

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001842.D
 Acq On : 18 May 2018 22:27
 Operator : JC/MD
 Sample : VX0518WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:37 PM

Quant Time: May 19 05:16:08 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	279953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	363439	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	289745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	186170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	182595	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	5.51	113	161779	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	8.72	98	601940	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
62) 4-Bromofluorobenzene	11.14	95	180228	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	51777	18.43	ug/l	97
3) Chloromethane	1.32	50	62646	20.64	ug/l	97
4) Vinyl Chloride	1.40	62	65664	20.01	ug/l	97
5) Bromomethane	1.64	94	32996	22.13	ug/l	99
6) Chloroethane	1.72	64	43217	20.91	ug/l	99
7) Trichlorofluoromethane	1.93	101	91824	19.26	ug/l	98
8) Diethyl Ether	2.19	74	39372	20.06	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	56595	19.72	ug/l	98
10) Methyl Iodide	2.51	142	65480	24.80	ug/l	99
11) Tert butyl alcohol	3.08	59	76143	114.29	ug/l	100
12) 1,1-Dichloroethene	2.37	96	53696	19.41	ug/l	97
13) Acrolein	2.29	56	38450	81.38	ug/l	98
14) Allyl chloride	2.73	41	102779	20.10	ug/l	96
15) Acrylonitrile	3.15	53	182124	108.84	ug/l	100
16) Acetone	2.45	43	152591	103.53	ug/l	97
17) Carbon Disulfide	2.57	76	118321	16.39	ug/l	99
18) Methyl Acetate	2.78	43	99925	23.19	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	190527	20.43	ug/l	99
20) Methylene Chloride	2.86	84	62815	19.91	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	57688	18.93	ug/l	100
22) Diisopropyl ether	3.88	45	205208	20.91	ug/l	98
23) Vinyl Acetate	3.83	43	667572	94.43	ug/l	99
24) 1,1-Dichloroethane	3.70	63	111208	20.67	ug/l	99
25) 2-Butanone	4.72	43	253616	112.40	ug/l	96
26) 2,2-Dichloropropane	4.59	77	67744	15.64	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	70101	20.21	ug/l	100
28) Bromochloromethane	5.03	49	56883	23.80	ug/l	99
29) Tetrahydrofuran	5.18	42	164763	112.02	ug/l	100
30) Chloroform	5.22	83	117328	20.76	ug/l	100
31) Cyclohexane	5.58	56	92558	19.62	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	99181	20.31	ug/l	100
36) 1,1-Dichloropropene	5.80	75	79744	19.06	ug/l	99
37) Ethyl Acetate	4.87	43	94063	21.57	ug/l	99
38) Carbon Tetrachloride	5.79	117	88297	20.15	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	93512	19.13	ug/l	98
40) Benzene	6.15	78	262783	21.32	ug/l	99
41) Methacrylonitrile	5.07	41	54337	21.55	ug/l	98
42) 1,2-Dichloroethane	6.20	62	90078	20.21	ug/l	98
43) Isopropyl Acetate	6.48	43	139637	20.46	ug/l	99
44) Trichloroethene	7.22	130	78715	20.57	ug/l	99
45) 1,2-Dichloropropane	7.52	63	65591	21.68	ug/l	98
46) Dibromomethane	7.67	93	43800	20.62	ug/l	96
47) Bromodichloromethane	7.90	83	82589	20.95	ug/l	98
48) Methyl methacrylate	7.79	41	74262	20.67	ug/l	97
49) 1,4-Dioxane	7.76	88	34901	504.64	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	496230	114.75	ug/l	100
52) Toluene	8.79	92	171242	21.62	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	92757	20.00	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	79329	19.41	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	59664	19.71	ug/l	99
56) Ethyl methacrylate	9.19	69	80052	18.64	ug/l	99
57) 1,3-Dichloropropane	9.38	76	97025	19.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	242739	109.90	ug/l	99
59) 2-Hexanone	9.51	43	317885	102.68	ug/l	99
60) Dibromochloromethane	9.59	129	59891	19.32	ug/l	99
61) 1,2-Dibromoethane	9.68	107	61463	19.39	ug/l	99
64) Tetrachloroethene	9.34	164	78021	20.69	ug/l	99
65) Chlorobenzene	10.14	112	162032	20.33	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	60078	21.34	ug/l	100
67) Ethyl Benzene	10.26	91	258569	20.30	ug/l	99
68) m/p-Xylenes	10.37	106	211222	42.03	ug/l	98
69) o-Xylene	10.71	106	100765	20.94	ug/l	100
70) Styrene	10.72	104	165706	20.88	ug/l	99
71) Bromoform	10.87	173	46936	19.80	ug/l #	99
73) Isopropylbenzene	11.02	105	271913	22.18	ug/l	99
74) N-amyl acetate	6.48	43	139637	23.76	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	82576	22.45	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	78969m	22.31	ug/l	
77) Bromobenzene	11.26	156	78444	21.77	ug/l	98
78) n-propylbenzene	11.37	91	291346	21.09	ug/l	99
79) 2-Chlorotoluene	11.43	91	179374	21.71	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	225264	22.40	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18576	17.91	ug/l	93
82) 4-Chlorotoluene	11.52	91	203666	20.93	ug/l	100
83) tert-Butylbenzene	11.77	119	220704	22.05	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	232042	22.28	ug/l	100
85) sec-Butylbenzene	11.95	105	268270	21.71	ug/l	99
86) p-Isopropyltoluene	12.07	119	242817	21.24	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	136370	20.47	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	137837	20.01	ug/l	100
89) n-Butylbenzene	12.40	91	183442	18.55	ug/l	99
90) Hexachloroethane	12.60	117	38324	21.58	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	141374	21.30	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17310	22.05	ug/l	98

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ClientSampleId :
VX0518WBSD01

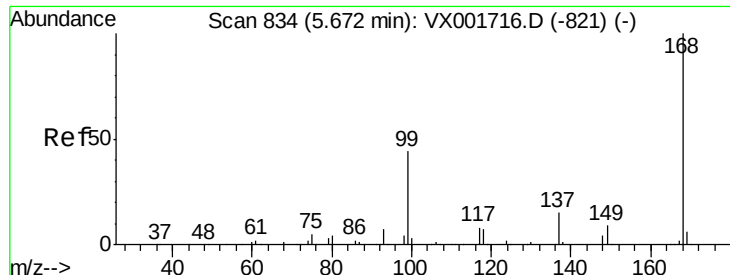
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	97153	18.36	ug/l	98
94) Hexachlorobutadiene	13.79	225	54604	19.22	ug/l	98
95) Naphthalene	13.84	128	288700	20.99	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	106258	19.94	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD01

Tot Ion:168 Resp: 279953

Ion Ratio Lower Upper

168 100

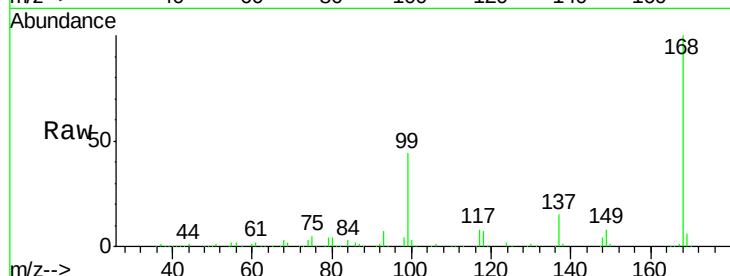
99 43.8 35.0 52.4

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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

80000

60000

40000

20000

0

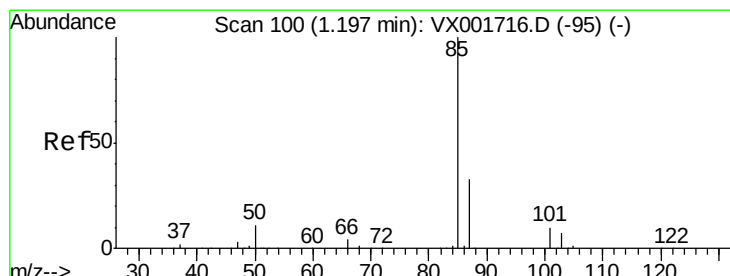
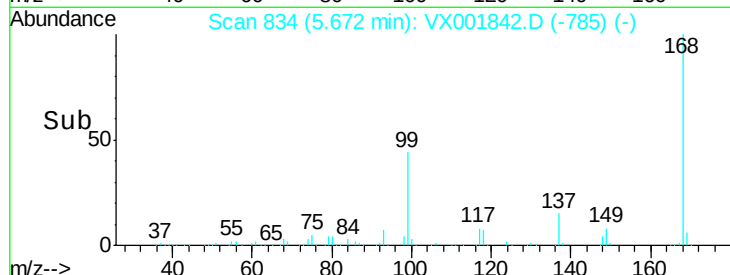
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 18.43 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001842.D

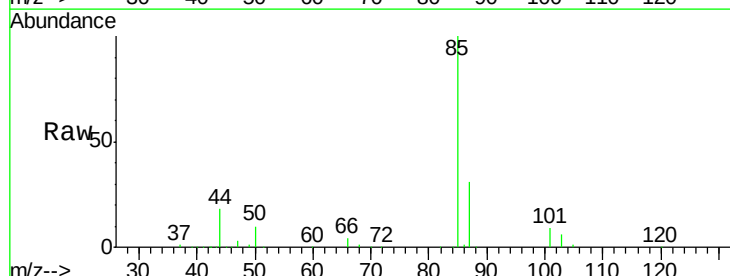
Acq: 18 May 2018 22:27

Tgt Ion: 85 Resp: 51777

Ion Ratio Lower Upper

85 100

87 31.2 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

60000

50000

40000

30000

20000

10000

0

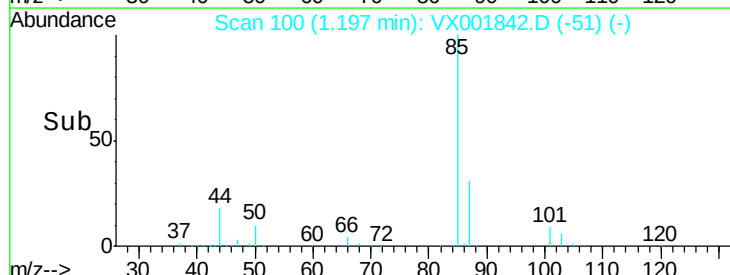
Time-->

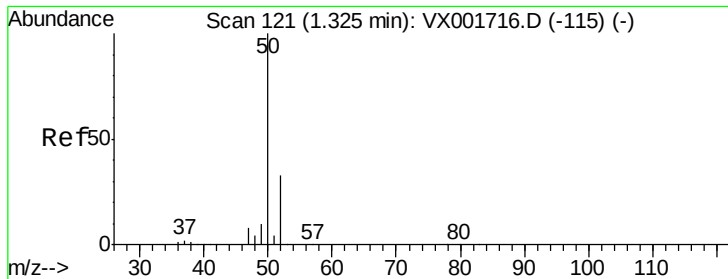
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 20.64 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD01

Tot Ion: 50 Resp: 62646

Ion Ratio Lower Upper

50 100

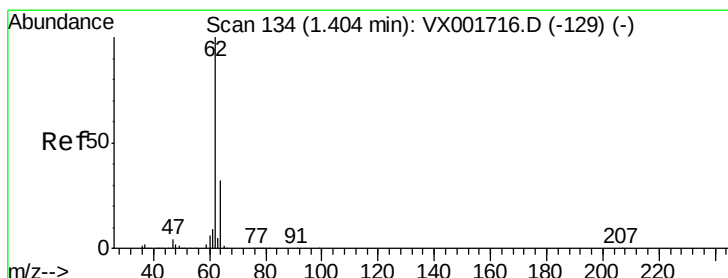
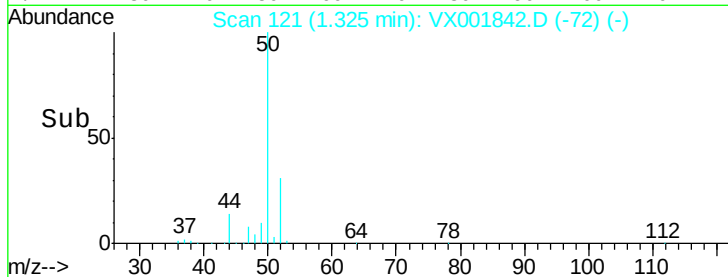
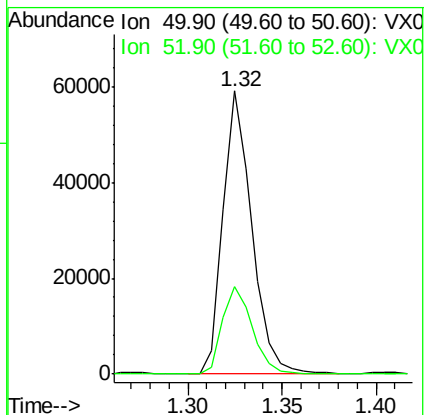
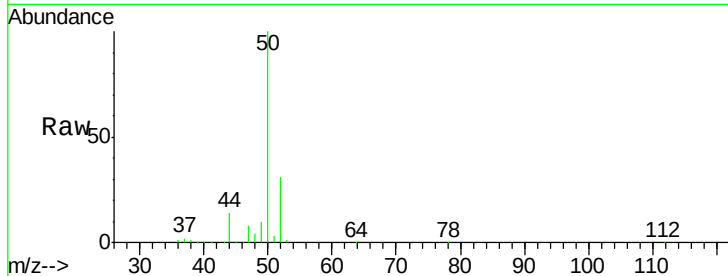
52 31.2 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.01 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001842.D

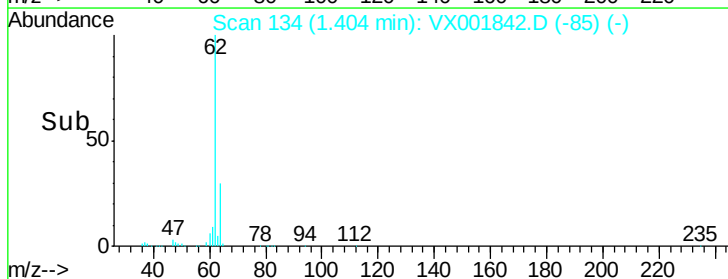
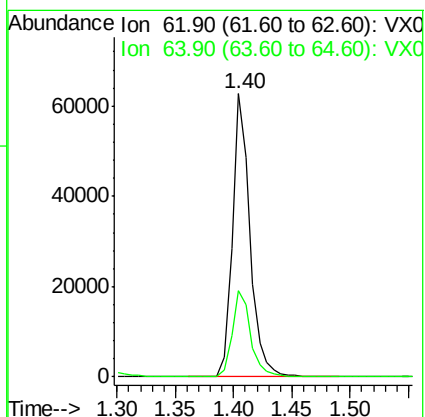
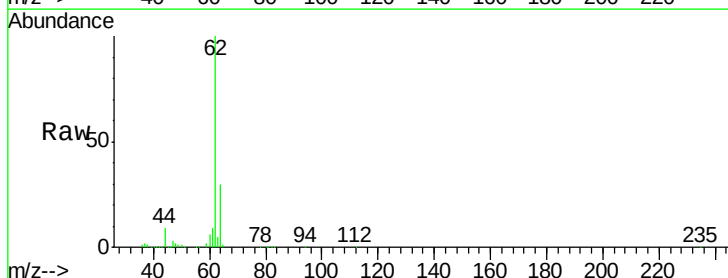
Acq: 18 May 2018 22:27

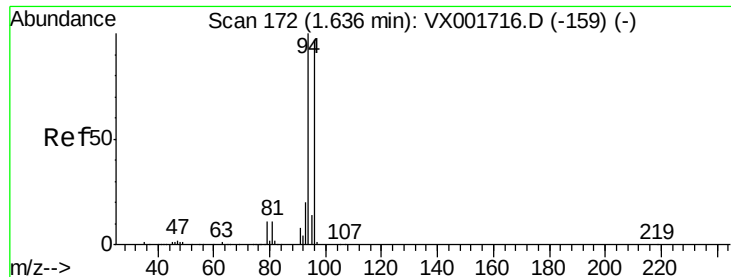
Tgt Ion: 62 Resp: 65664

Ion Ratio Lower Upper

62 100

64 30.2 25.6 38.4





#5

Bromomethane

Concen: 22.13 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD01

Tot Ion: 94 Resp: 32996

Ion Ratio Lower Upper

94 100

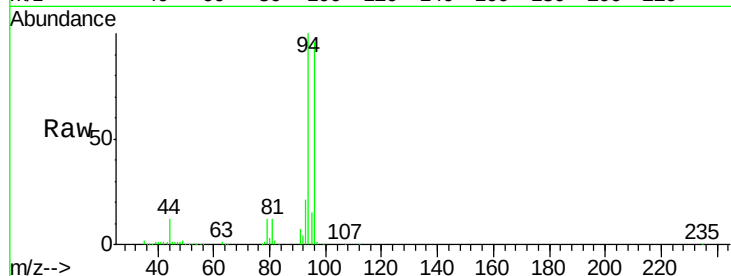
96 95.9 77.4 116.0

Manual Integrations

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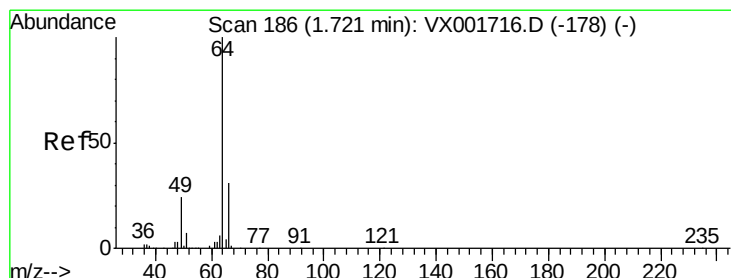
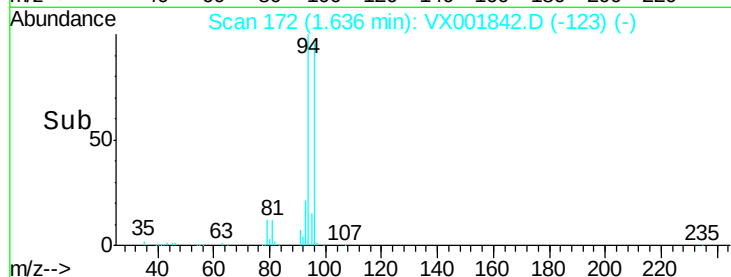
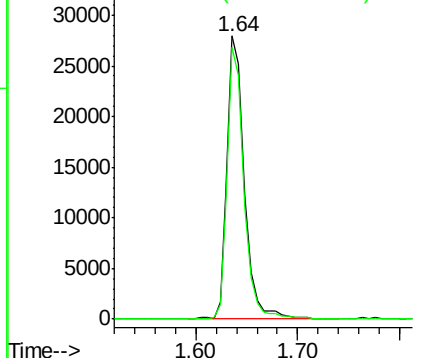
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.91 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001842.D

