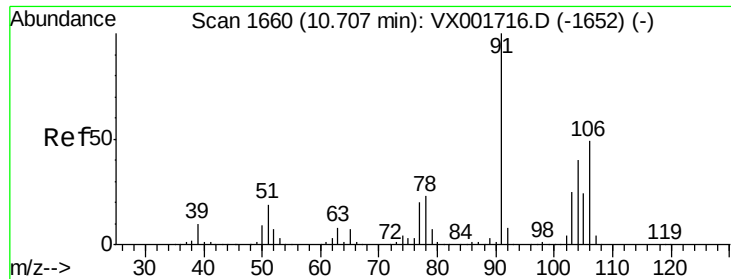
Tgt Ion: 106 Resp: 270545

Ion Ratio Lower Upper

106 100

91 193.9 155.4 233.2





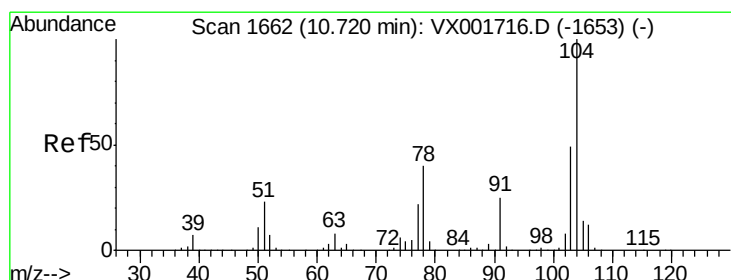
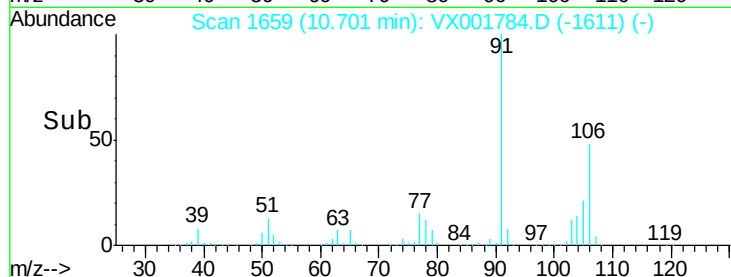
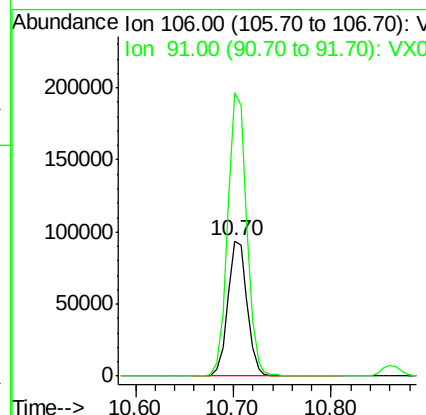
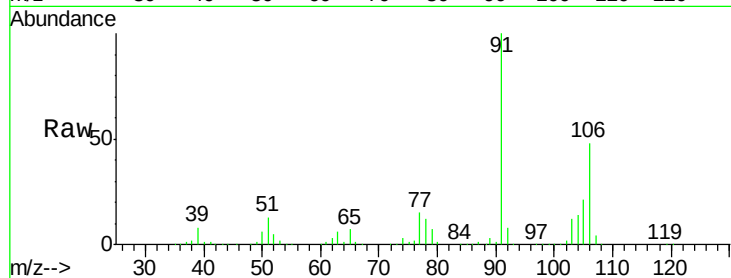
#69
o-Xylene
Concen: 21.62 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion:106 Resp: 128394
Ion Ratio Lower Upper
106 100
91 206.5 103.4 310.2

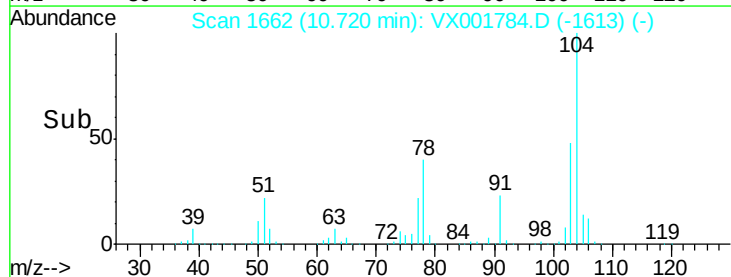
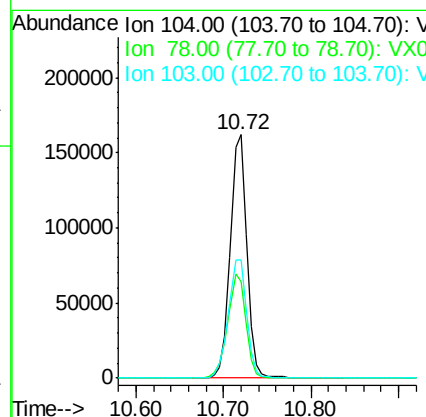
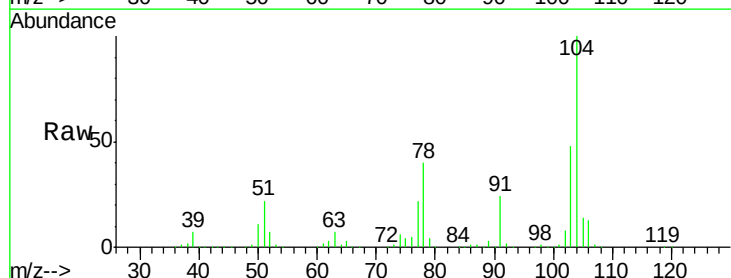
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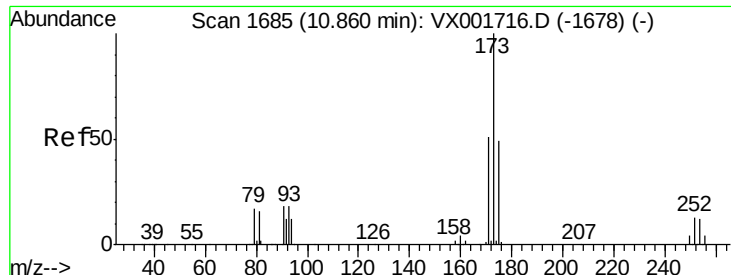
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5/21/2018 12:52:50 PM



#70
Styrene
Concen: 21.71 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion:104 Resp: 212601
Ion Ratio Lower Upper
104 100
78 46.8 37.3 55.9
103 54.3 43.7 65.5





#71

Bromoform

Concen: 19.87 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampled :

VX0517WBS01

Tot Ion:173 Resp: 58185

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.8

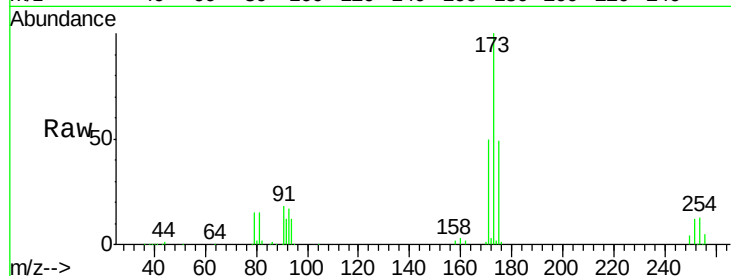
254 0.2 0.2 0.2

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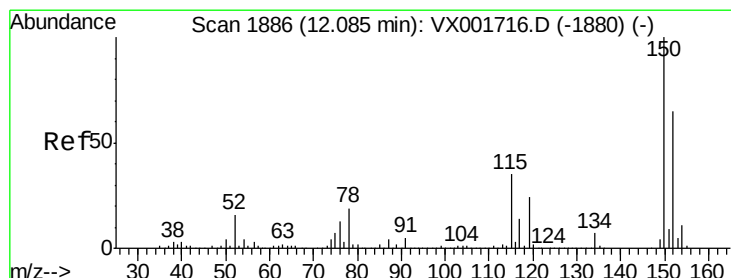
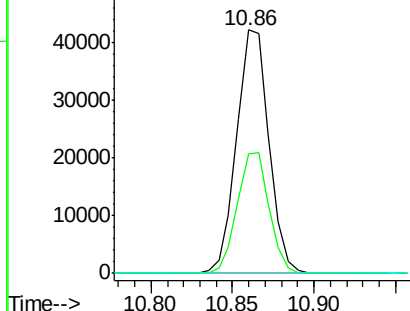
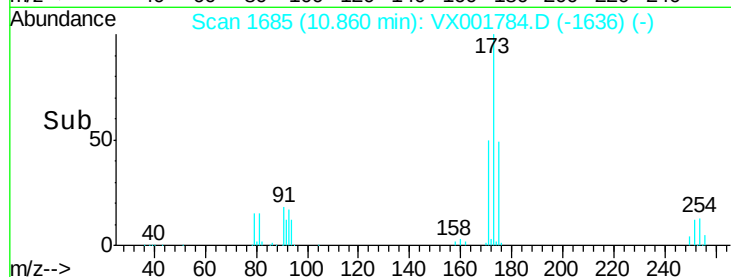
5/21/2018 12:52:50 PM



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: VX001784.D

Acq: 17 May 2018 12:26

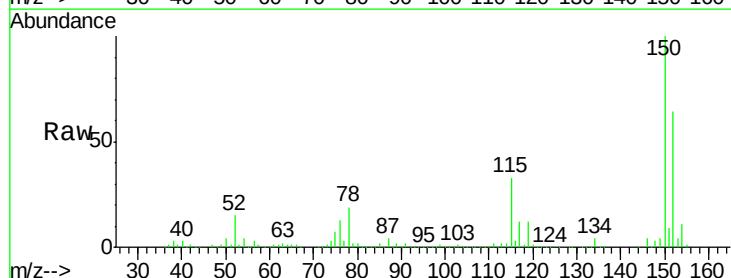
Tgt Ion:152 Resp: 232351

Ion Ratio Lower Upper

152 100

115 62.1 37.4 112.2

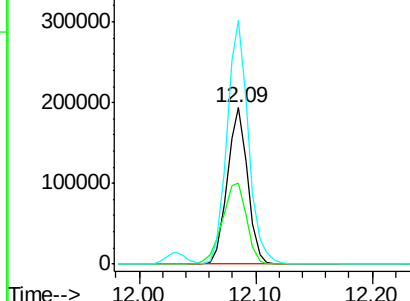
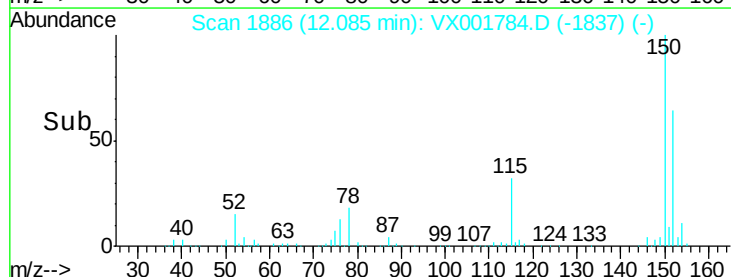
150 164.7 0.0 344.8

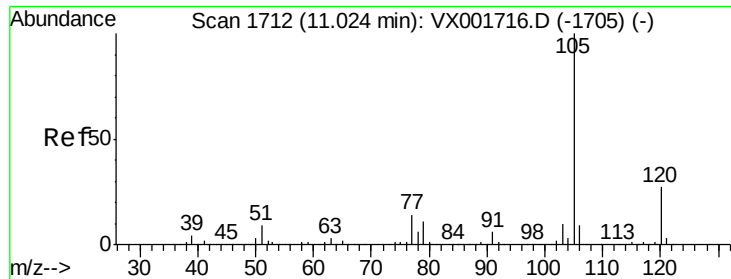


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.92 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

Tot Ion: 105 Resp: 350742

Ion Ratio Lower Upper

105 100

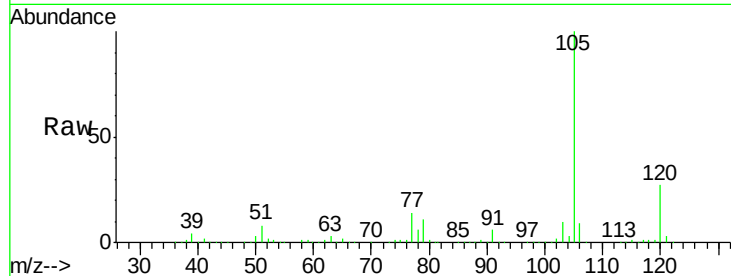
120 27.4 13.8 41.3

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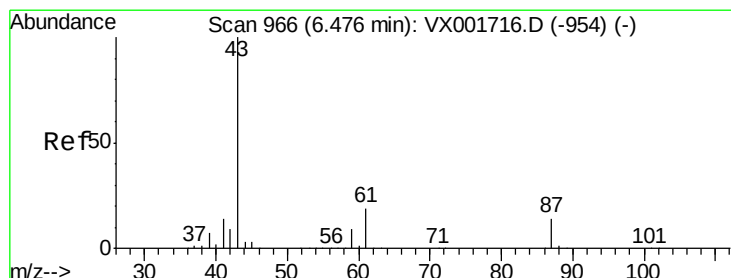
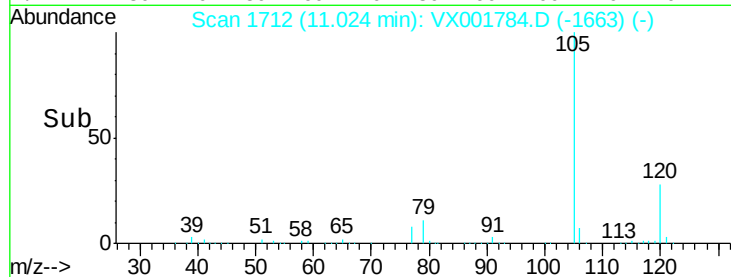
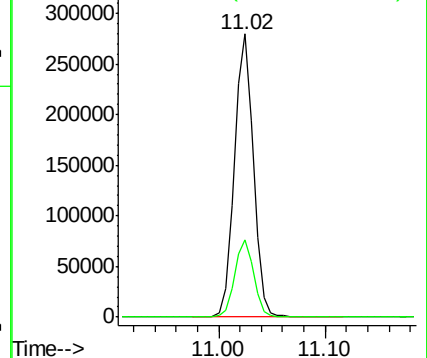
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.93 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Tgt Ion: 43 Resp: 160912

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

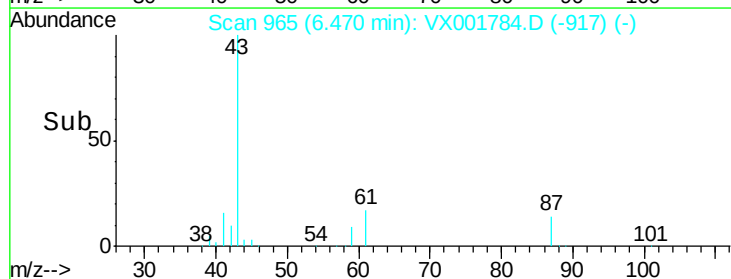
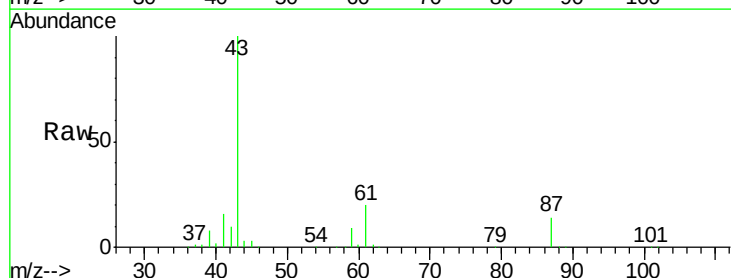
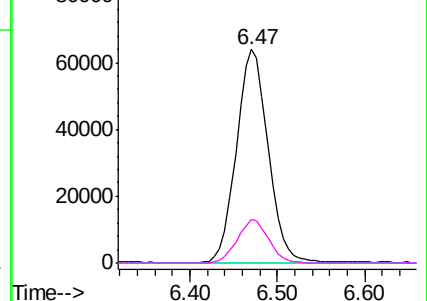
61 20.2 15.8 23.8

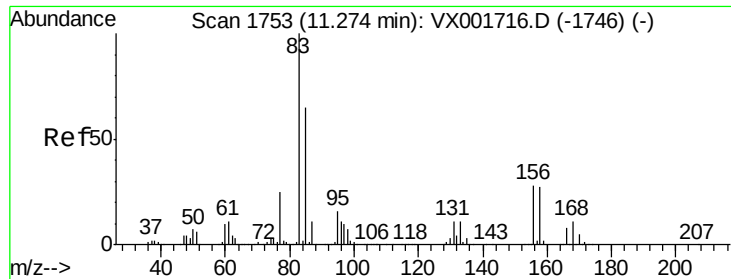
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.26 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

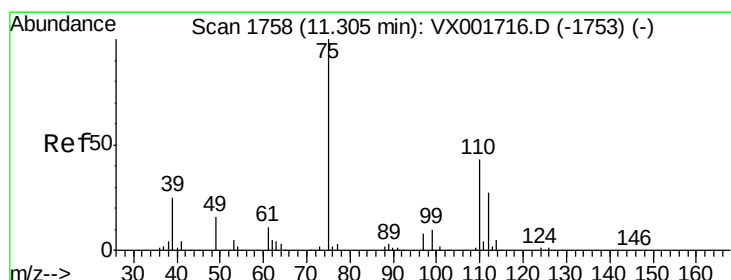
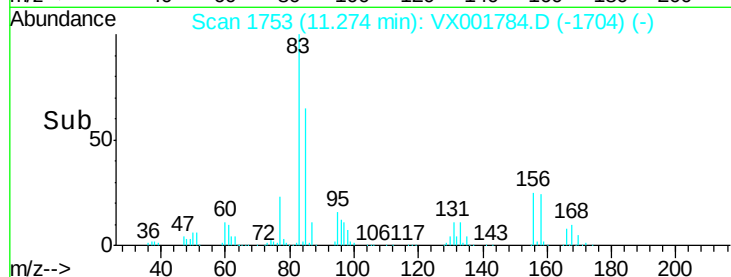
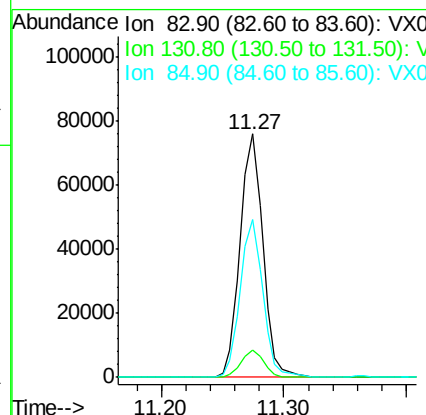
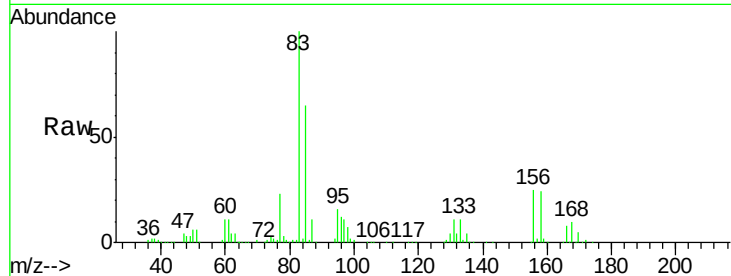
ClientSampleId :