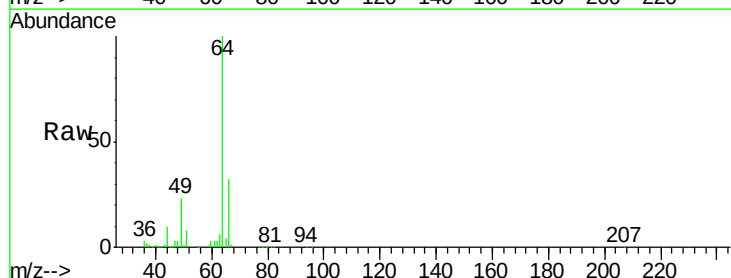
Acq: 18 May 2018 22:27

Tgt Ion: 64 Resp: 43217

Ion Ratio Lower Upper

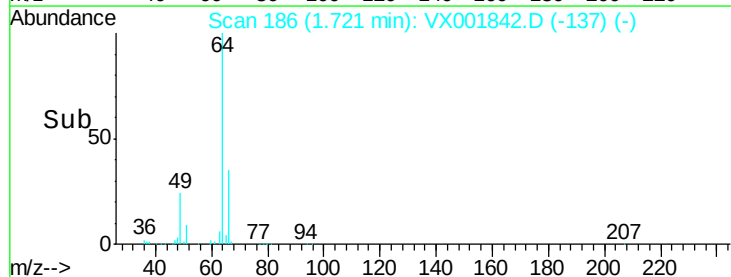
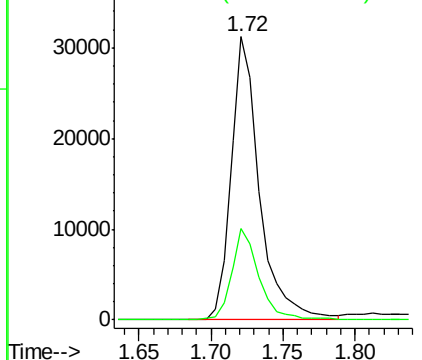
64 100

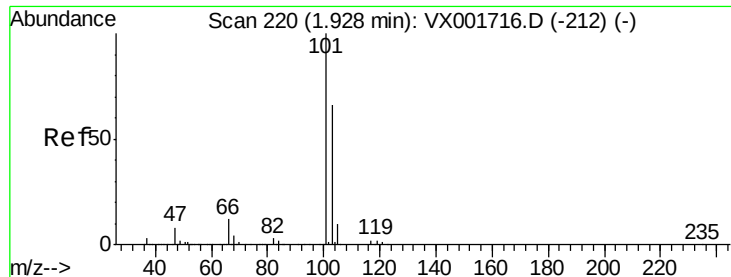
66 32.2 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

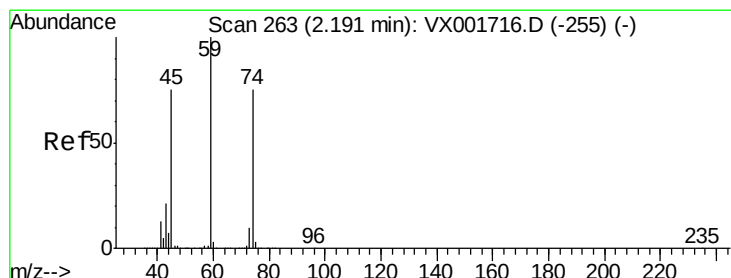
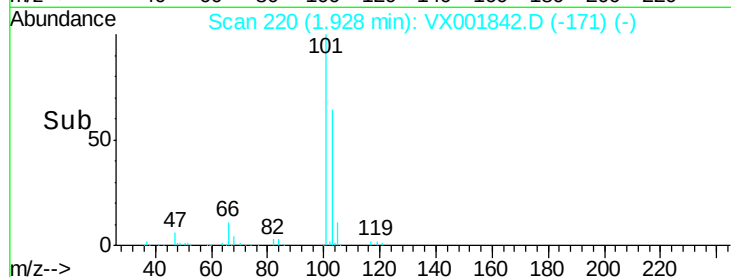
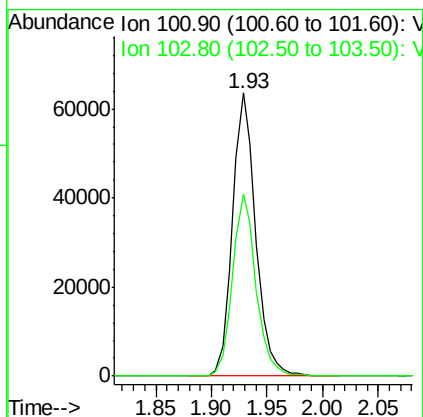
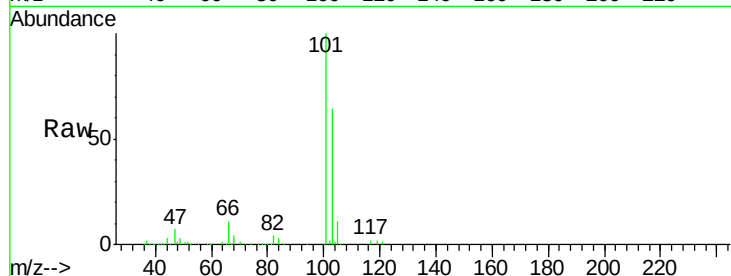
Trichlorofluoromethane
 Concen: 19.26 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.6	78.8

Manual Integrations
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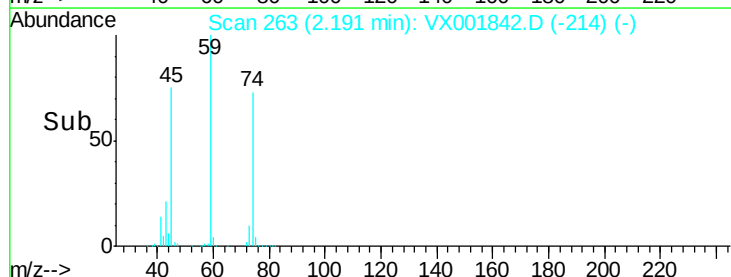
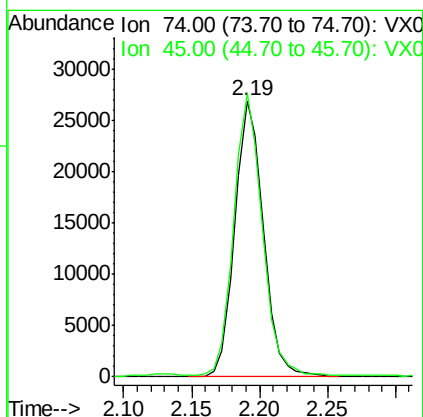
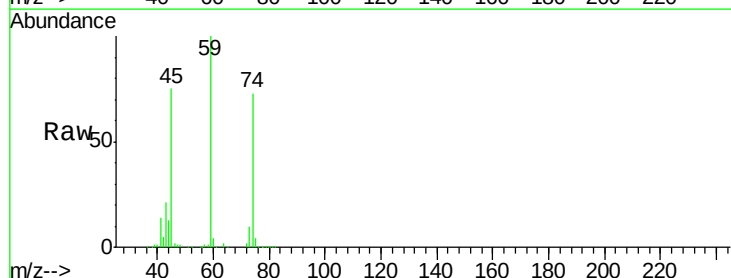
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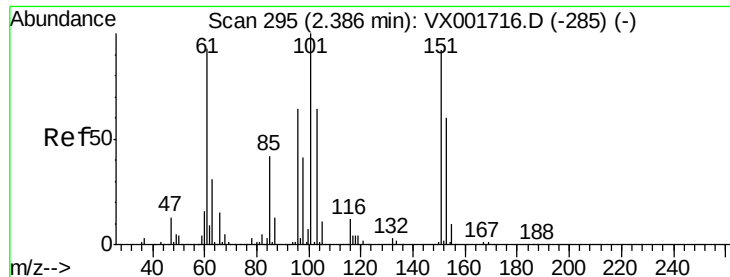


#8

Diethyl Ether
 Concen: 20.06 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.72 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

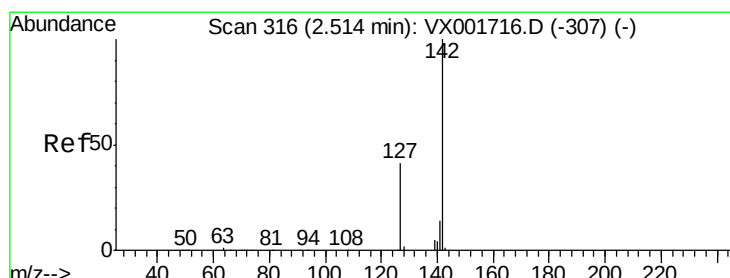
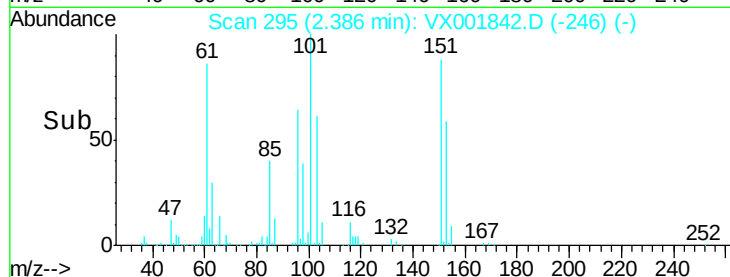
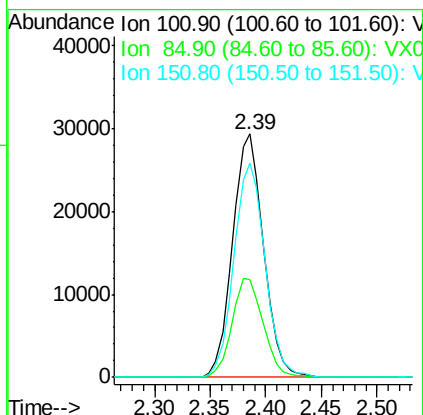
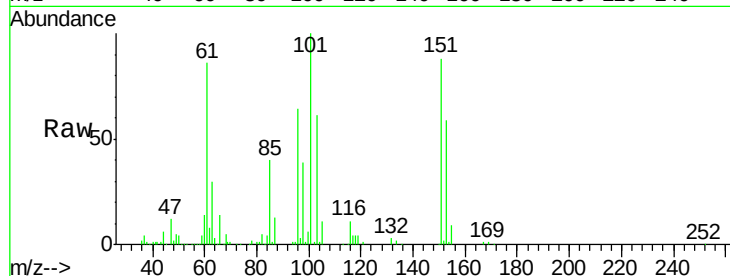
ClientSampleId :

VX0518WBSD01

Tot Ion:	101	Resp:	56595
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.7	50.5
151	88.9	73.0	109.6

Manual Integrations
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5/21/2018 2:40:37 PM



#10

Methyl Iodide

Concen: 24.80 ug/l

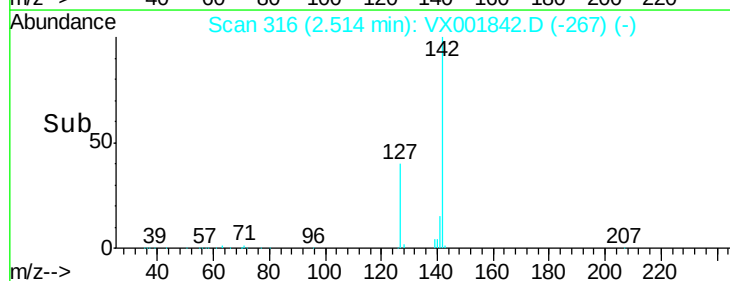
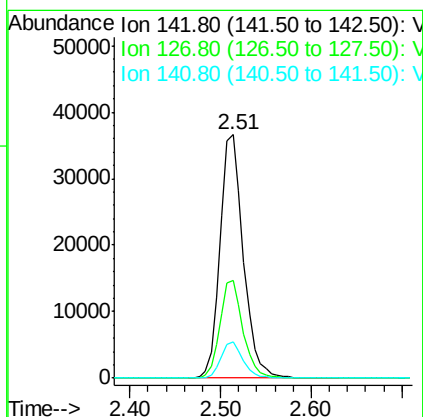
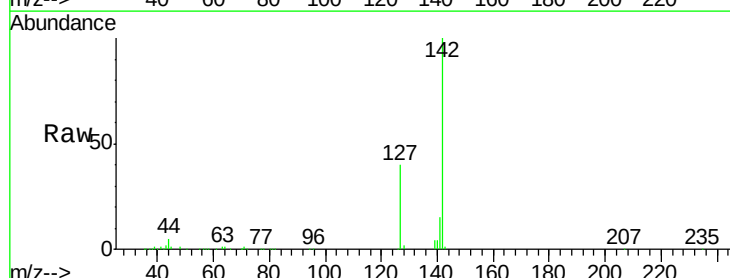
RT: 2.51 min Scan# 316

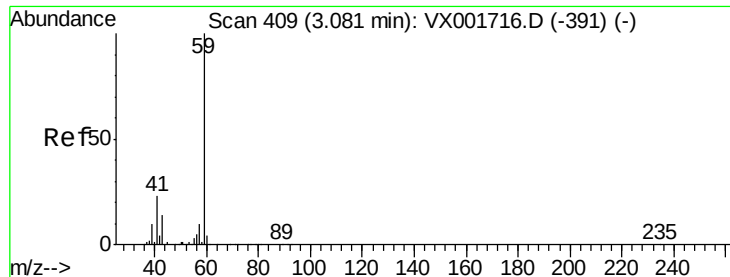
Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Tgt Ion:	142	Resp:	65480
Ion Ratio	Lower	Upper	
142	100		
127	39.9	32.5	48.7
141	14.2	11.4	17.0





#11

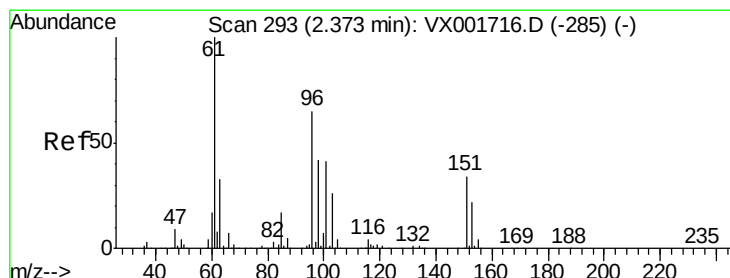
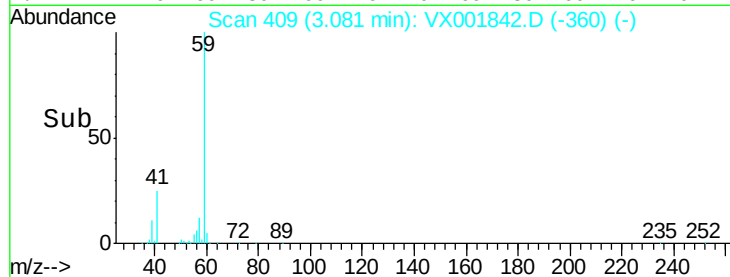
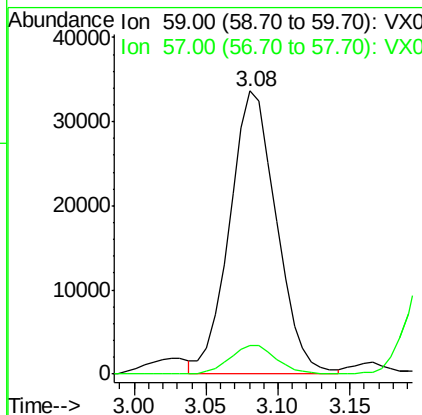
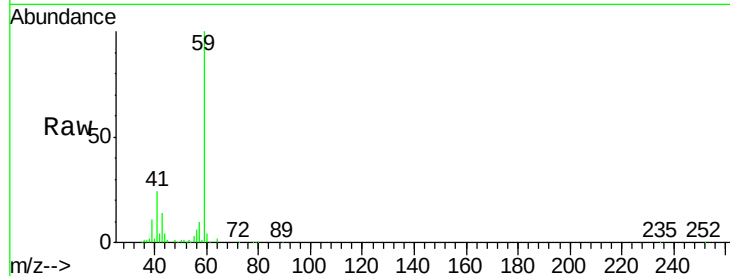
Tert butyl alcohol
Concen: 114.29 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD01

Tot Ion	59	Resp	76143
Ion Ratio	100	Lower	Upper
57	10.5	8.5	12.7

Manual Integrations
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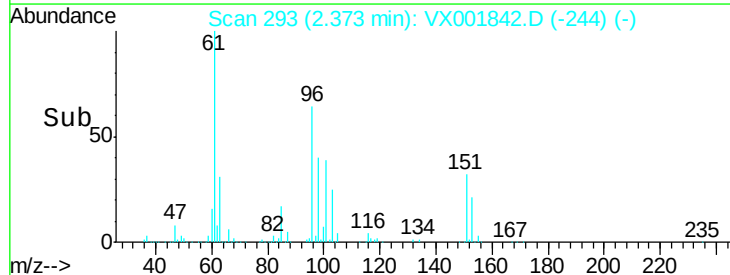
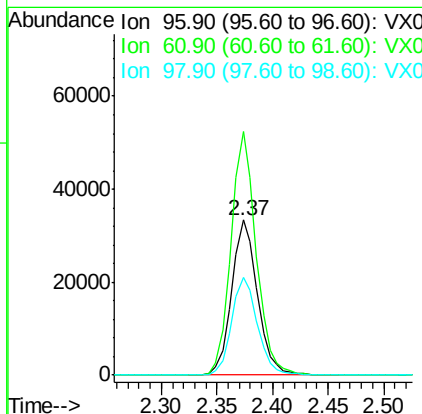
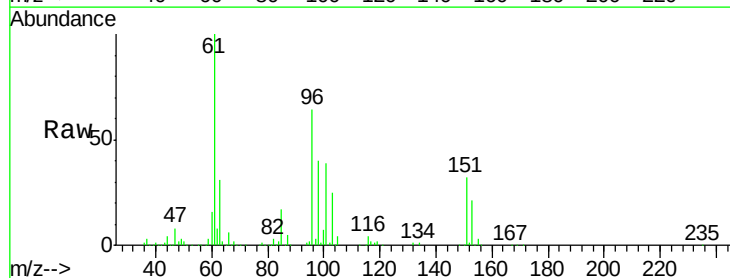
MMDadoda
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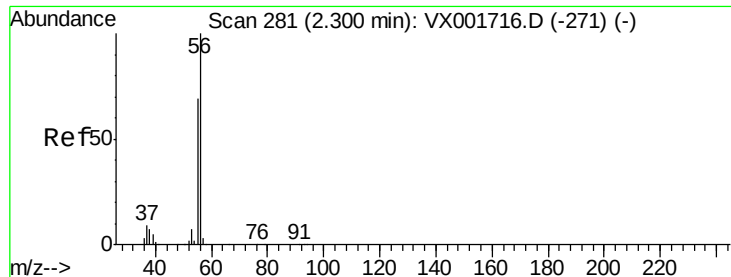