VX0517WBS01

Tot Ion	83	Resp	97594
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.7	17.0
85	64.5	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 21.82 ug/l m

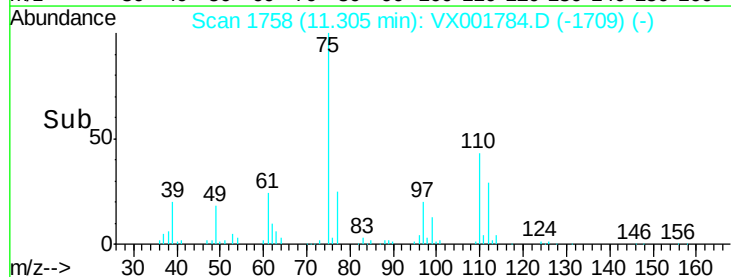
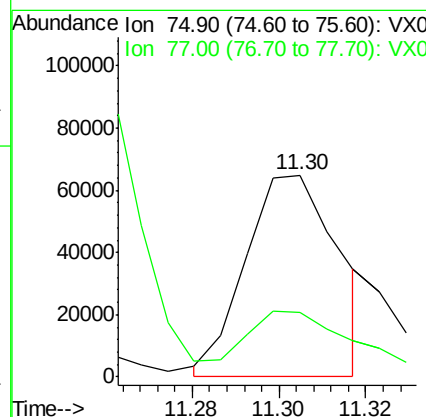
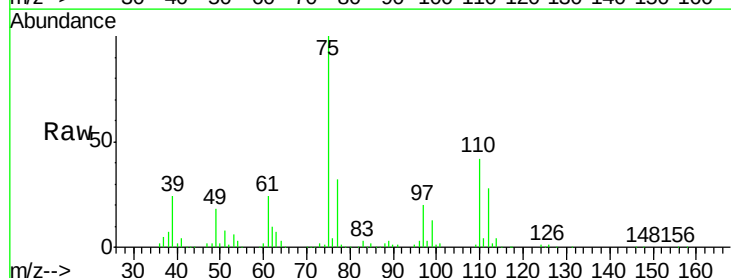
RT: 11.30 min Scan# 1758

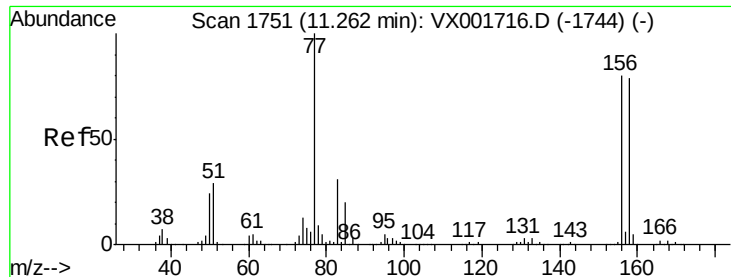
Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Tgt Ion	75	Resp	96412
Ion	Ratio	Lower	Upper
75	100		
77	39.2	18.9	56.7





#77

Bromobenzene

Concen: 21.85 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

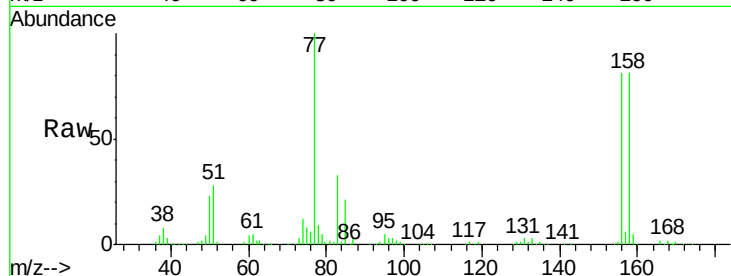
ClientSampleId :

VX0517WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		98262		
77	129.2	65.3	196.0		
158	98.2	49.1	147.3		

Manual Integrations
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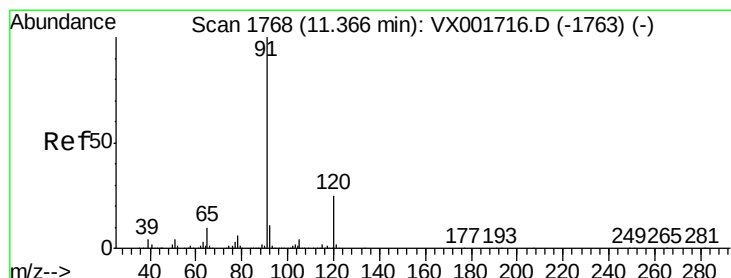
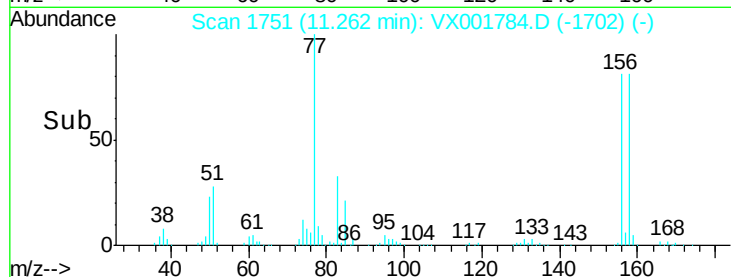
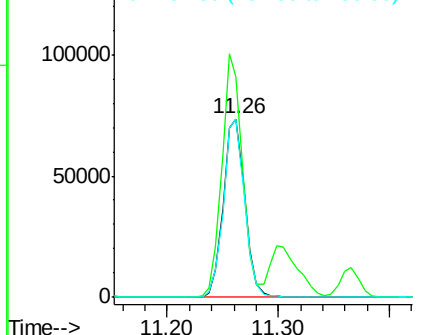
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.63 ug/l

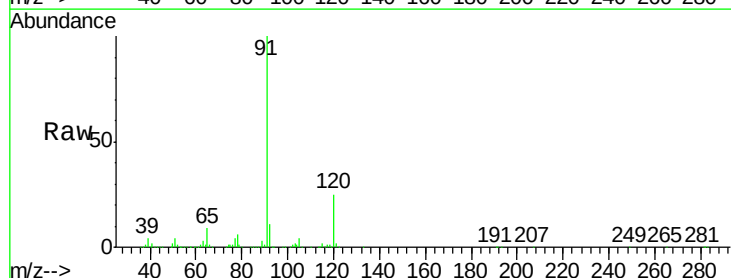
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001784.D

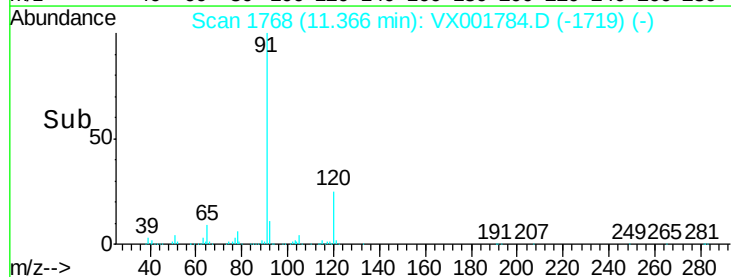
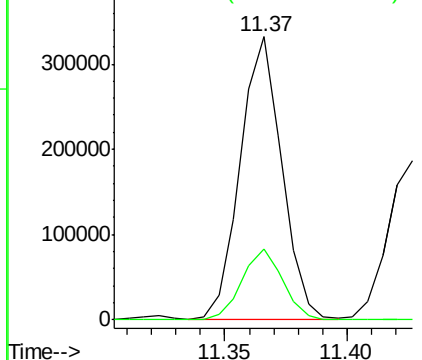
Acq: 17 May 2018 12:26

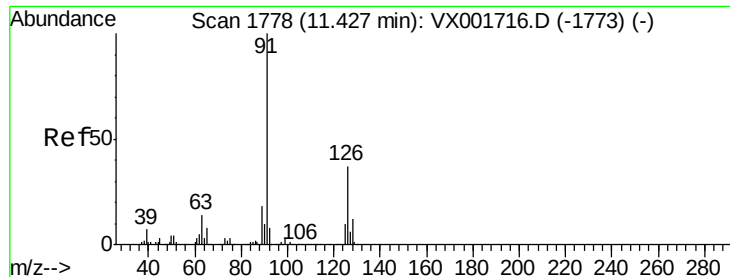
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		390193		
120	24.9	12.5	37.5		