#12

1,1-Dichloroethene
Concen: 19.41 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion	96	Resp	53696
Ion Ratio	100	Lower	Upper
61	157.2	122.2	183.2
98	62.9	51.4	77.0





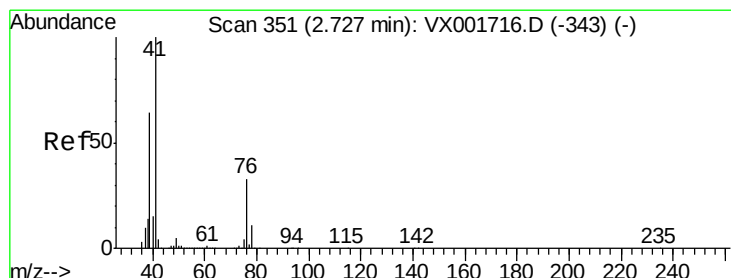
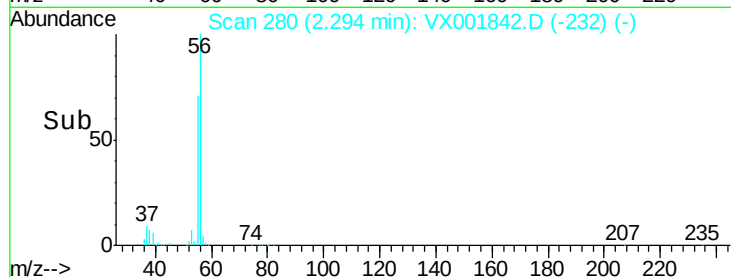
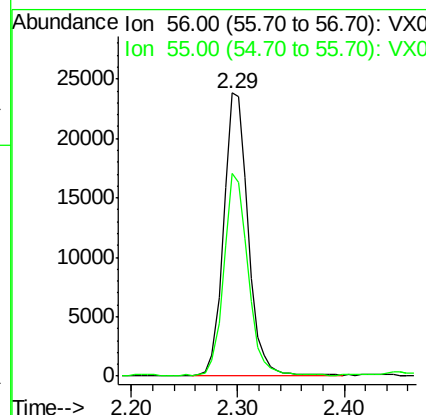
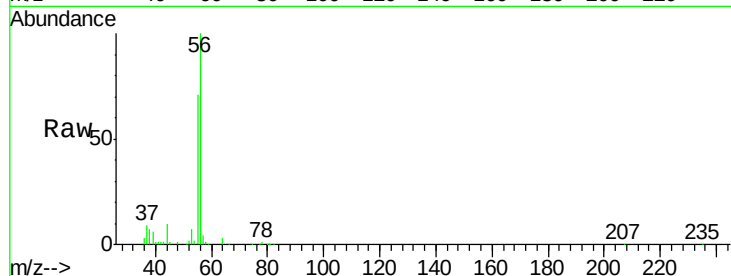
#13
 Acrolein
 Concen: 81.38 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.2

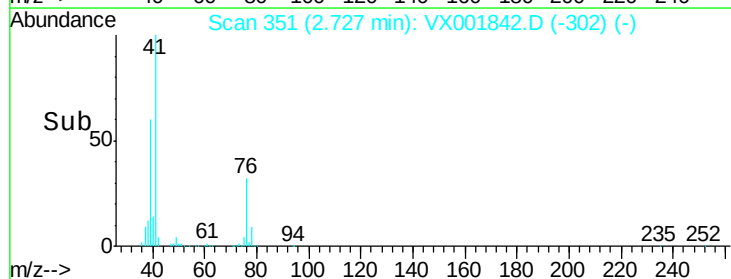
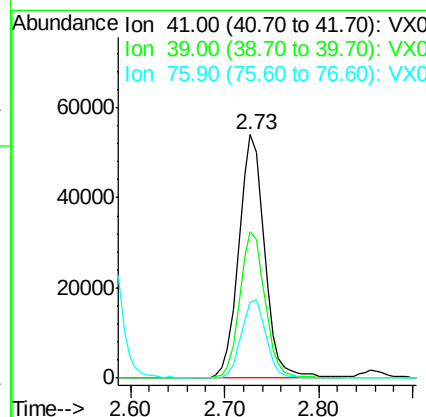
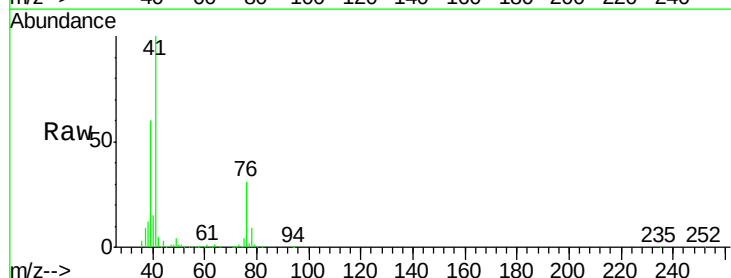
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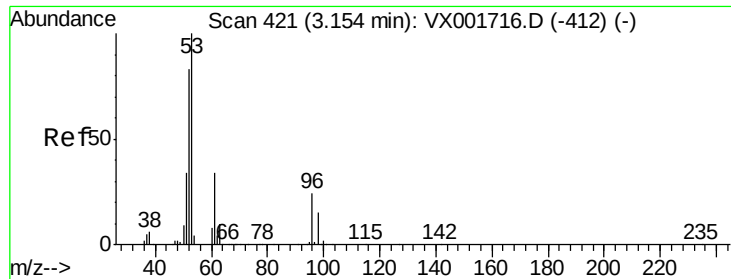
MMDadoda
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#14
 Allyl chloride
 Concen: 20.10 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.6	49.8	74.6
76	31.2	25.8	38.8





#15

Acrylonitrile

Concen: 108.84 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

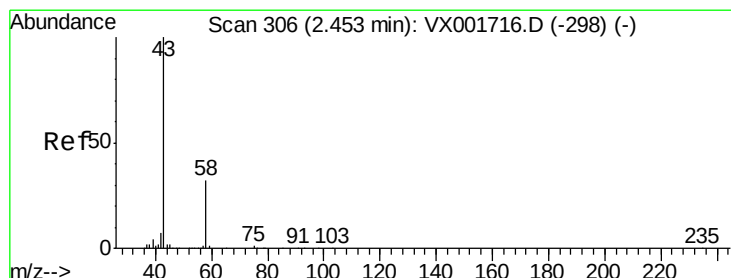
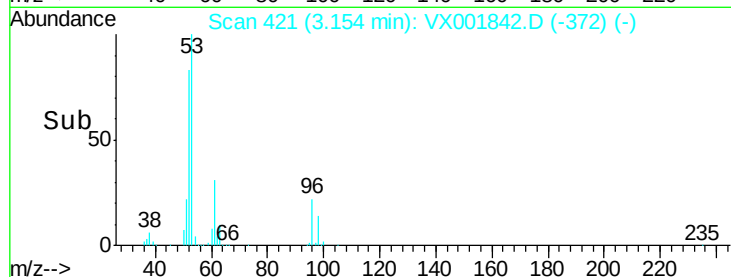
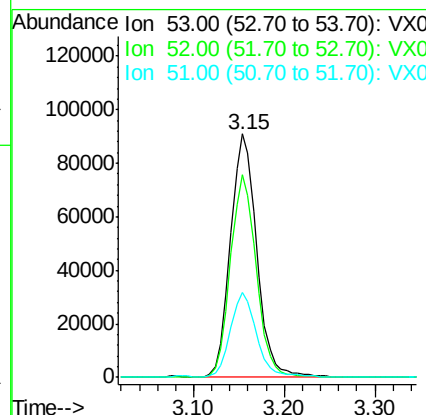
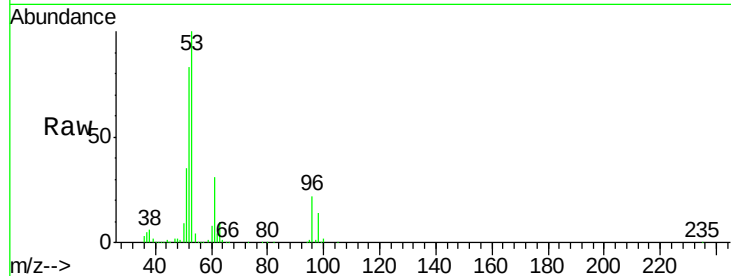
ClientSampleId :

VX0518WBSD01

Tot Ion:	53	Resp:	182124
Ion Ratio		Lower	Upper
53	100		
52	82.3	65.6	98.4
51	35.0	28.1	42.1

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#16

Acetone

Concen: 103.53 ug/l

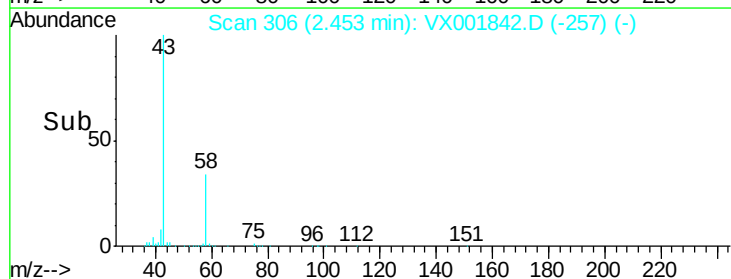
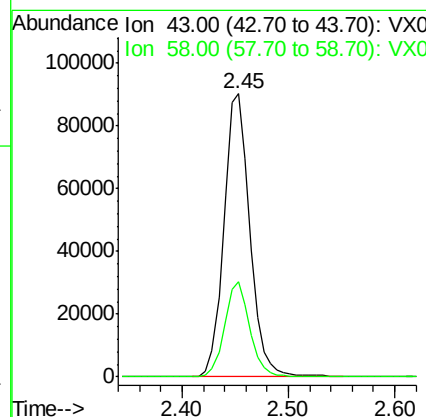
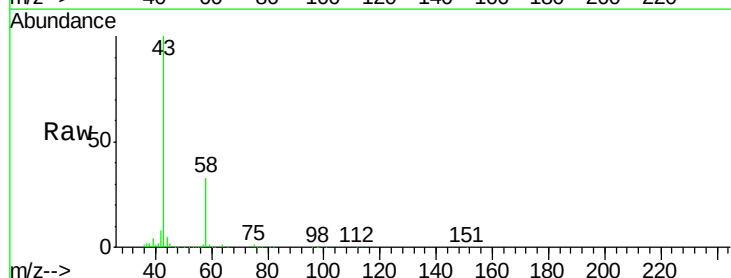
RT: 2.45 min Scan# 306

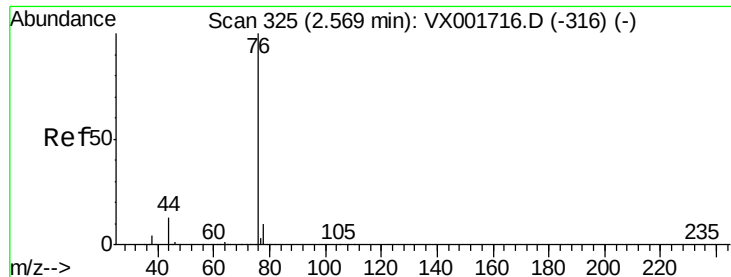
Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Tgt Ion:	43	Resp:	152591
Ion Ratio		Lower	Upper
43	100		
58	33.5	25.3	37.9





#17

Carbon Disulfide

Concen: 16.39 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD01

Tot Ion: 76 Resp: 118321

Ion Ratio Lower Upper

76 100

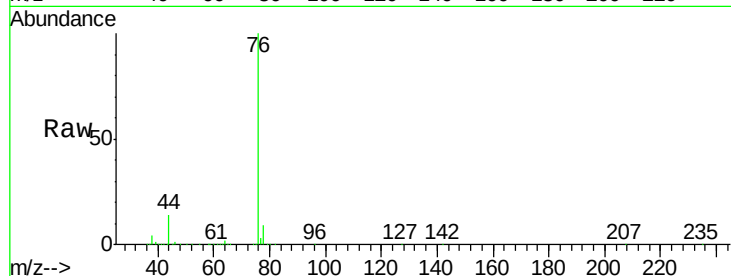
78 9.2 7.6 11.4

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

80000

60000

40000

20000

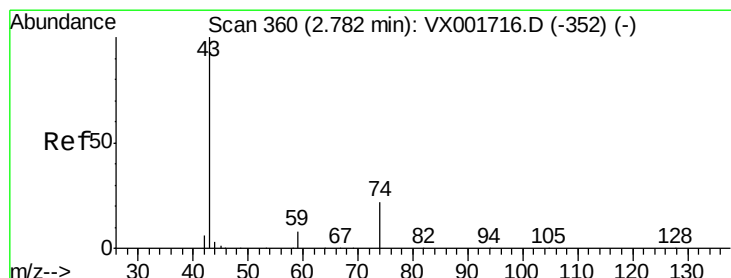
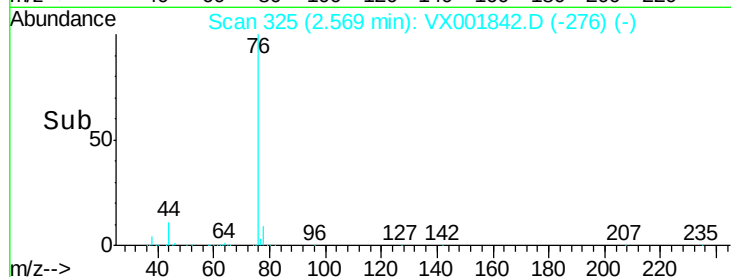
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 23.19 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001842.D

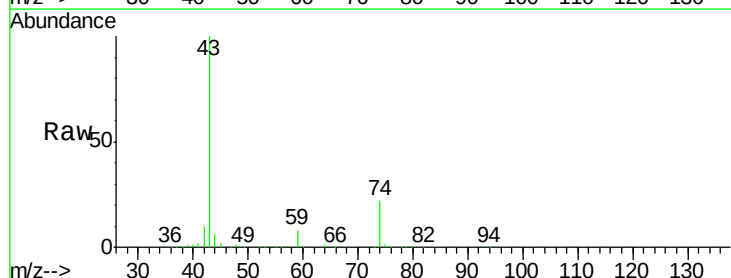
Acq: 18 May 2018 22:27

Tgt Ion: 43 Resp: 99925

Ion Ratio Lower Upper

43 100

74 23.1 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-->

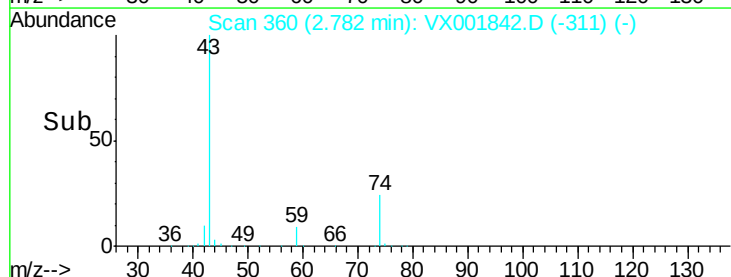
2.70

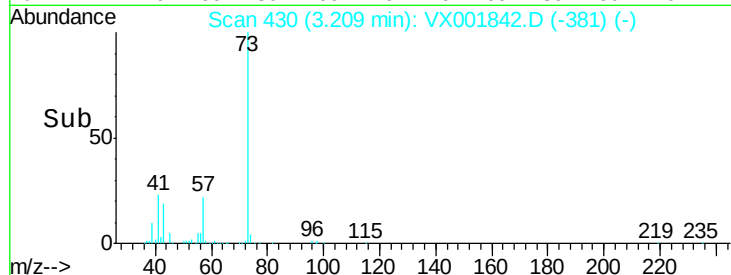
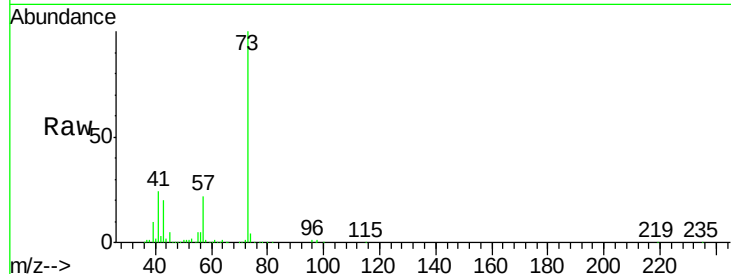
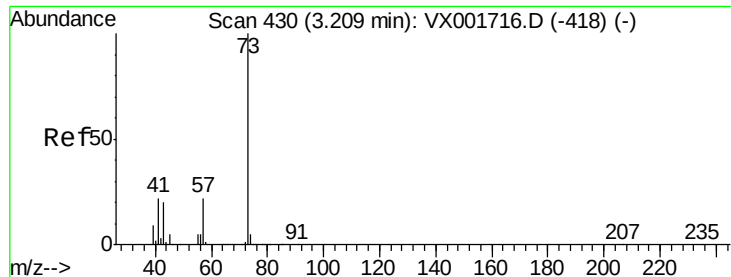
2.75