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.53 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

Tot Ion: 91 Resp: 232286

Ion Ratio Lower Upper

91 100

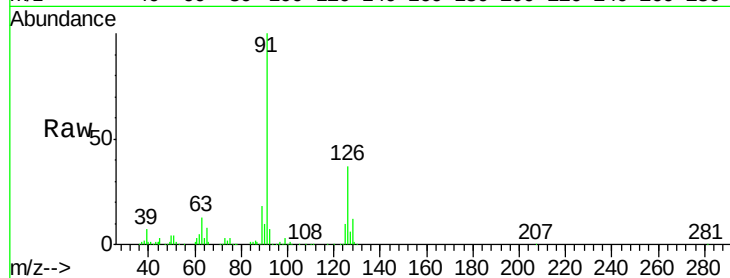
126 36.8 18.4 55.4

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Abundance Ion 91.00 (90.70 to 91.70): VX001716.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001716.D (-1773) (-)

300000

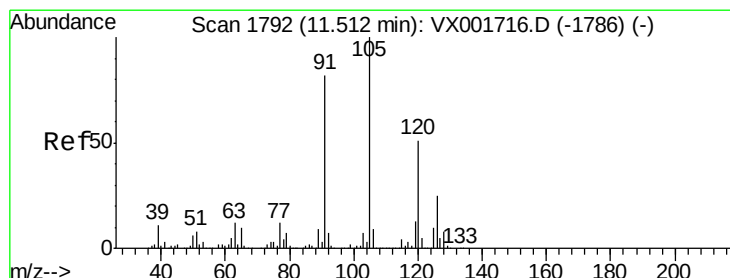
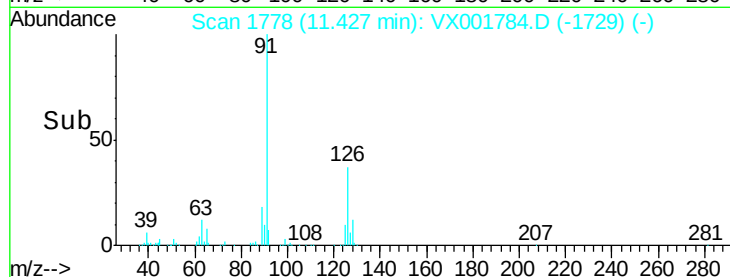
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.27 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001784.D

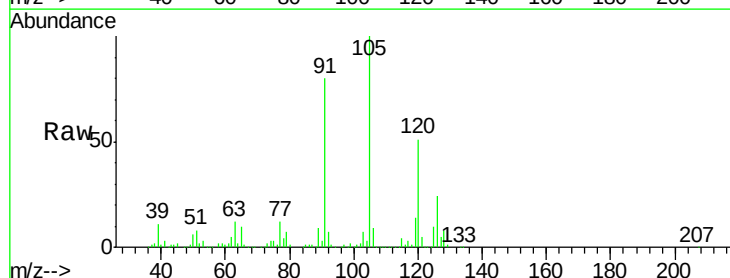
Acq: 17 May 2018 12:26

Tgt Ion: 105 Resp: 292061

Ion Ratio Lower Upper

105 100

120 51.5 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VX001716.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001716.D (-1786) (-)

250000

200000

150000

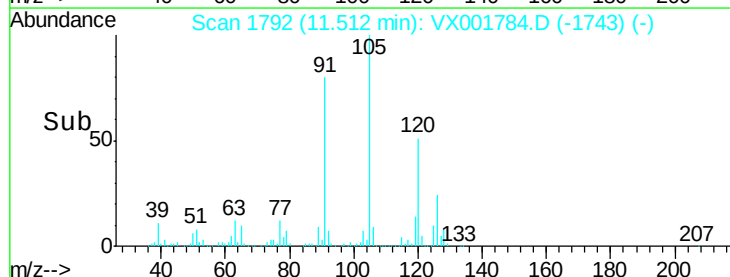
100000

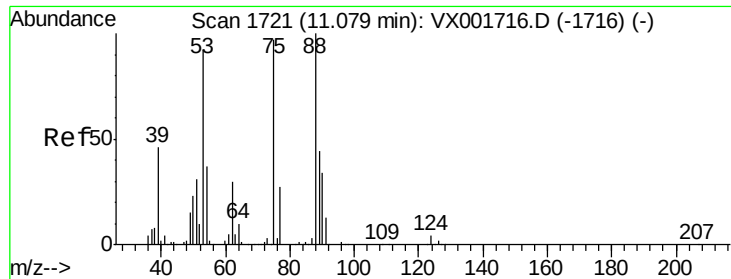
50000

0

11.50 11.60

Time-->





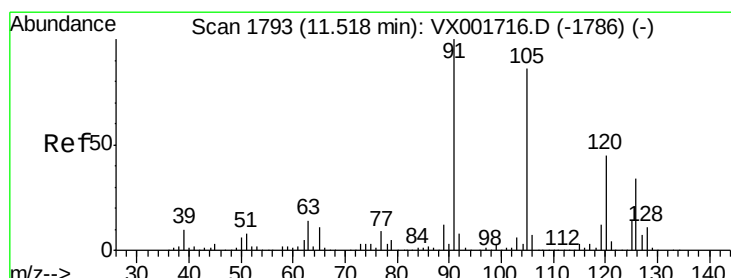
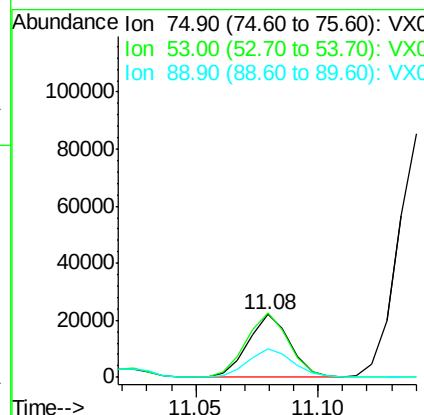
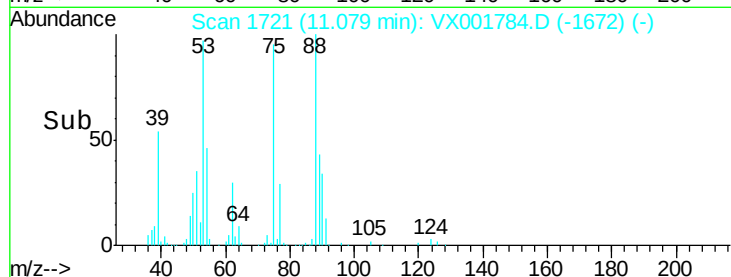
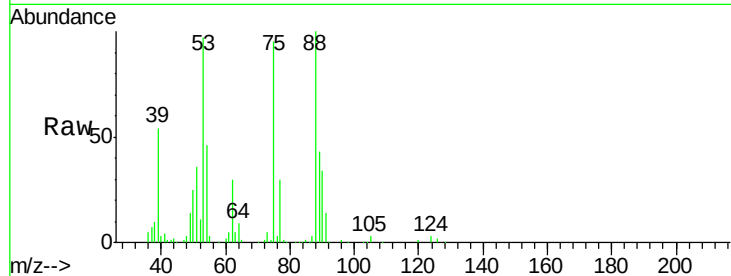
#81
trans-1,4-Dichloro-2-butene
Concen: 19.78 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	79.4	119.2
89	49.5	38.8	58.2

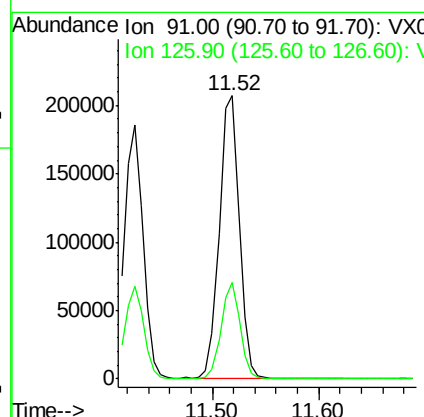
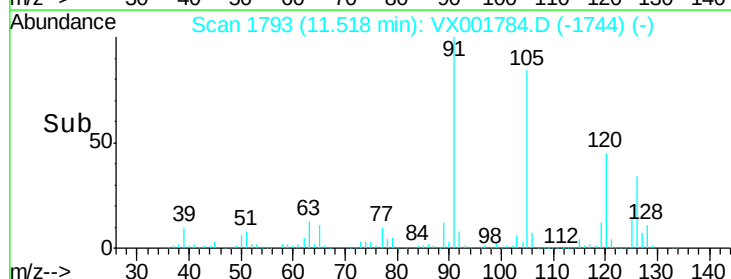
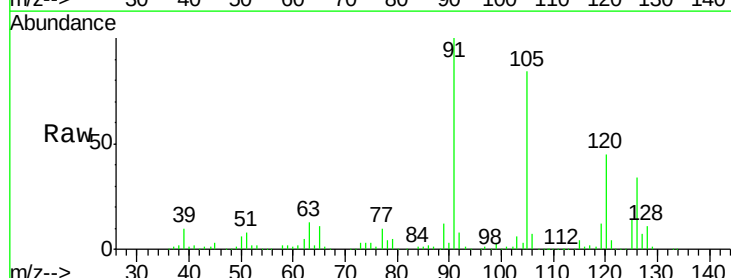
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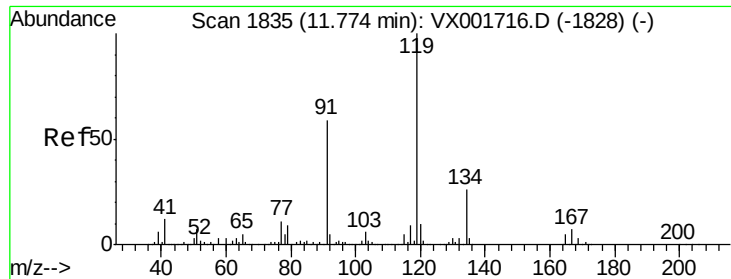
MMDadoda
5/21/2018 12:52:50 PM



#82
4-Chlorotoluene
Concen: 22.23 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.1





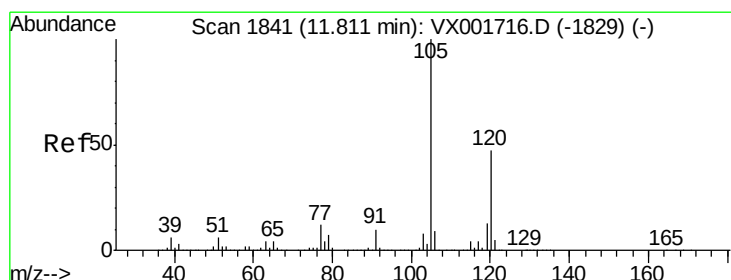
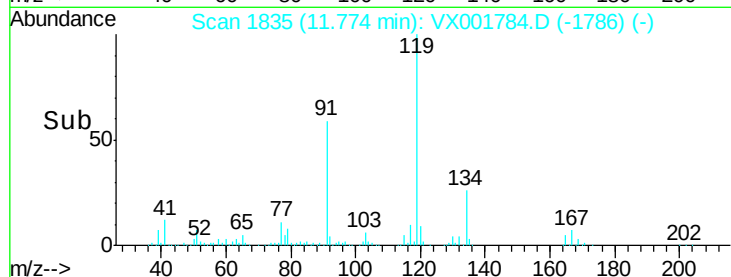
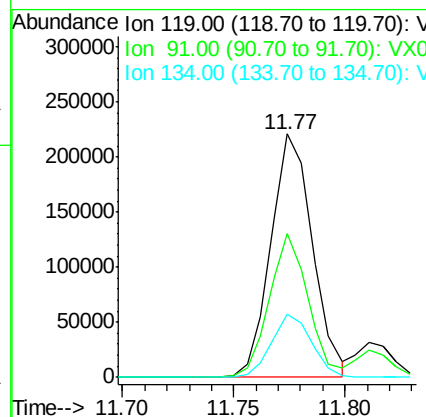
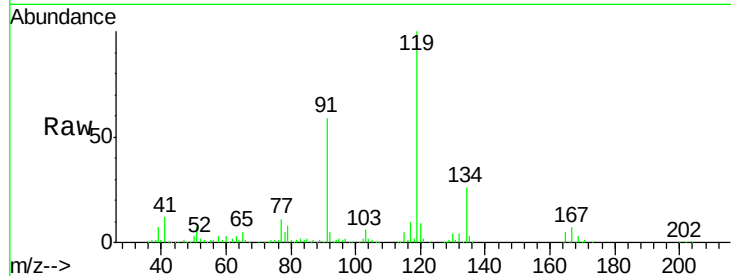
#83
 tert-Butylbenzene
 Concen: 22.90 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.3	27.7	83.0
134	25.2	12.7	38.1

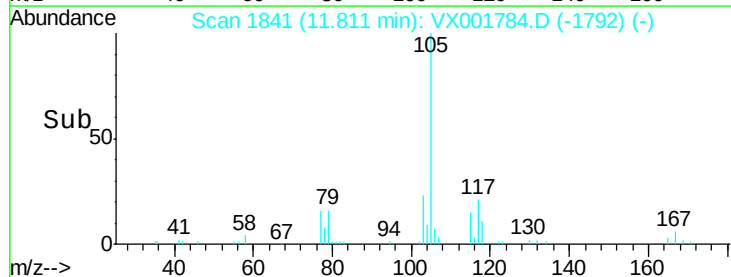
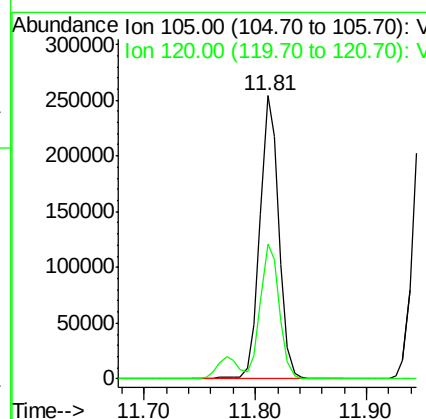
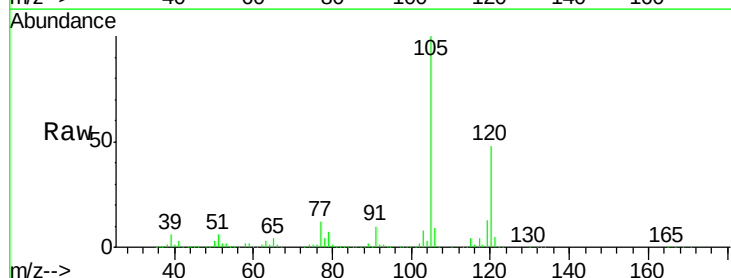
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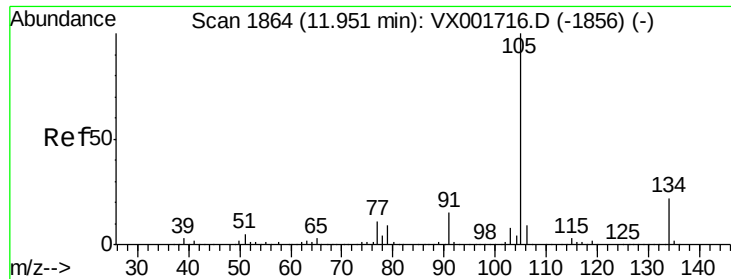
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.14 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.5	70.5





#85

sec-Butylbenzene

Concen: 22.96 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS01

Tot Ion:105 Resp: 353988

Ion Ratio Lower Upper

105 100

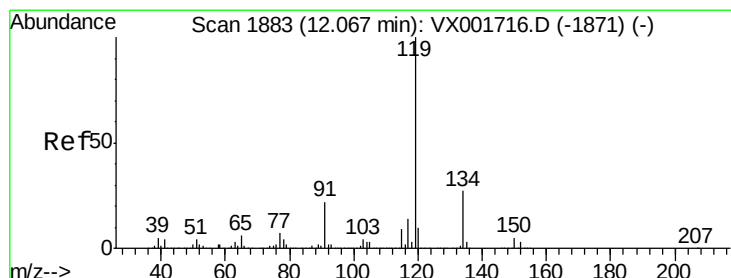
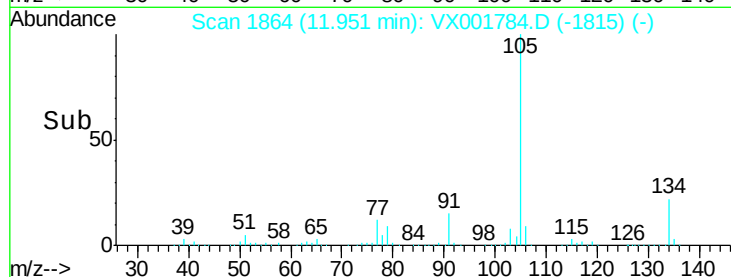
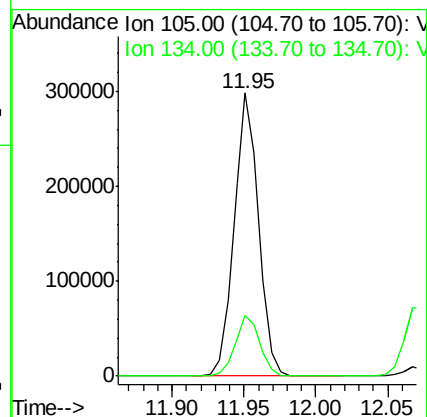
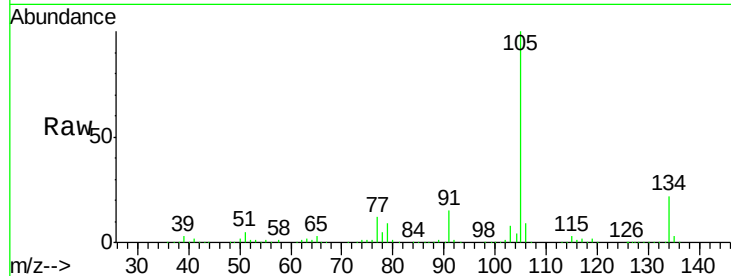
134 21.6 10.9 32.6