2.80

2.85

2.90





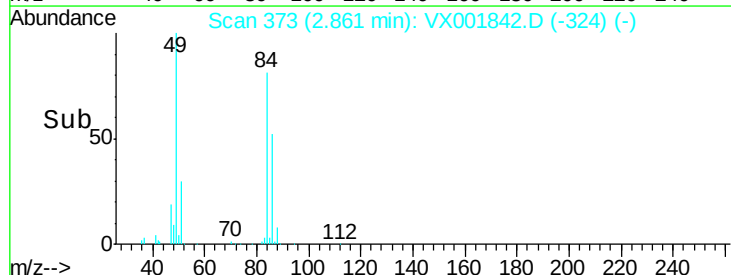
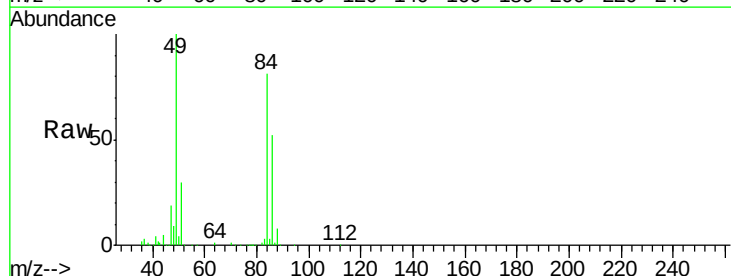
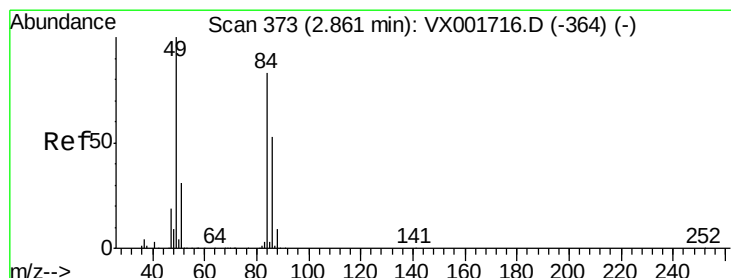
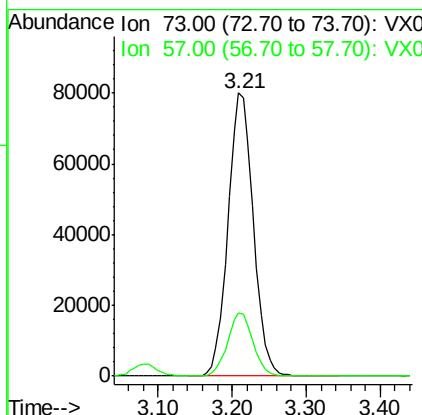
#19
Methyl tert-butyl Ether
Concen: 20.43 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.5	26.3

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD01

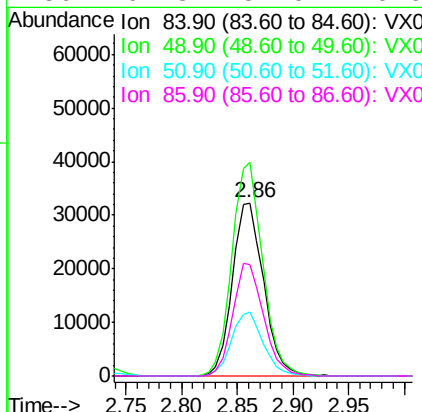
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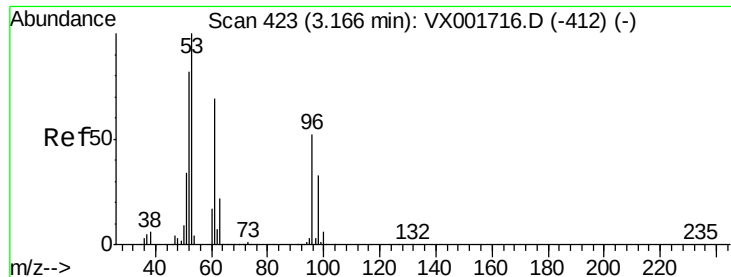
MMDadoda
5/21/2018 2:40:37 PM



#20
Methylene Chloride
Concen: 19.91 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	96.3	144.5
51	36.7	29.8	44.6
86	64.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.93 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampled :

VX0518WBSD01

Tot Ion: 96 Resp: 57688

Ion Ratio Lower Upper

96 100

61 132.3 105.8 158.8

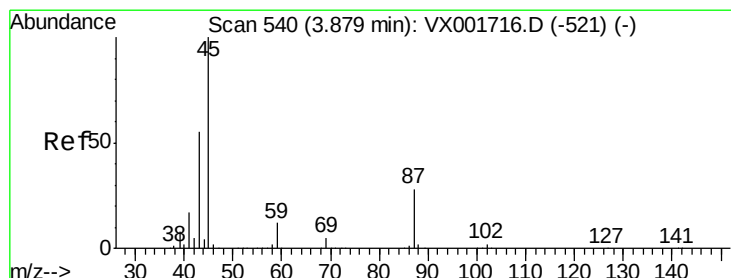
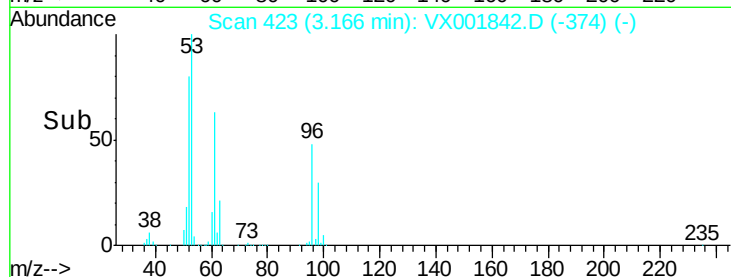
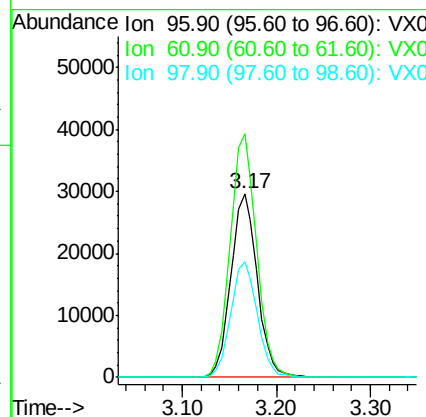
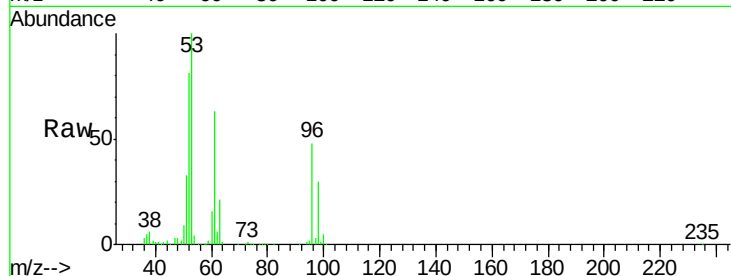
98 63.0 50.2 75.4

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#22

Diisopropyl ether

Concen: 20.91 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Tgt Ion: 45 Resp: 205208

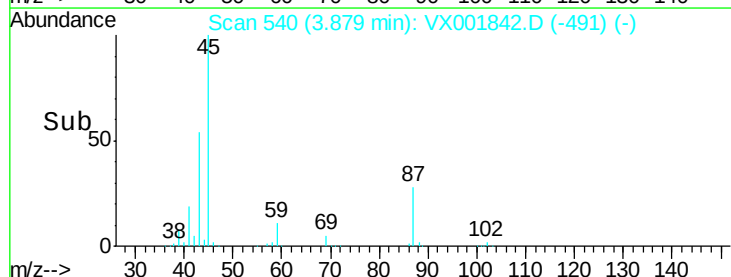
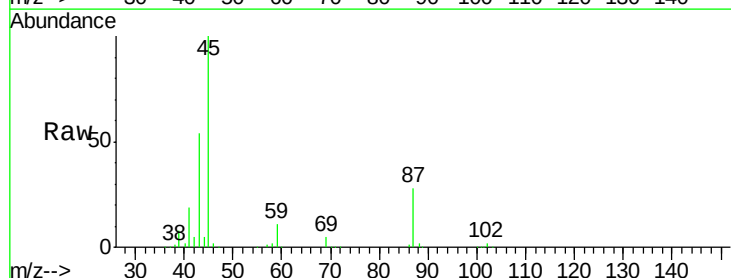
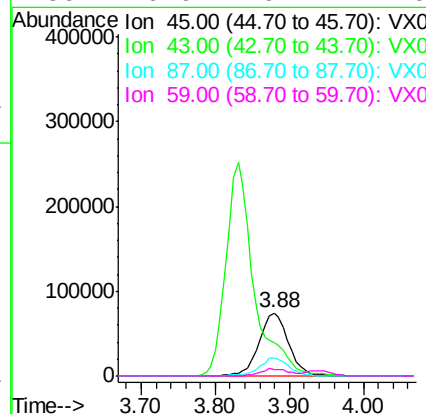
Ion Ratio Lower Upper

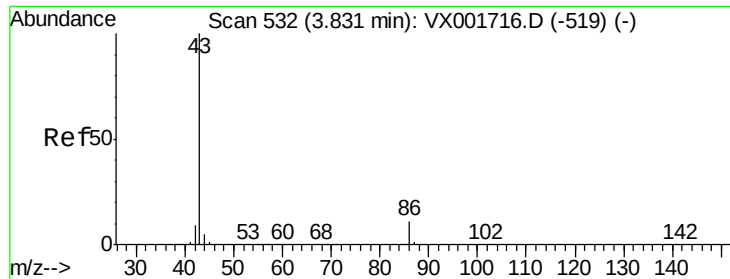
45 100

43 53.5 44.3 66.5

87 28.0 22.6 33.8

59 10.9 9.4 14.0





#23

Vinyl Acetate

Concen: 94.43 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD01

Tot Ion: 43 Resp: 667572

Ion Ratio Lower Upper

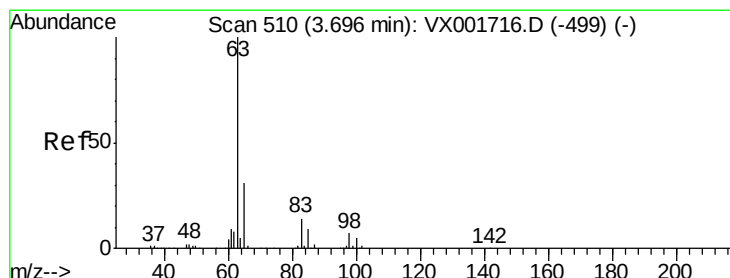
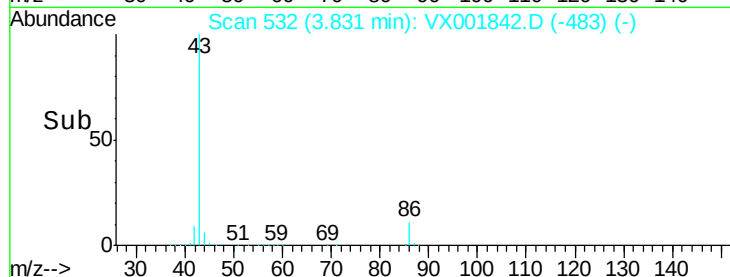
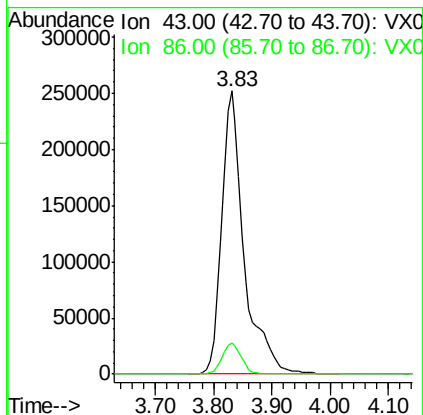
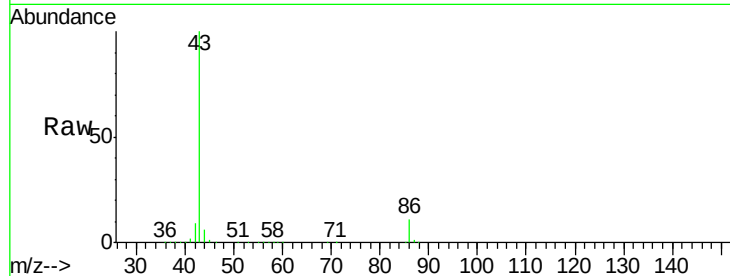
43 100

86 11.1 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 20.67 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

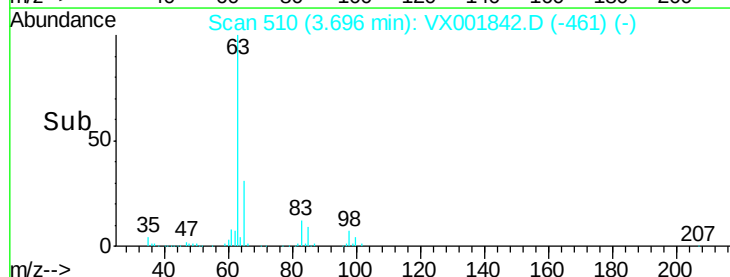
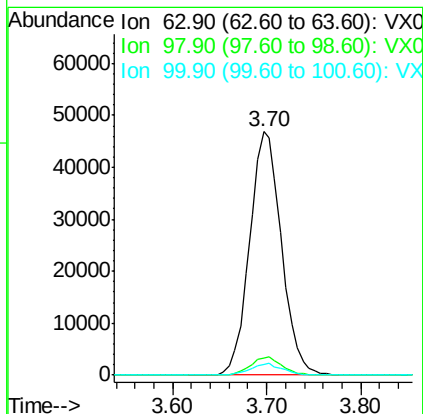
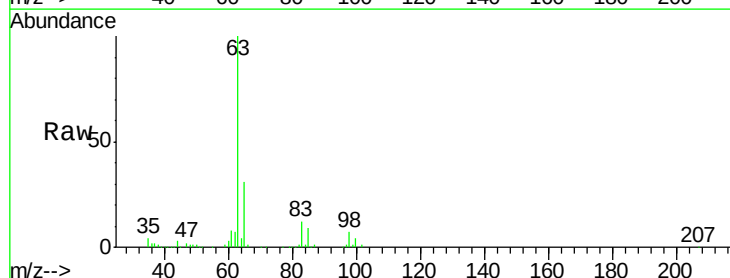
Tgt Ion: 63 Resp: 111208

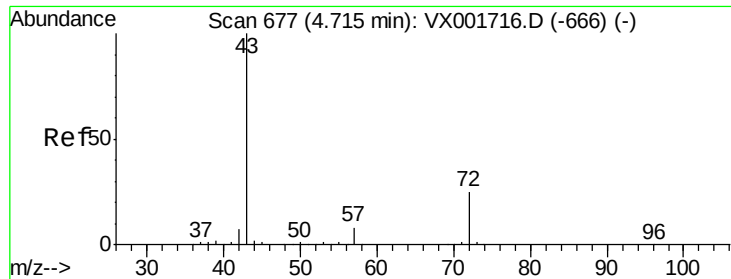
Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 112.40 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampled :

VX0518WBSD01

Tot Ion: 43 Resp: 253616

Ion Ratio Lower Upper

43 100

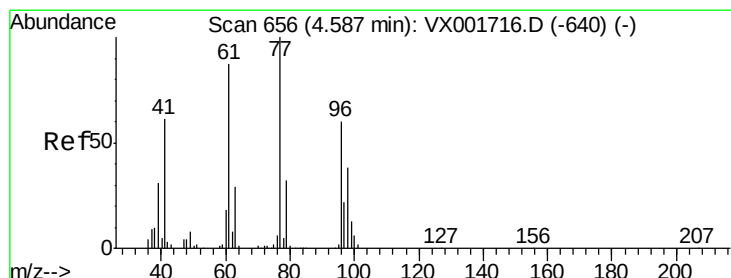
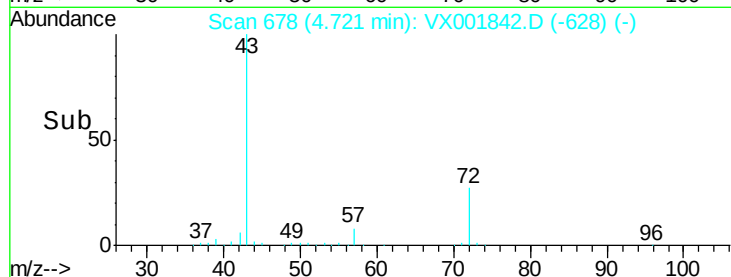
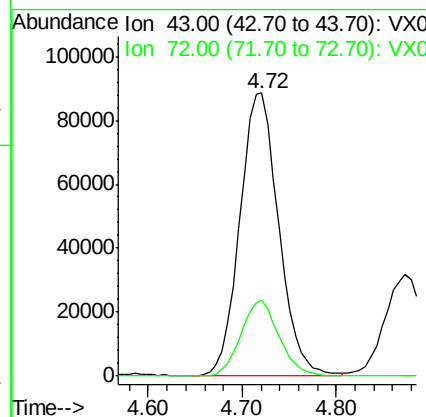
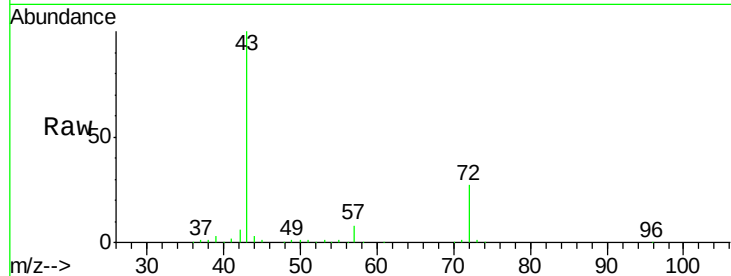
72 26.8 19.8 29.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.64 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001842.D

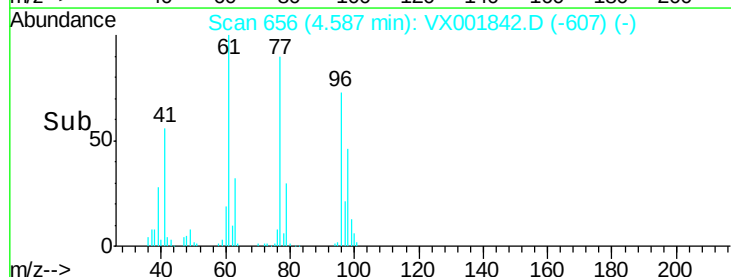
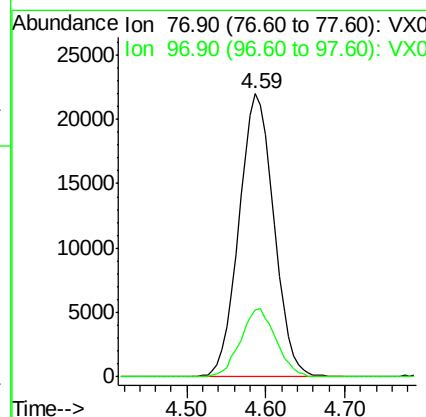
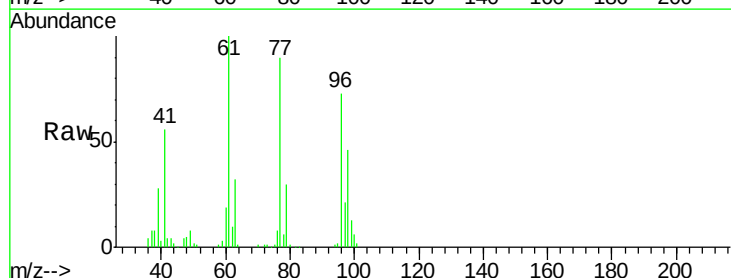
Acq: 18 May 2018 22:27

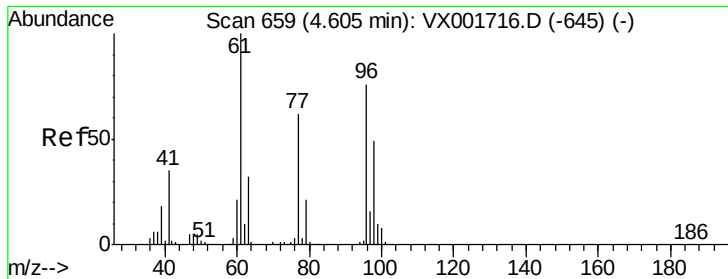
Tgt Ion: 77 Resp: 67744

Ion Ratio Lower Upper

77 100

97 24.5 11.6 34.8





#27

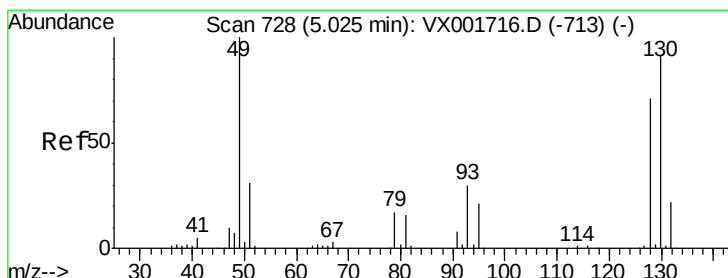
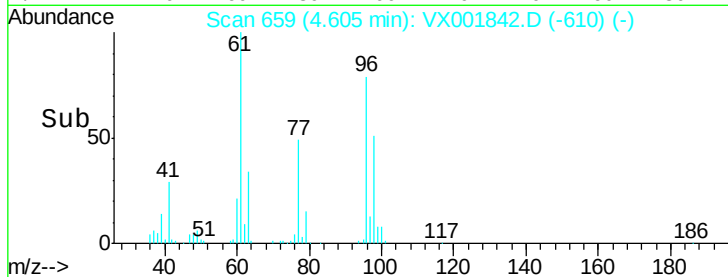
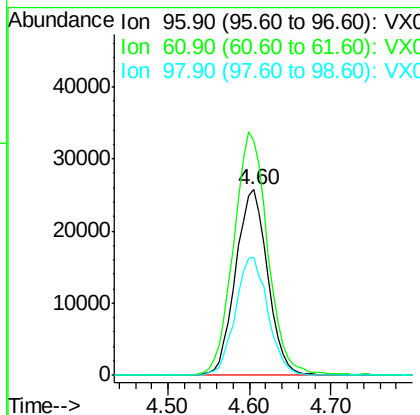
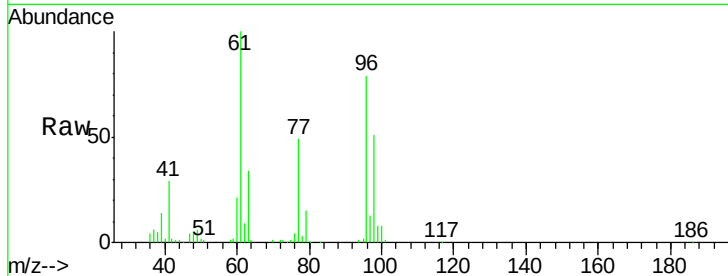
cis-1,2-Dichloroethene
 Concen: 20.21 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	70101		
61	139.8	0.0	280.4	
98	64.6	0.0	128.4	

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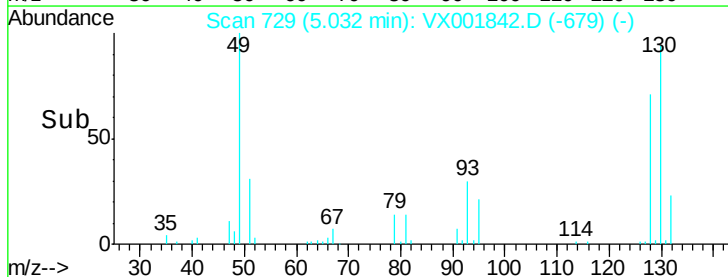
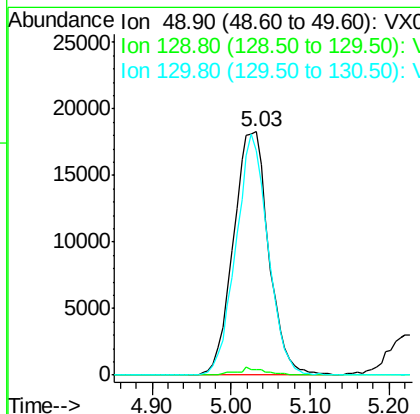
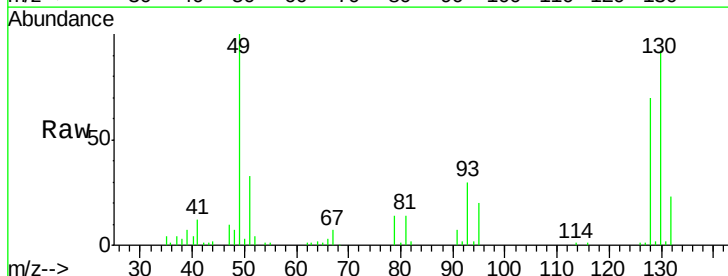
MMDadoda
 5/21/2018 2:40:37 PM

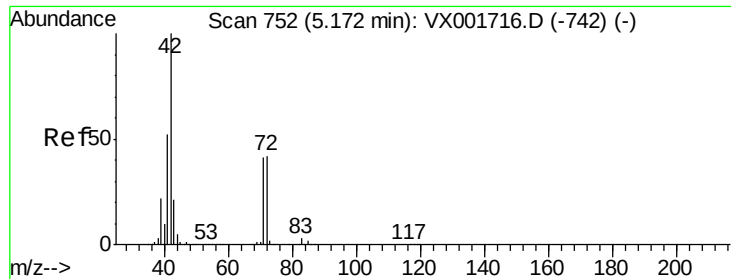


#28

Bromochloromethane
 Concen: 23.80 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	56883		
129	2.3	0.0	5.0	
130	90.3	71.8	107.6	





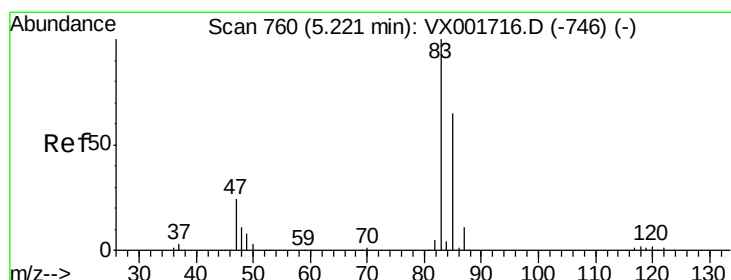
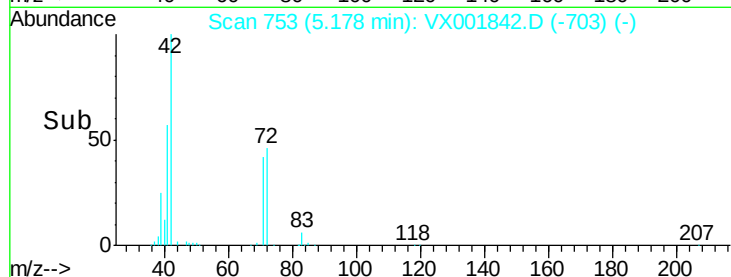
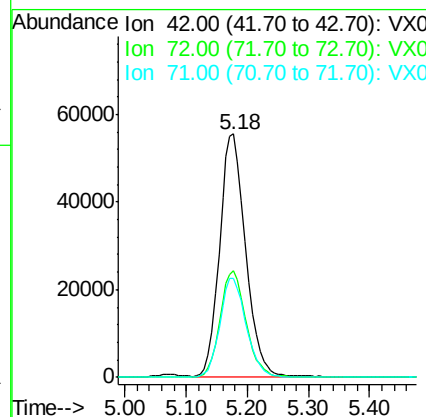
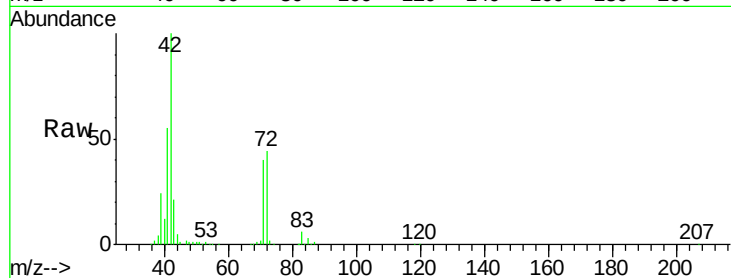
#29
Tetrahydrofuran
Concen: 112.02 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.4	53.2
71	41.5	33.2	49.8

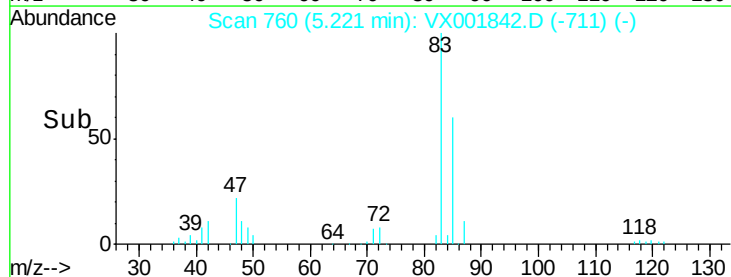
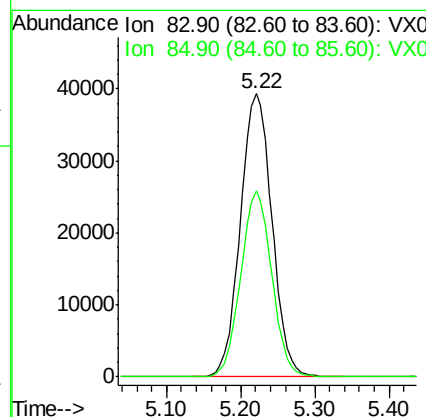
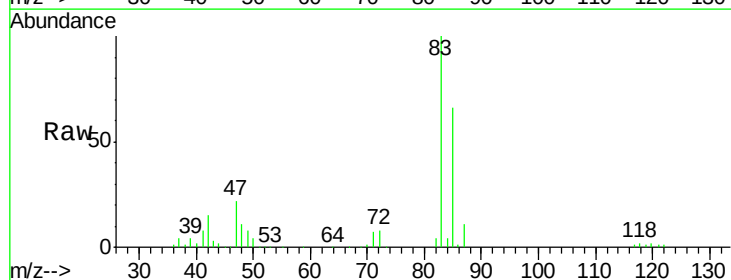
Manual Integrations
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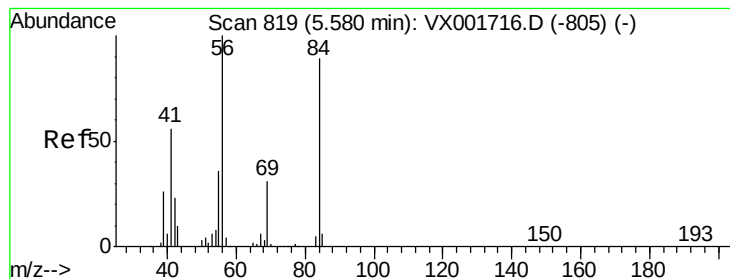
MMDadoda
5/21/2018 2:40:37 PM



#30
Chloroform
Concen: 20.76 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.3	78.5





#31

Cyclohexane

Concen: 19.62 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

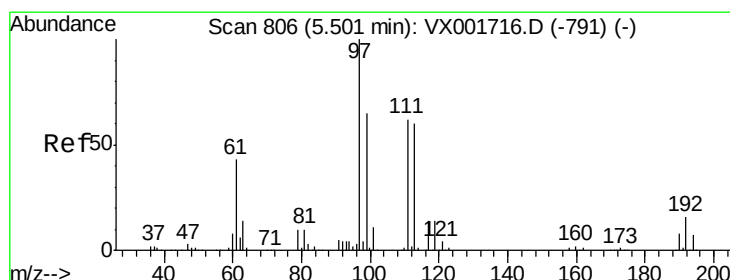
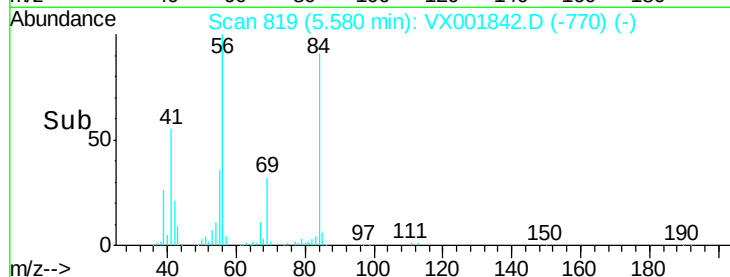
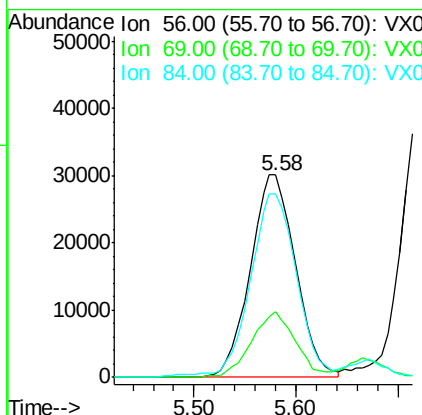
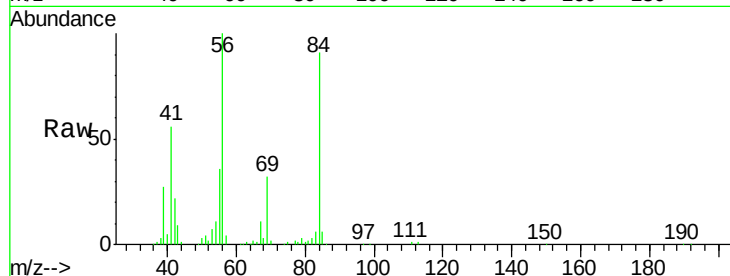
ClientSampleId :

VX0518WBSD01

Tot Ion	56	Resp	92558
Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.0	37.6
84	88.9	71.0	106.4

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#32

1,1,1-Trichloroethane

Concen: 20.31 ug/l

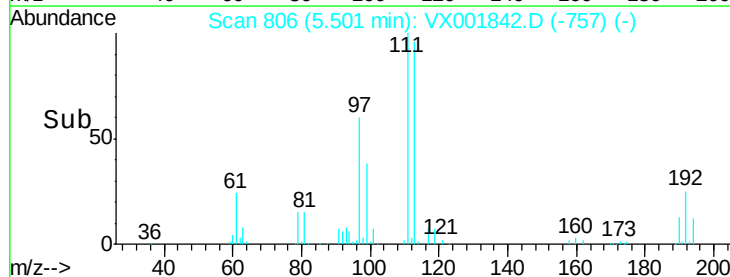
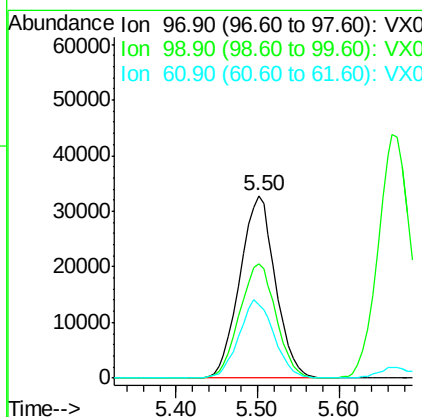
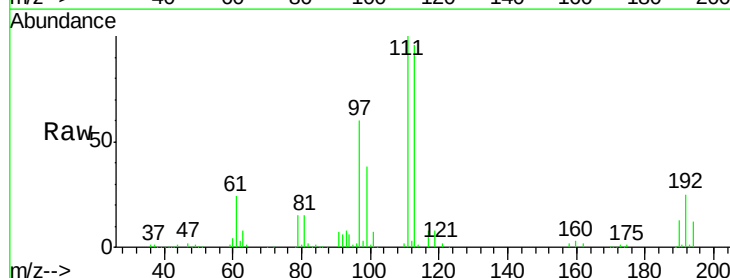
RT: 5.50 min Scan# 806

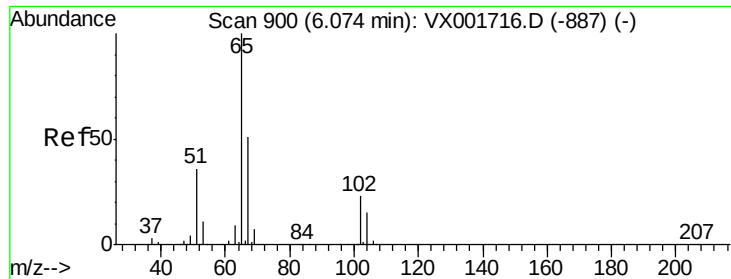
Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Tgt Ion	97	Resp	99181
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	42.4	34.0	51.0





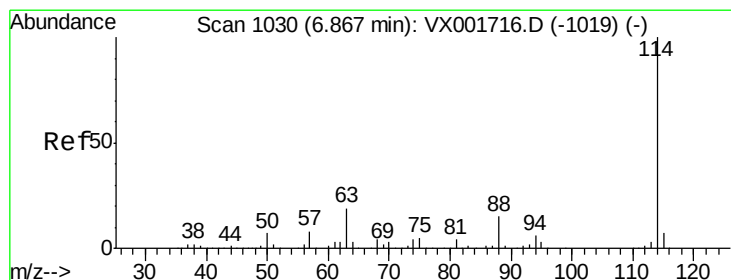
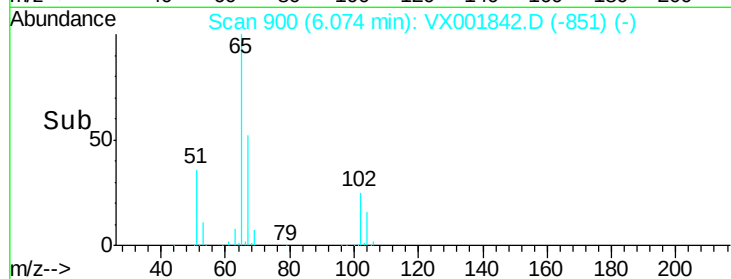
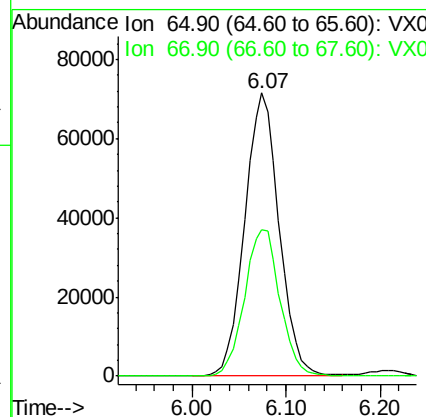
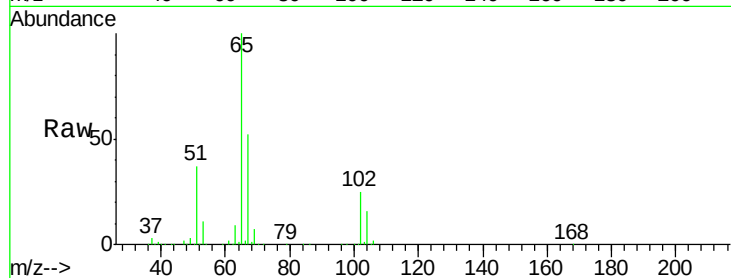
#33
 1,2-Dichloroethane-d4
 Concen: 48.66 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182595		
67	53.4	0.0	102.8	