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#86

p-Isopropyltoluene

Concen: 22.97 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

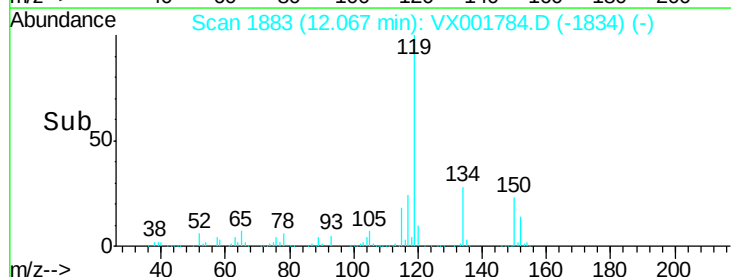
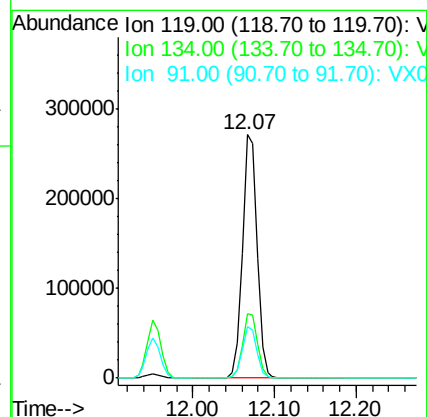
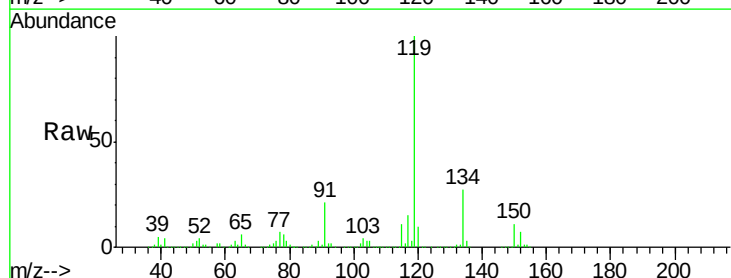
Tgt Ion:119 Resp: 327758

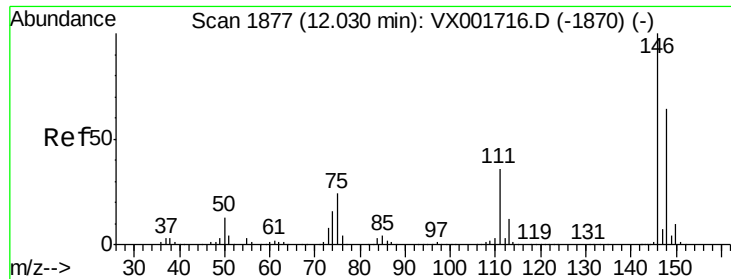
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 21.2 10.7 32.1





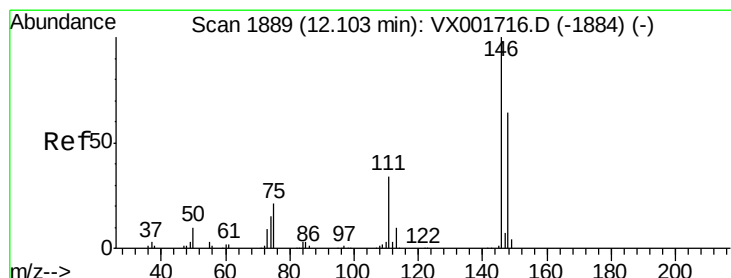
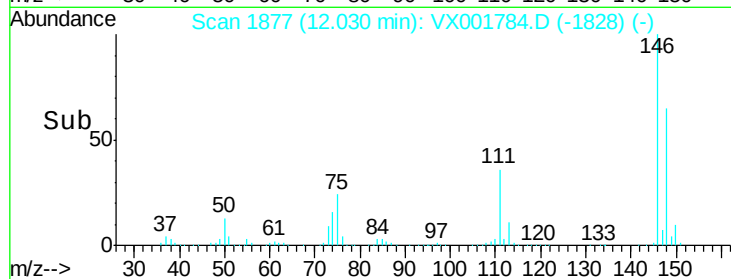
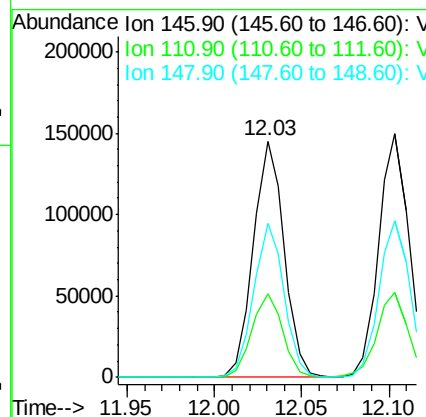
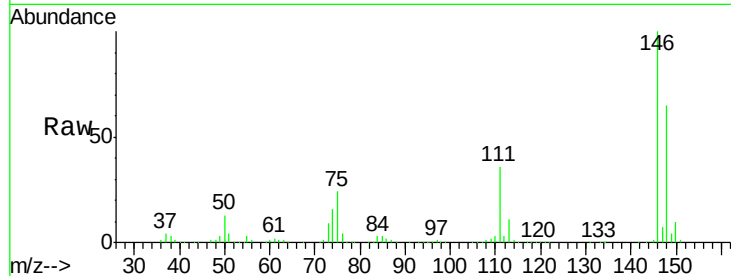
#87
 1,3-Dichlorobenzene
 Concen: 21.38 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Instrument :
 MSVOA_X
 ClientSampled :
 VX0517WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.8	53.4
148	64.3	32.1	96.3

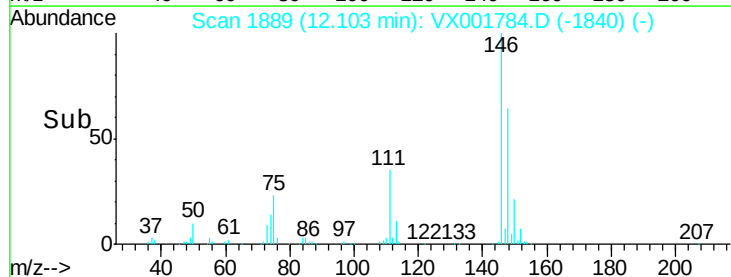
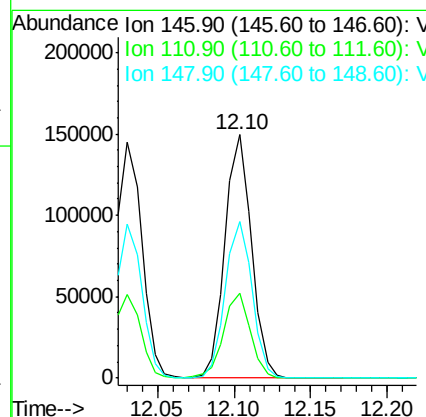
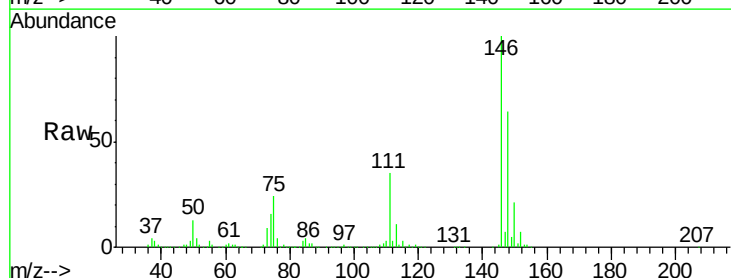
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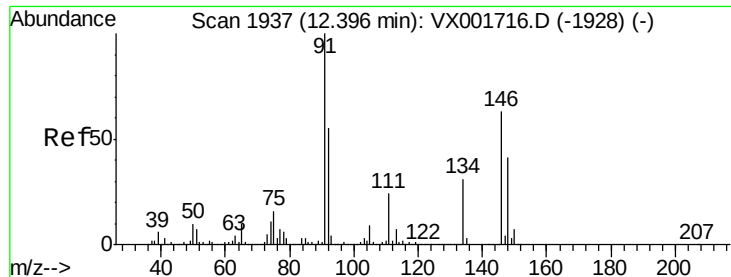
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#88
 1,4-Dichlorobenzene
 Concen: 20.92 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	17.3	52.0
148	65.6	32.3	96.9





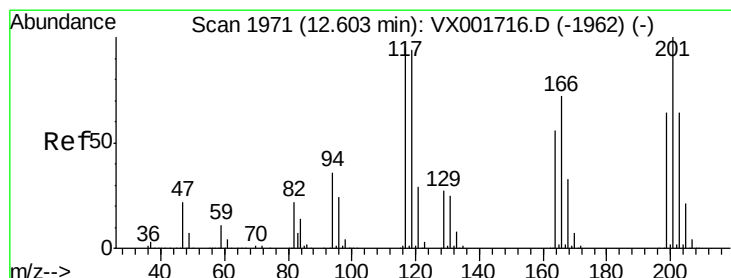
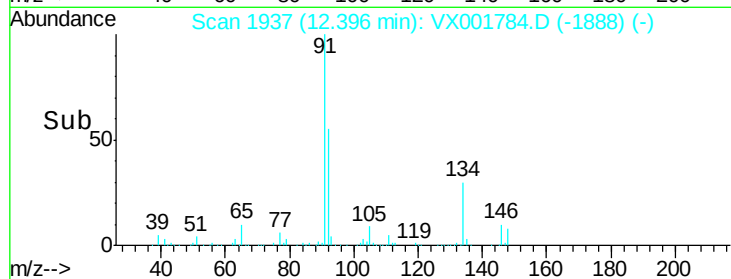
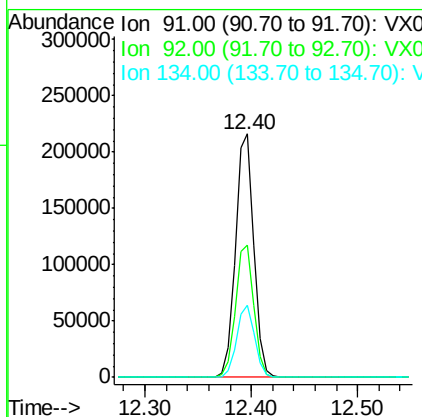
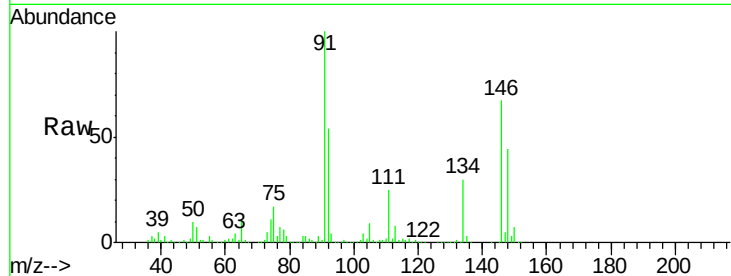
#89
n-Butylbenzene
Concen: 21.13 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	260783		
92	54.5	27.3	81.9	
134	29.3	14.7	44.1	

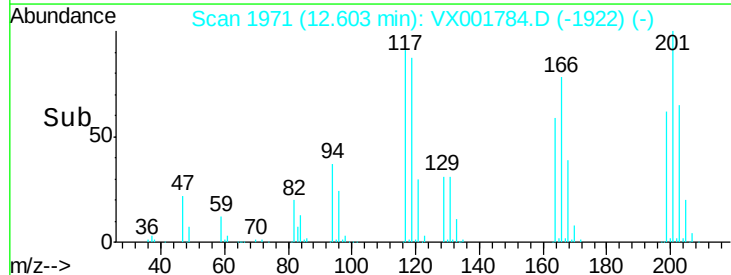
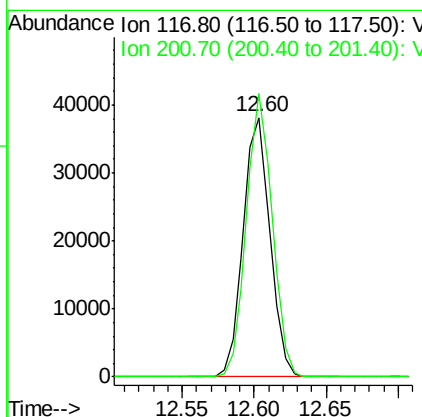
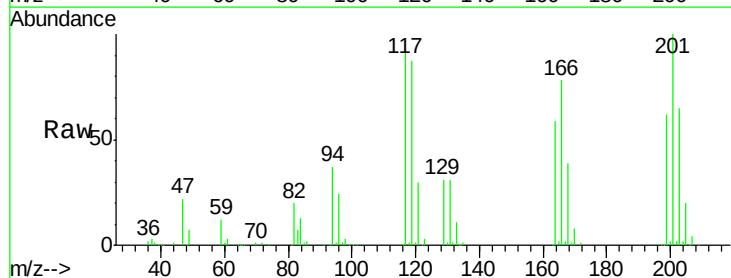
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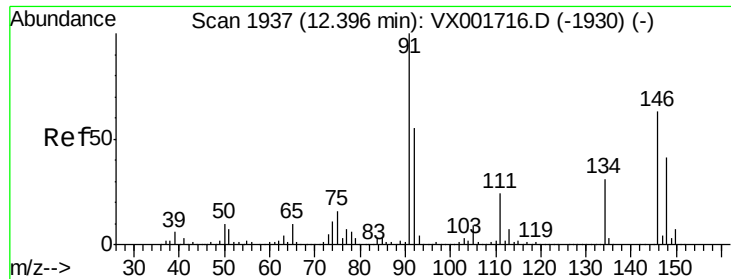
MMDadoda
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#90
Hexachloroethane
Concen: 22.19 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001784.D
Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49164		
201	105.1	51.9	155.7	





#91

1,2-Dichlorobenzene

Concen: 21.62 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

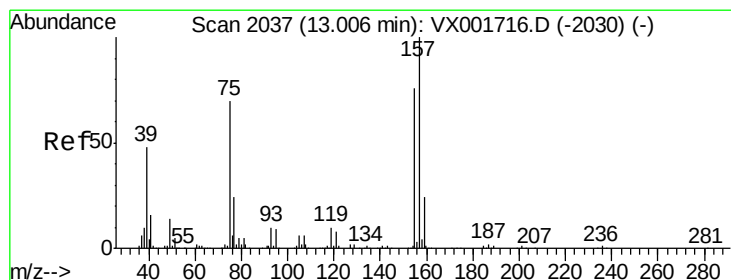
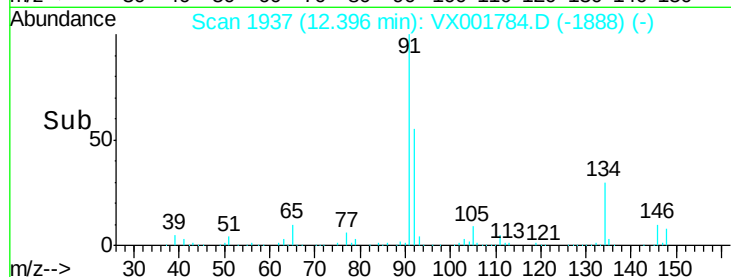
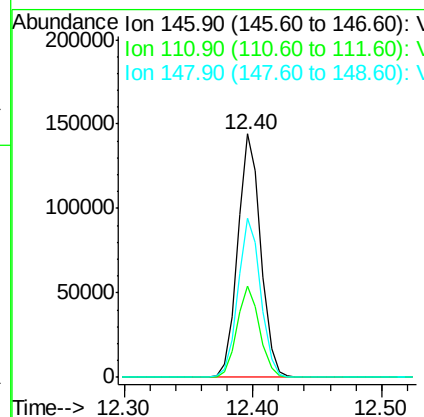
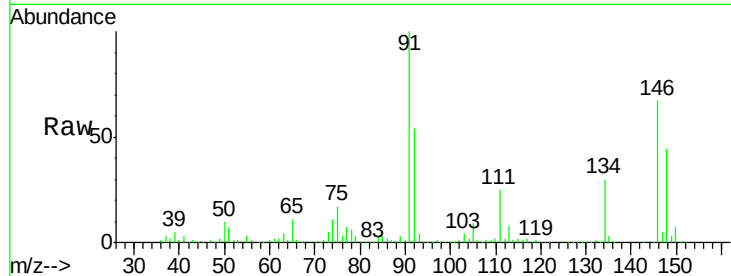
ClientSampleId :

VX0517WBS01

Tot Ion:	146	Resp:	179092
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.6	56.0
148	64.9	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.11 ug/l

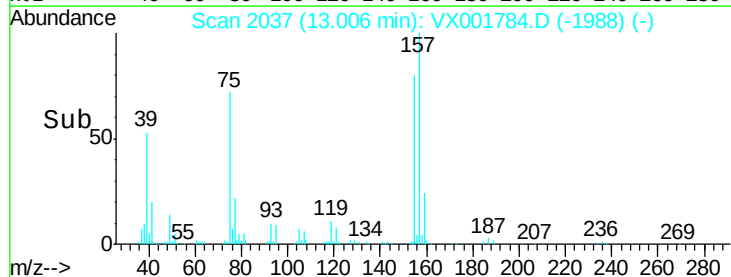
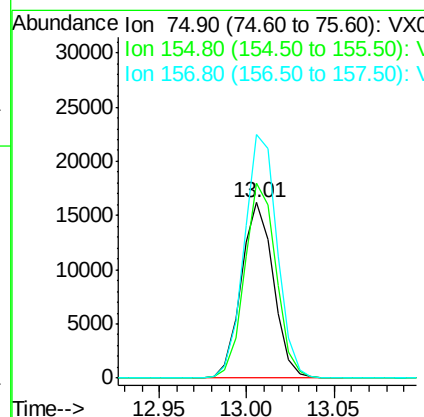
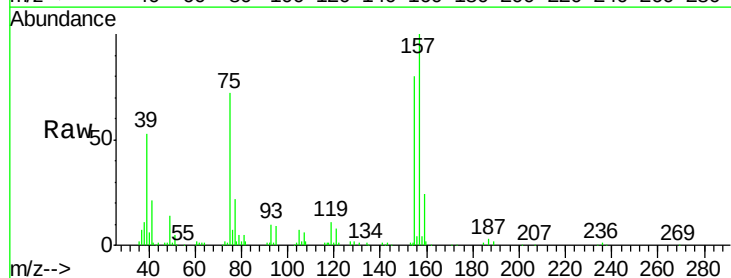
RT: 13.01 min Scan# 2037