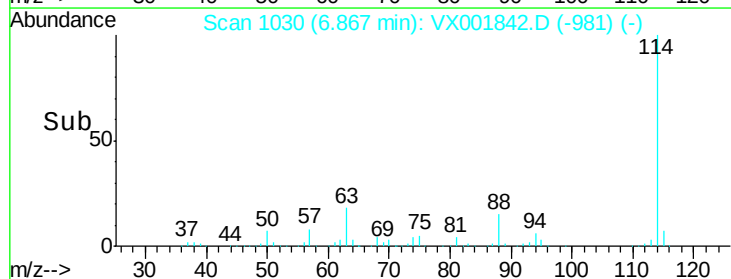
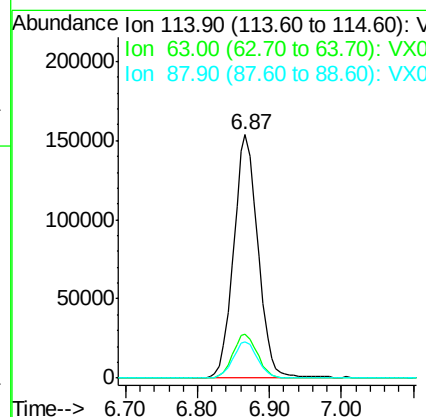
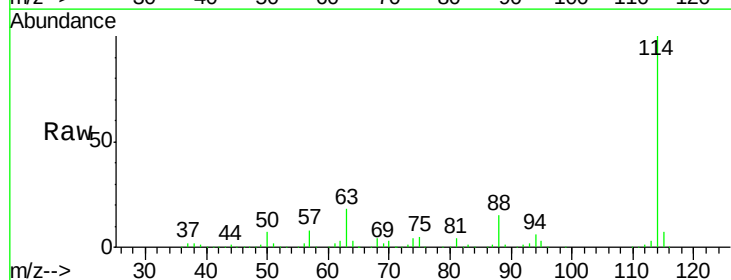
Manual Integrations
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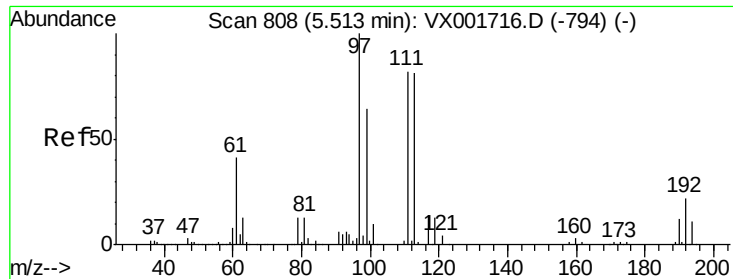
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	363439		
63	18.0	0.0	37.0	
88	15.1	0.0	29.8	





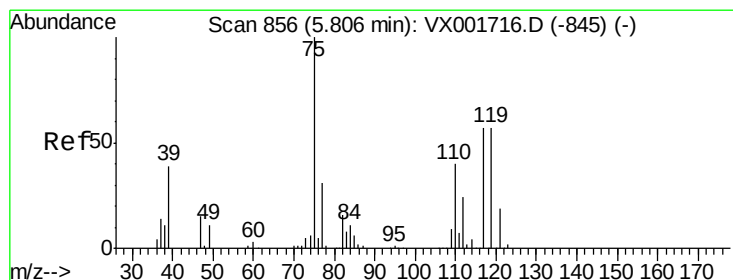
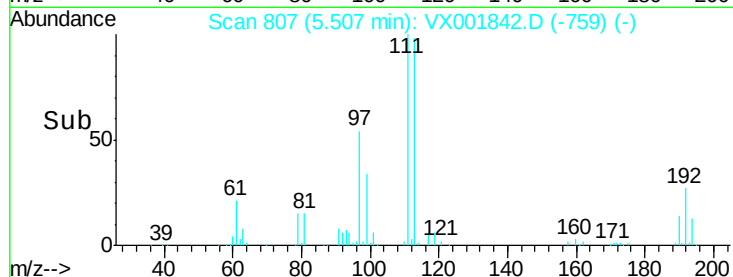
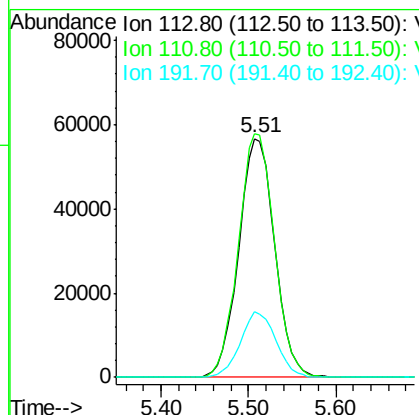
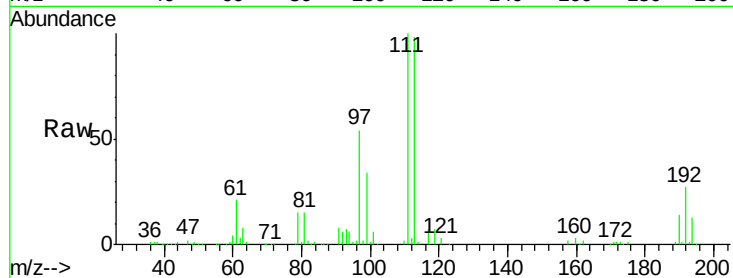
#35
 Dibromofluoromethane
 Concen: 52.75 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	161779		
111	102.3	82.0	123.0	
192	27.0	21.6	32.4	

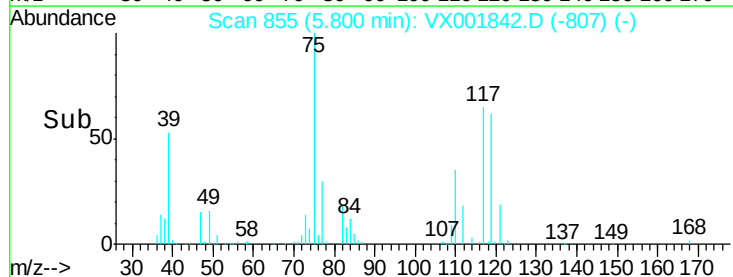
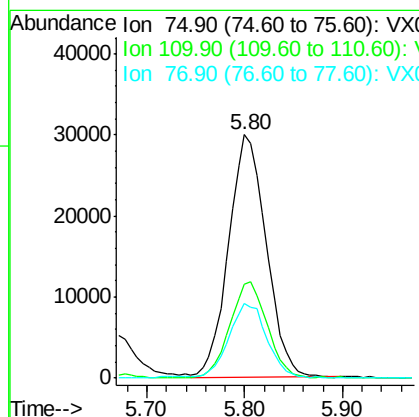
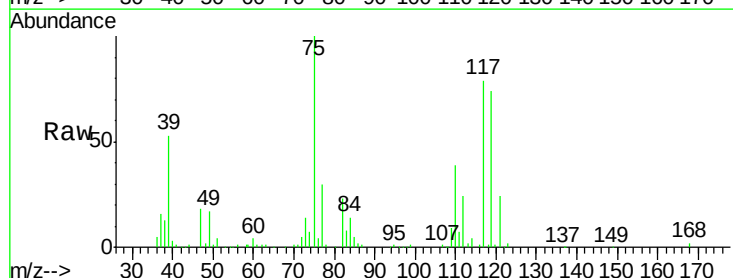
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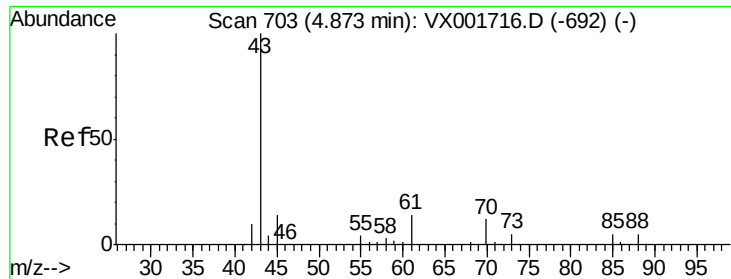
MMDadoda
 5/21/2018 2:40:37 PM



#36
 1,1-Dichloropropene
 Concen: 19.06 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79744		
110	39.5	19.1	57.1	
77	30.9	24.6	37.0	





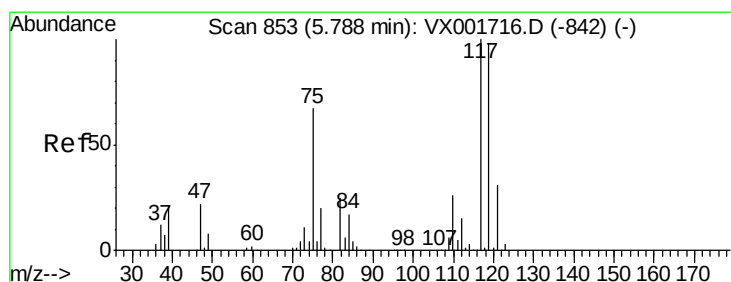
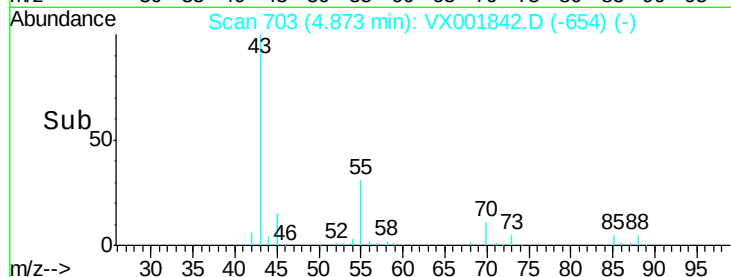
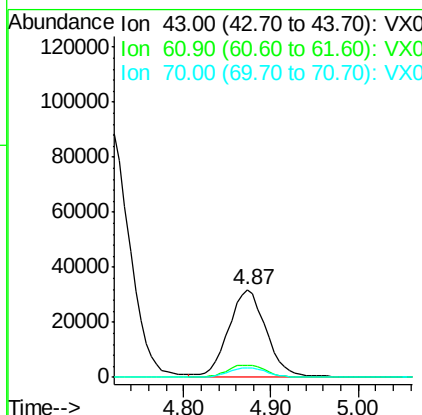
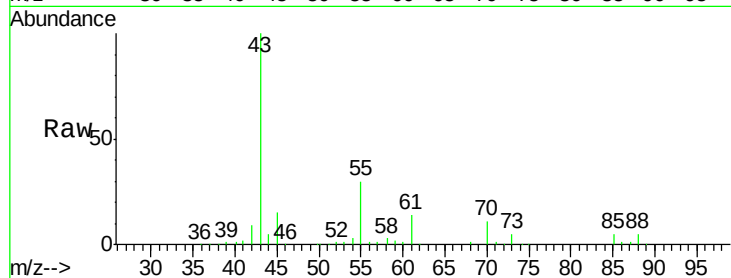
#37
Ethyl Acetate
Concen: 21.57 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.9	16.3
70	11.3	8.8	13.2

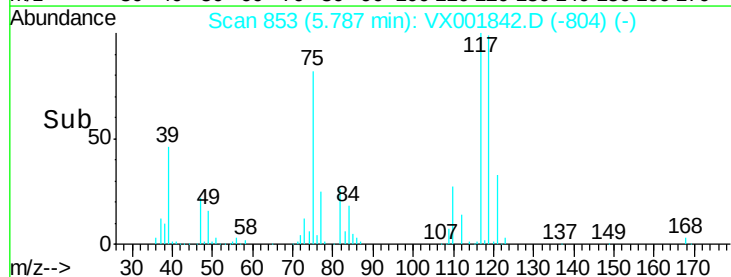
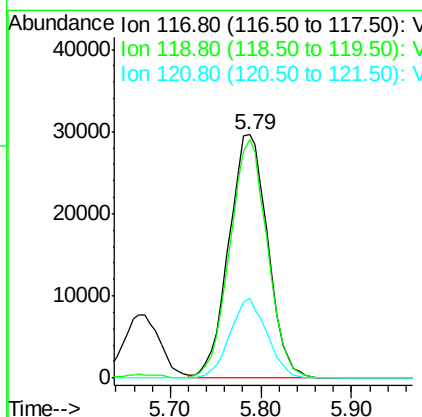
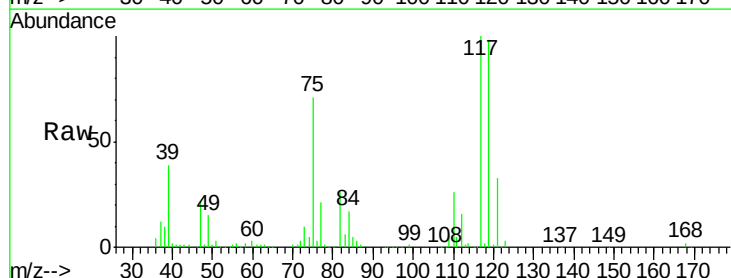
Manual Integrations
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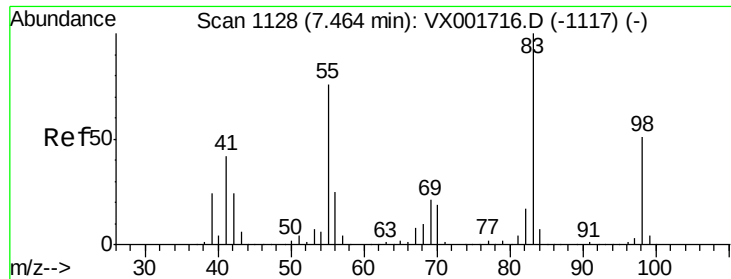
MMDadoda
5/21/2018 2:40:37 PM



#38
Carbon Tetrachloride
Concen: 20.15 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.6	116.4
121	33.0	24.6	36.8





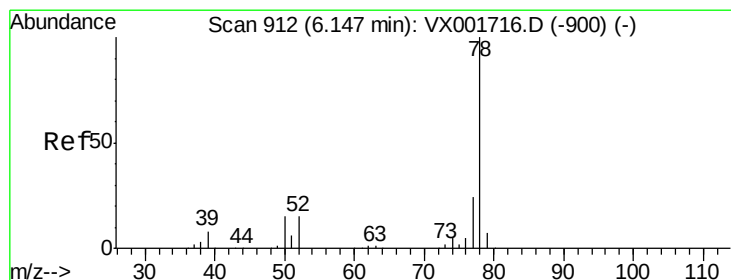
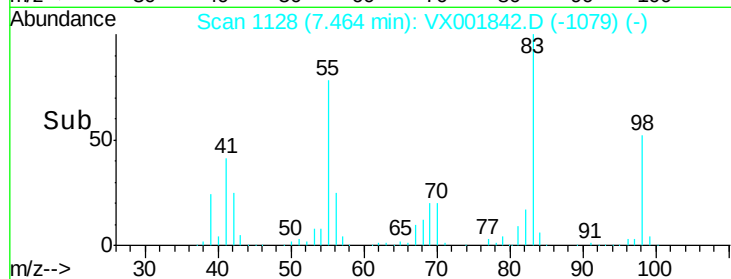
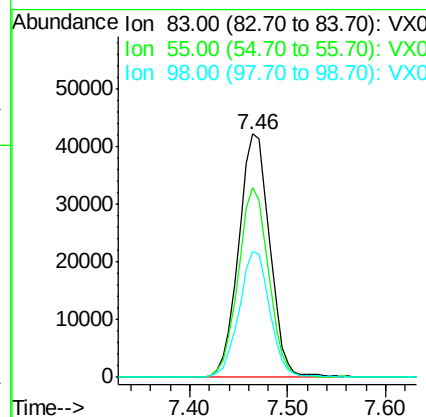
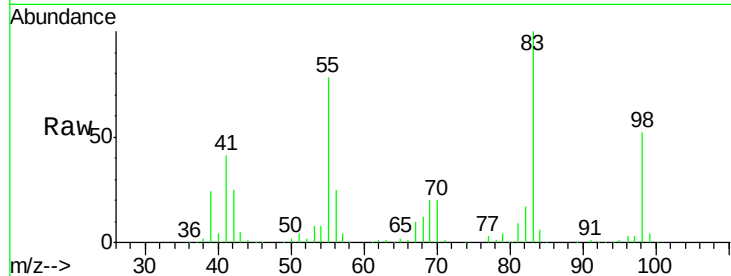
#39
Methylvlcyclohexane
Concen: 19.13 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD01

Tot Ion	83	Resp	93512
Ion Ratio	100	Lower	Upper
83	100		
55	77.7	60.6	90.8
98	51.9	40.4	60.6

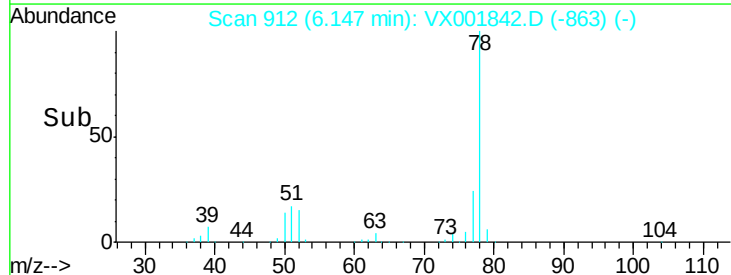
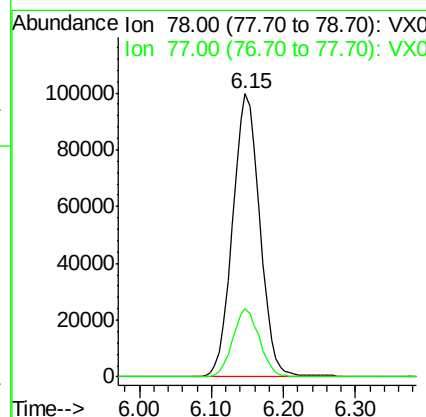
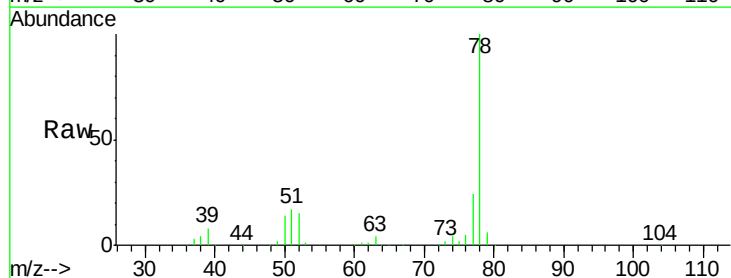
Manual Integrations
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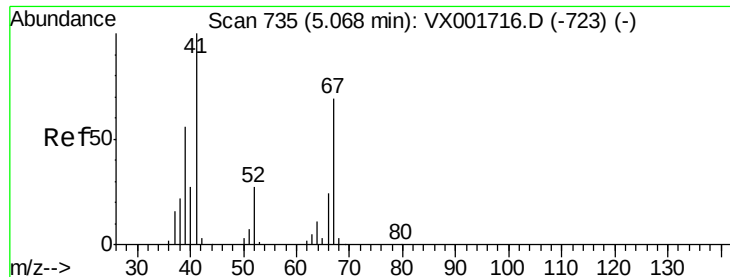
MMDadoda
5/21/2018 2:40:37 PM



#40
Benzene
Concen: 21.32 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion	78	Resp	262783
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.0	28.4





#41

Methacrylonitrile

Concen: 21.55 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

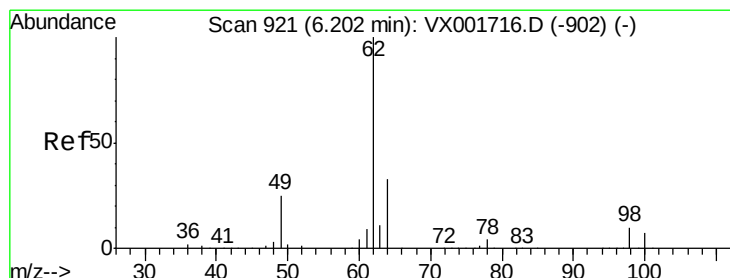
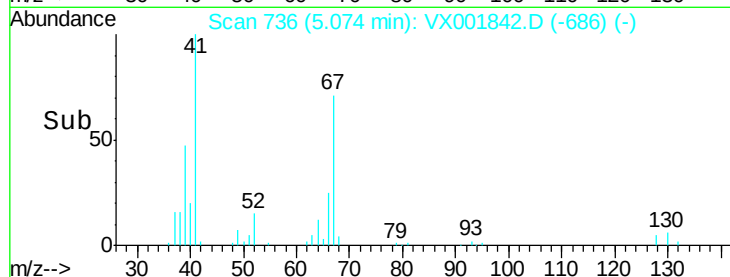
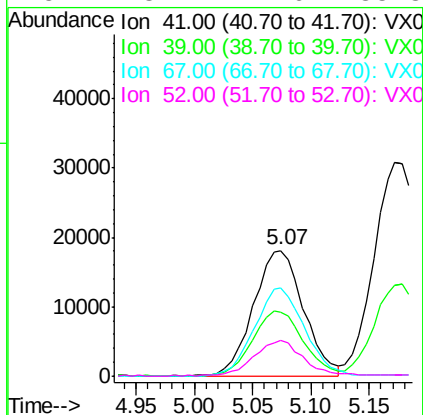
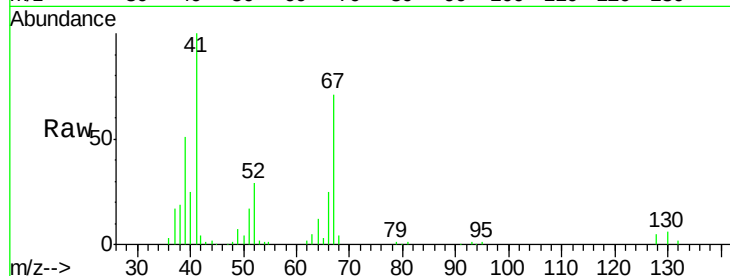
ClientSampleId :

VX0518WBSD01

Tot Ion:	41	Resp:	54337
Ion	Ratio	Lower	Upper
41	100		
39	52.1	44.2	66.4
67	71.2	56.0	84.0
52	28.7	22.6	33.8

Manual Integrations
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MMDadoda
5/21/2018 2:40:37 PM



#42

1,2-Dichloroethane

Concen: 20.21 ug/l

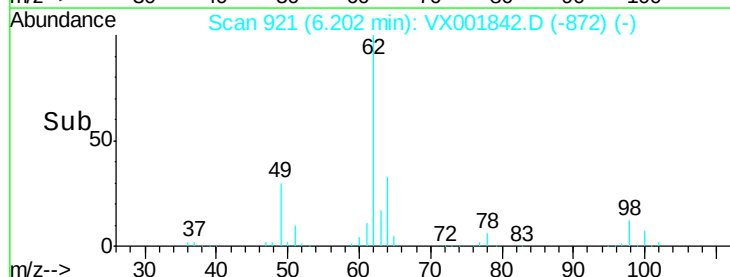
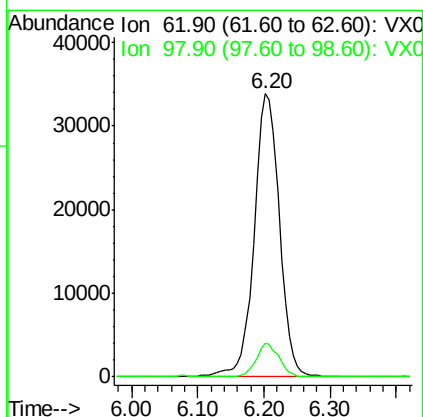
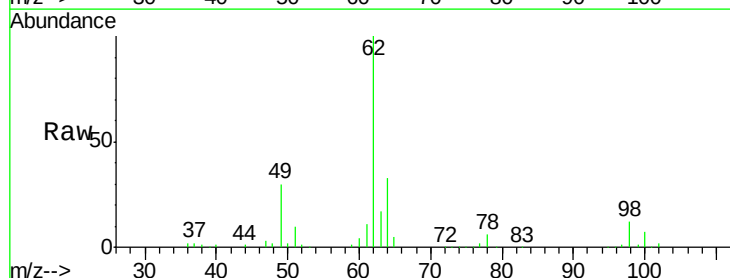
RT: 6.20 min Scan# 921

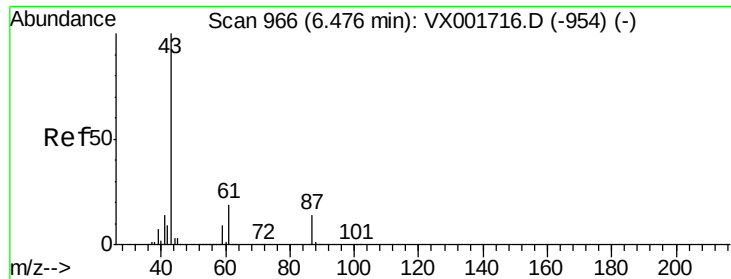
Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Tgt Ion:	62	Resp:	90078
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.0





#43

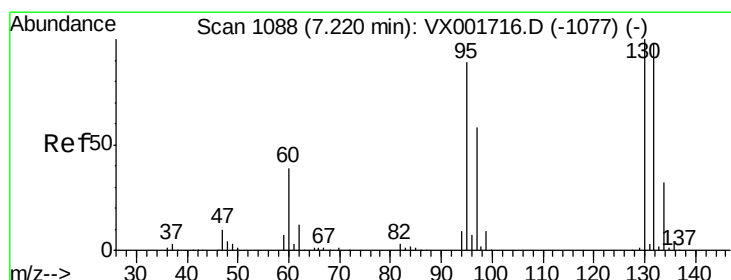
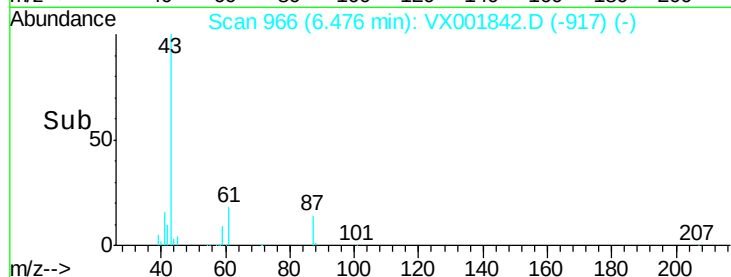
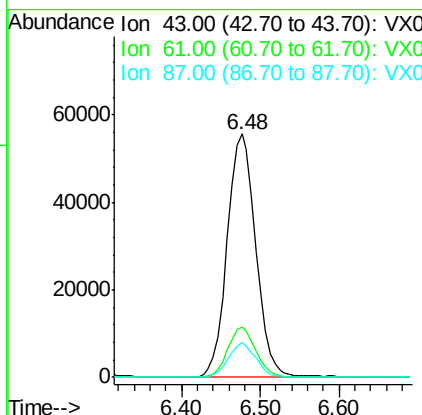
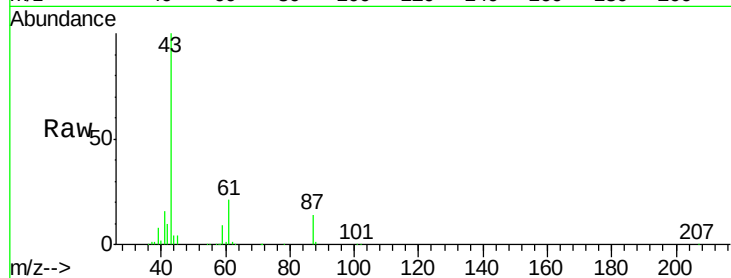
Isopropyl Acetate
 Concen: 20.46 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Tot Ion	43	Resp	139637
Ion Ratio	Lower	Upper	
43	100		
61	20.5	15.8	23.8
87	13.8	11.0	16.4

Manual Integrations
 APPROVED

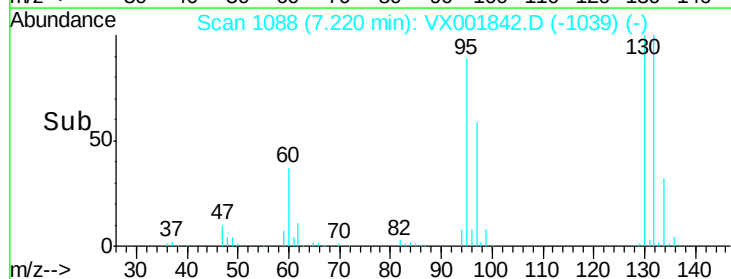
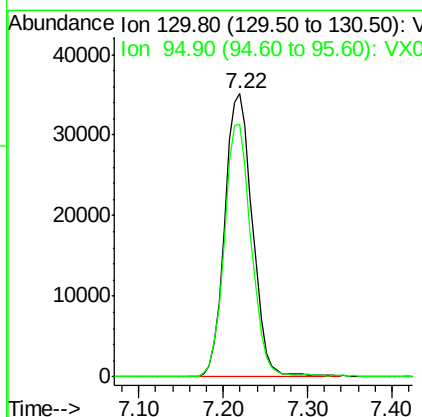
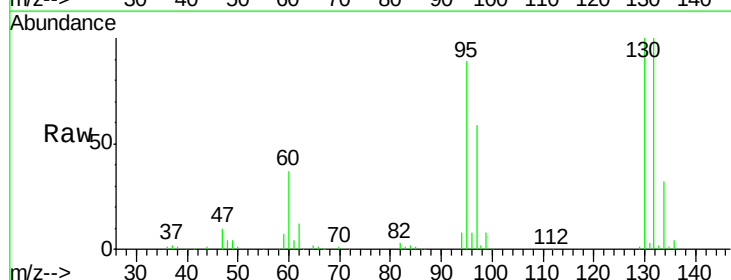
MMDadoda
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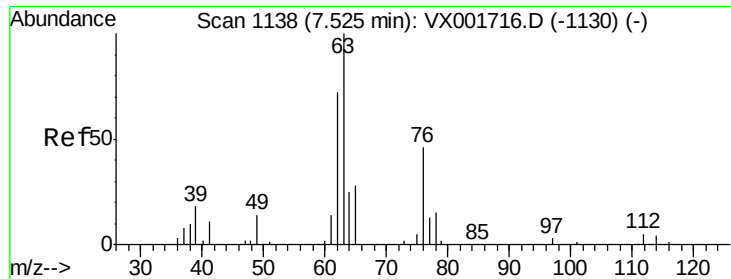


#44

Trichloroethene
 Concen: 20.57 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	130	Resp	78715
Ion Ratio	Lower	Upper	
130	100		
95	89.1	0.0	177.2





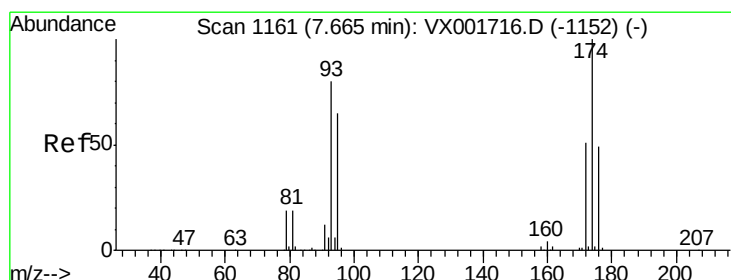
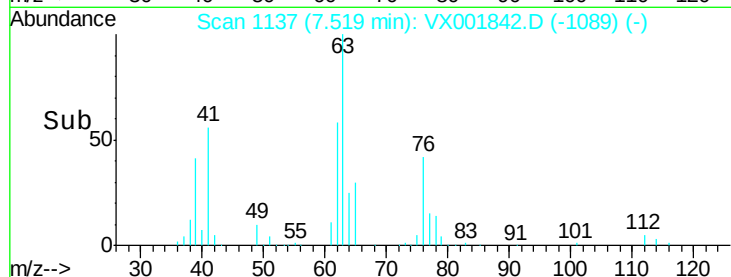
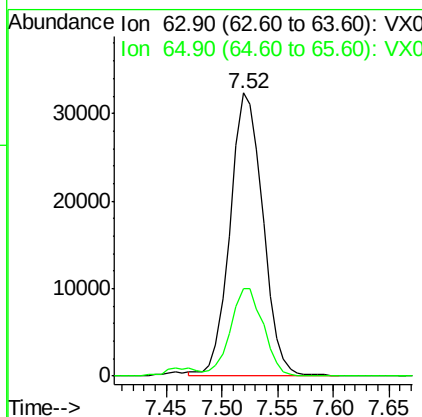
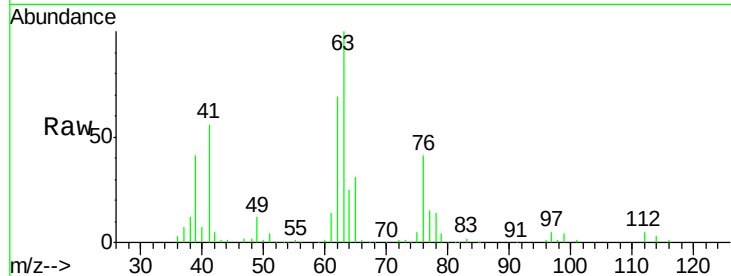
#45
 1,2-Dichloropropane
 Concen: 21.68 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.2	36.2

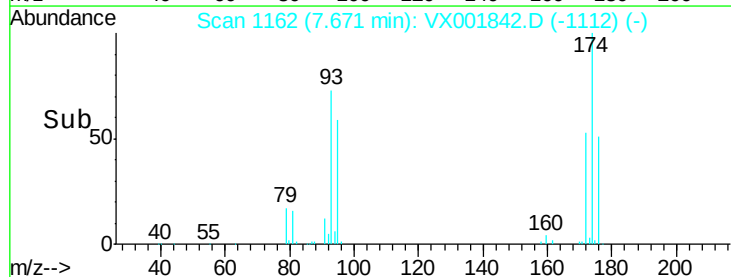
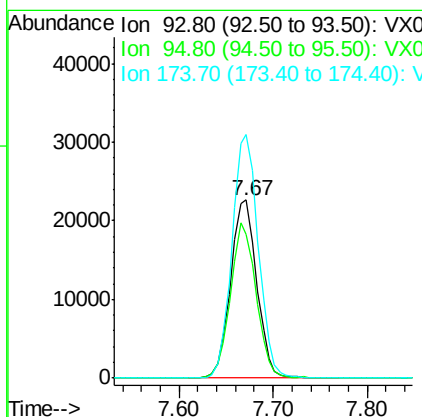
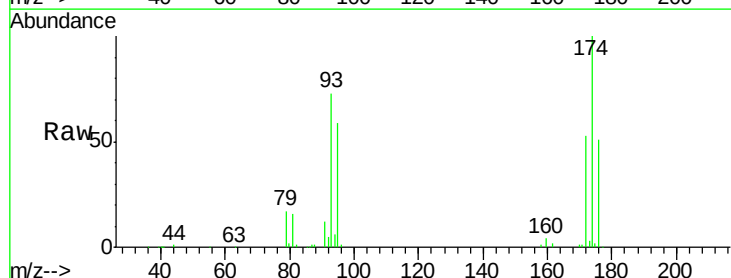
Manual Integrations
 APPROVED

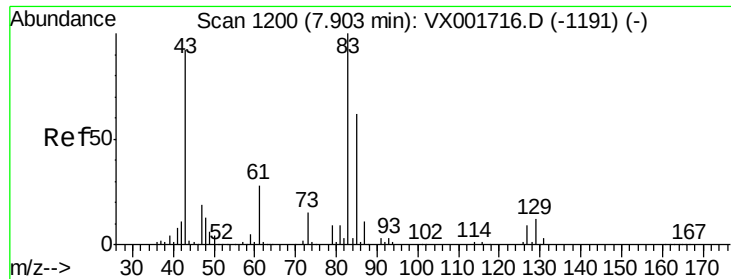
MMDadoda
 5/21/2018 2:40:37 PM



#46
 Dibromomethane
 Concen: 20.62 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.4	65.9	98.9
174	137.4	106.2	159.2