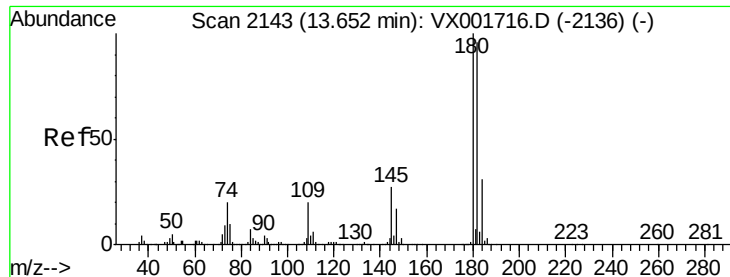
Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Tgt Ion:	75	Resp:	20678
Ion Ratio	Lower	Upper	
75	100		
155	109.1	53.9	161.8
157	142.0	71.0	213.2





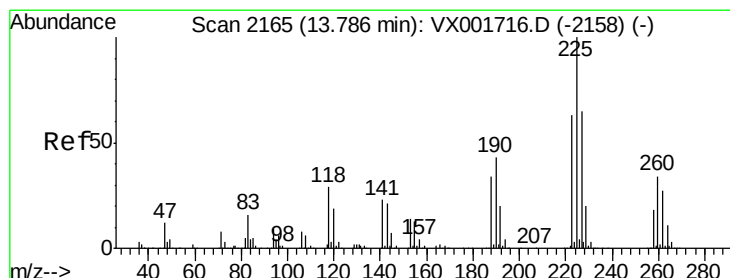
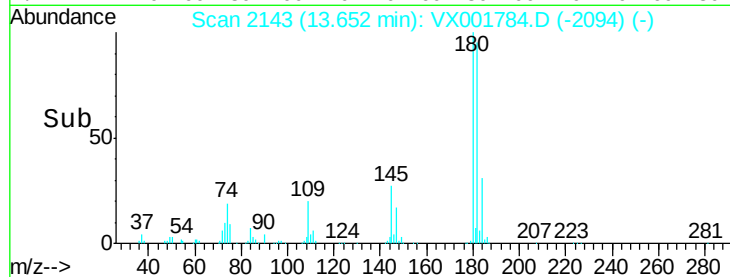
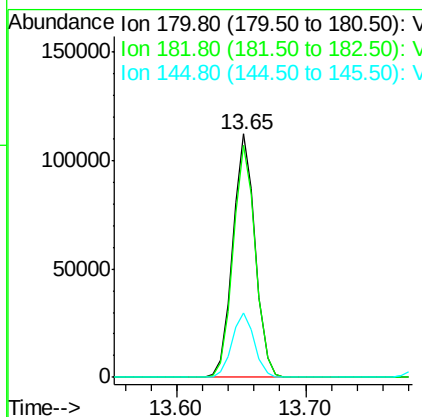
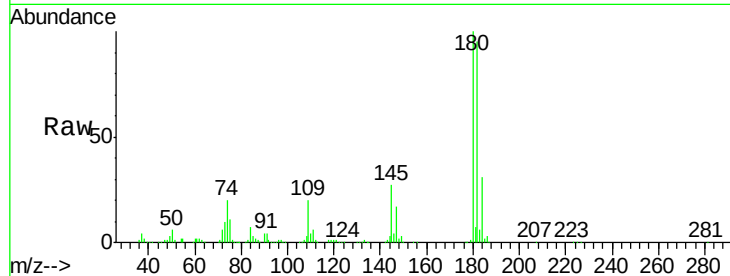
#93
 1,2,4-Trichlorobenzene
 Concen: 20.55 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	135685		
182	95.3	47.6	142.9	
145	26.6	13.4	40.1	

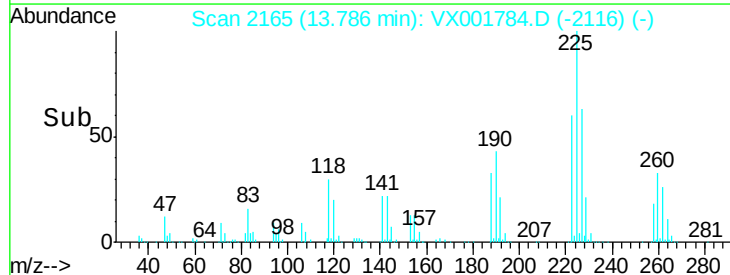
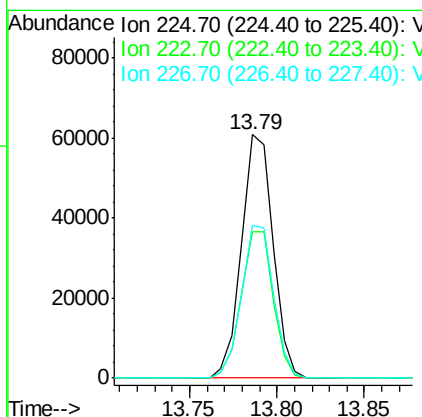
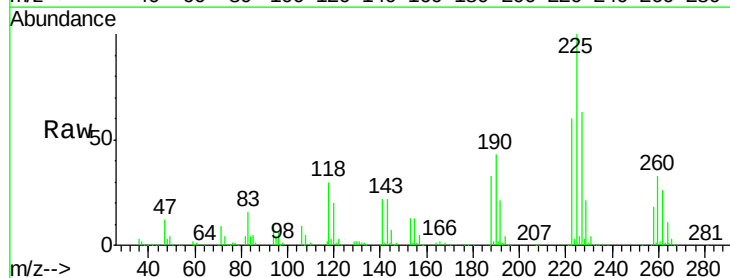
Manual Integrations
 APPROVED

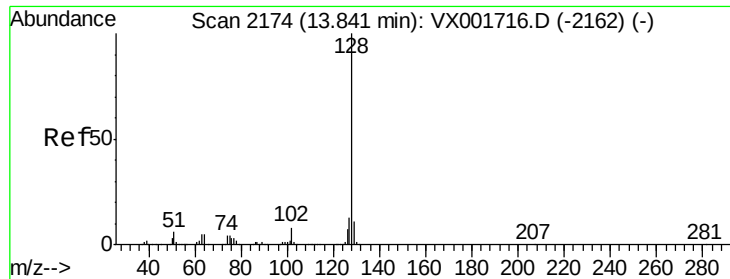
MMDadoda
 5/21/2018 12:52:50 PM



#94
 Hexachlorobutadiene
 Concen: 21.62 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001784.D
 Acq: 17 May 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76664		
223	61.3	31.1	93.5	
227	63.5	31.9	95.5	





#95

Naphthalene

Concen: 21.28 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Instrument :

MSVOA_X

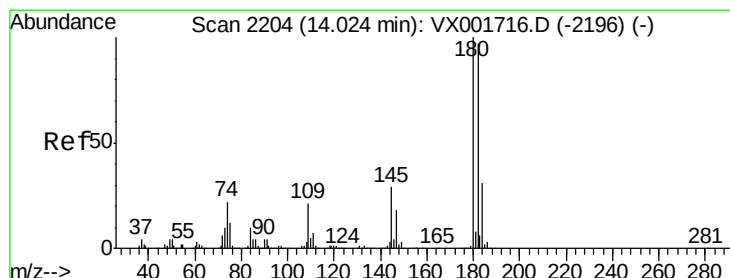
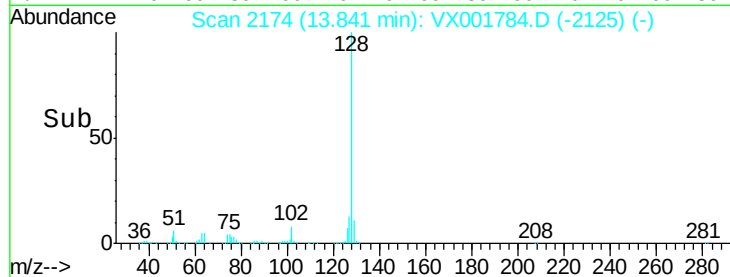
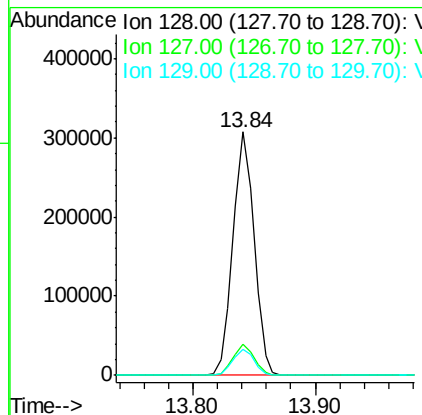
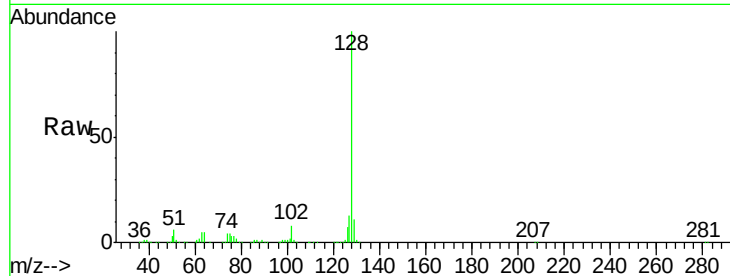
ClientSampleId :

VX0517WBS01

Tot Ion:	128	Resp:	365352
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/21/2018 12:52:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.79 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001784.D

Acq: 17 May 2018 12:26

Tgt Ion:	180	Resp:	138244
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.9	143.7
145	28.3	14.2	42.8