#47

Bromodichloromethane

Concen: 20.95 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

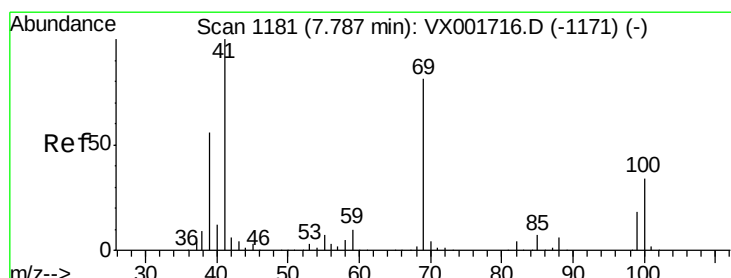
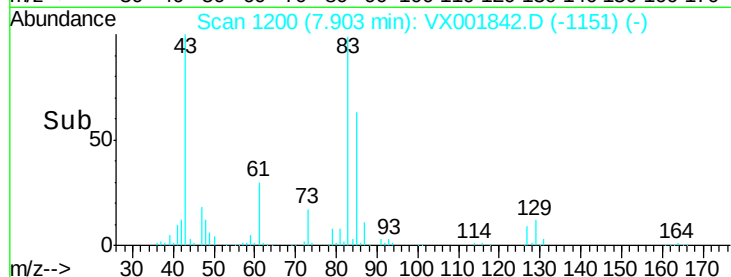
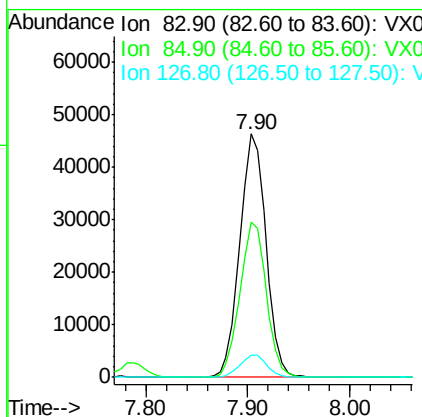
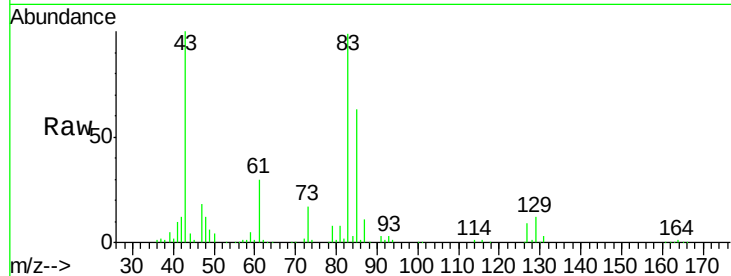
ClientSampleId :

VX0518WBSD01

Tot Ion:	83	Resp:	82589
Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.6	74.4
127	9.1	7.5	11.3

Manual Integrations
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MMDadoda
5/21/2018 2:40:37 PM



#48

Methyl methacrylate

Concen: 20.67 ug/l

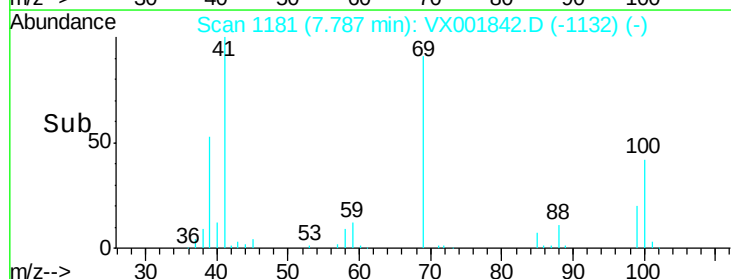
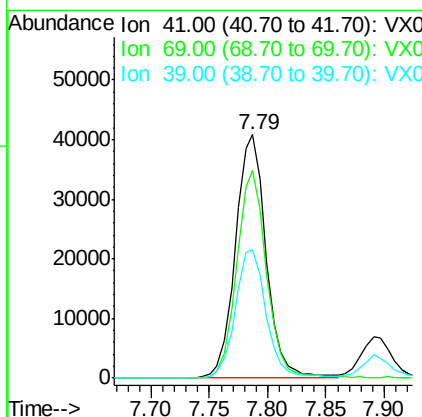
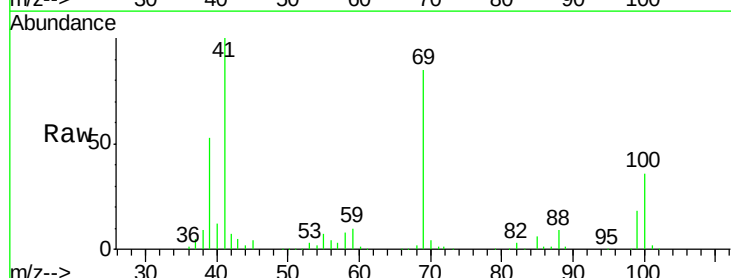
RT: 7.79 min Scan# 1181

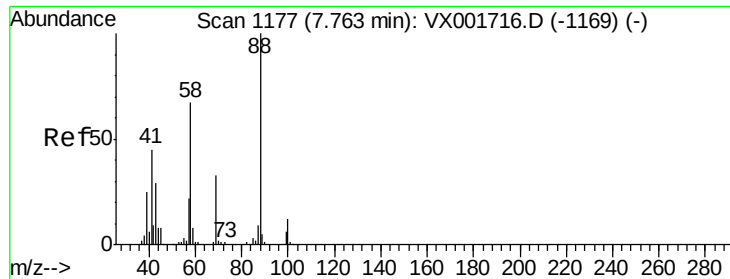
Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Tgt Ion:	41	Resp:	74262
Ion	Ratio	Lower	Upper
41	100		
69	84.0	65.2	97.8
39	52.8	44.5	66.7





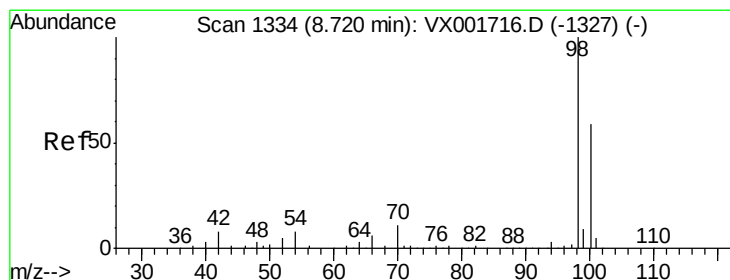
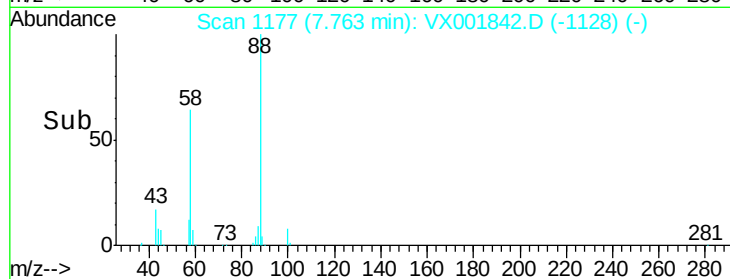
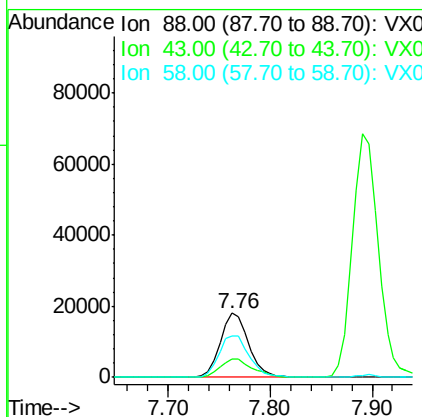
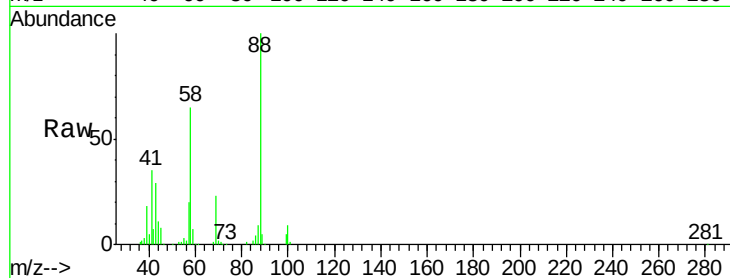
#49
1,4-Dioxane
Concen: 504.64 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	27.3	40.9
58	70.8	55.9	83.9

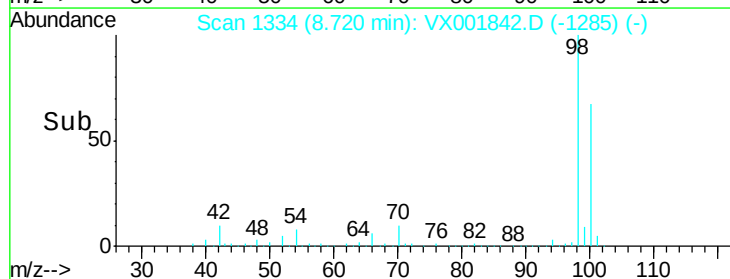
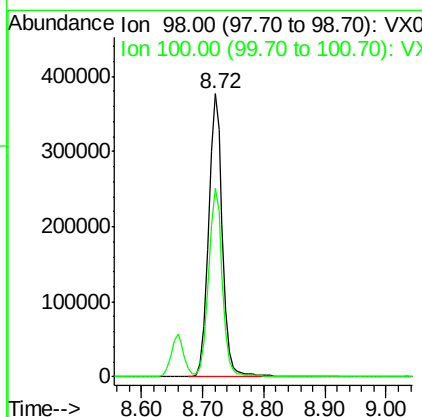
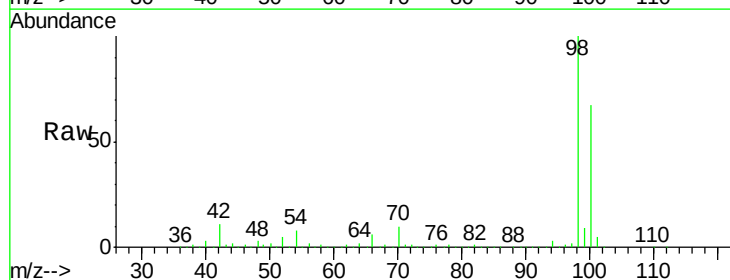
Manual Integrations
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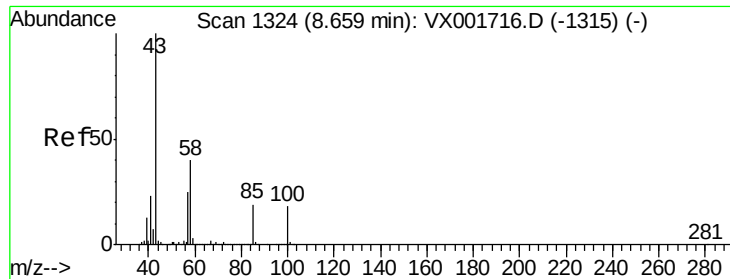
MMDadoda
5/21/2018 2:40:37 PM



#50
Toluene-d8
Concen: 54.80 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	54.0	81.0





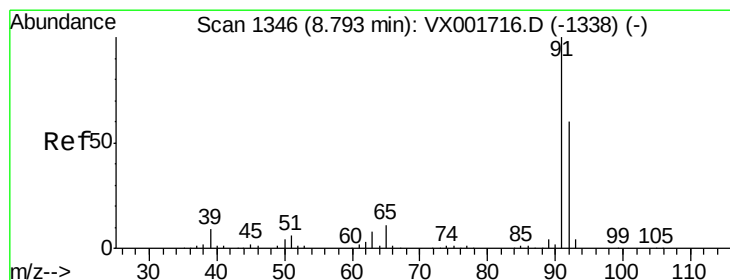
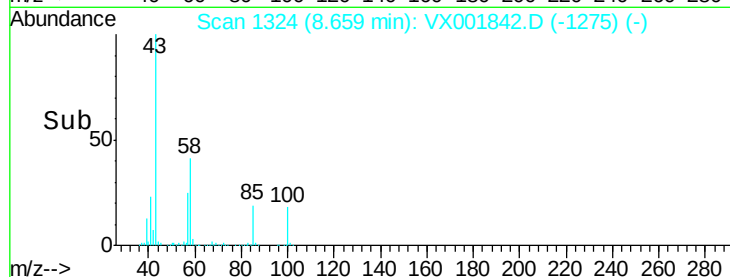
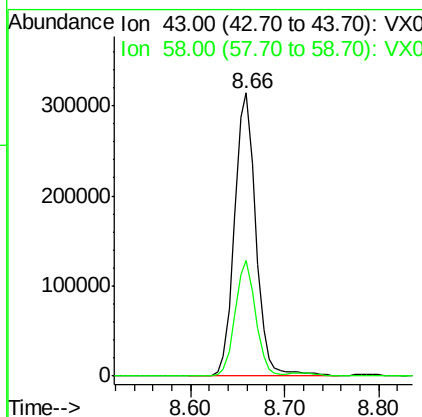
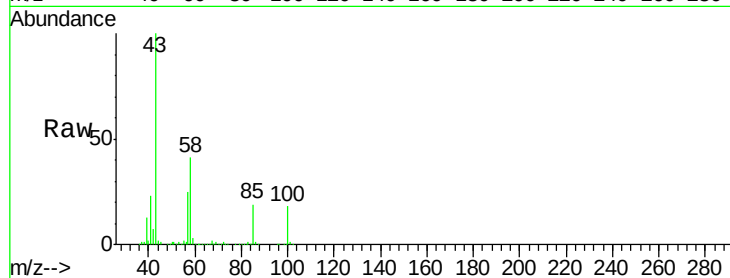
#51
 4-Methyl-2-Pentanone
 Concen: 114.75 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.4	47.0

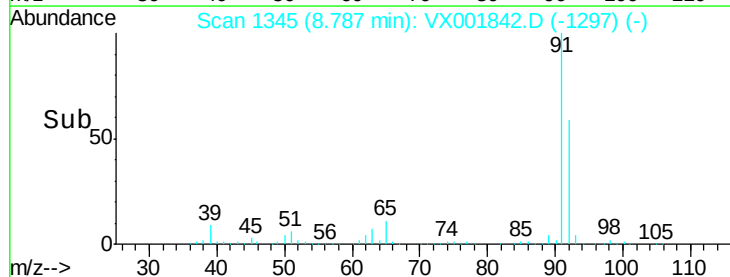
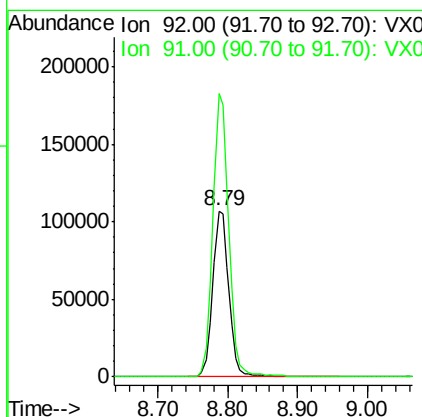
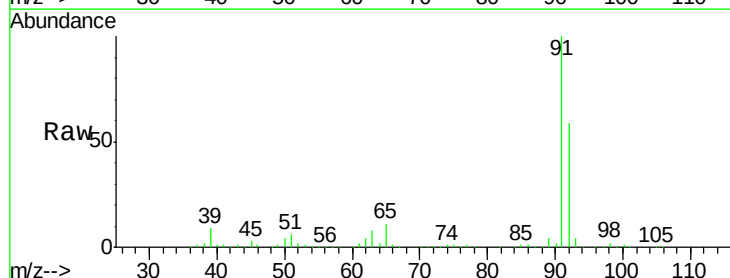
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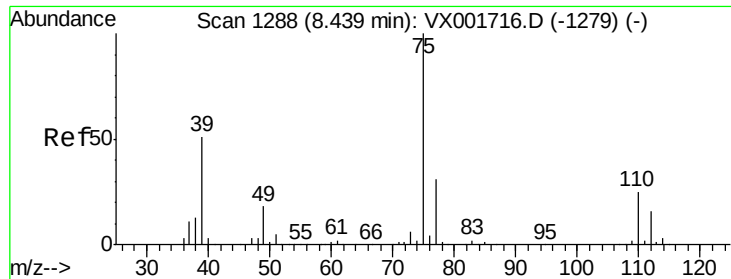
MMDadoda
 5/21/2018 2:40:37 PM



#52
 Toluene
 Concen: 21.62 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.9	135.5	203.3





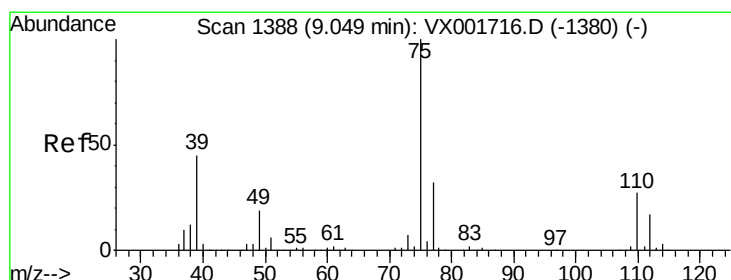
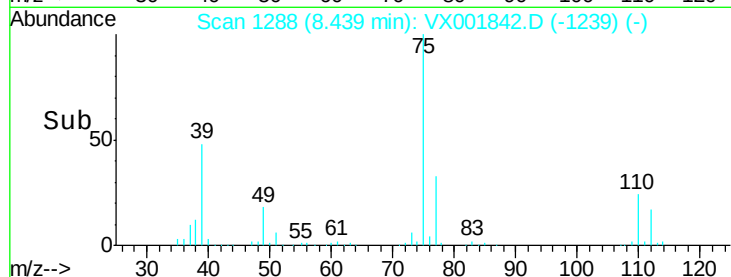
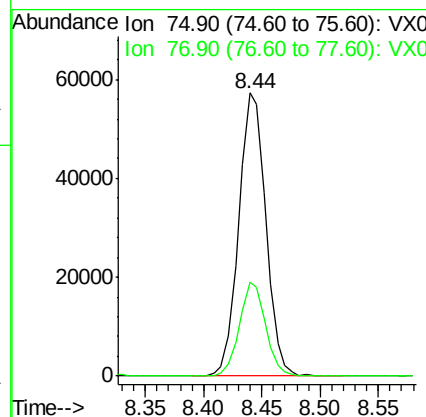
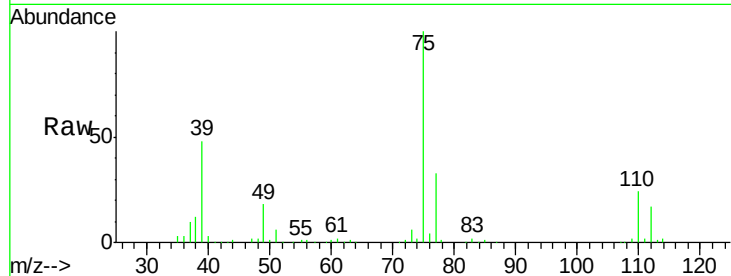
#53
t-1,3-Dichloropropene
Concen: 20.00 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD01

Tot Ion: 75 Resp: 92757
Ion Ratio Lower Upper
75 100
77 33.2 25.0 37.6

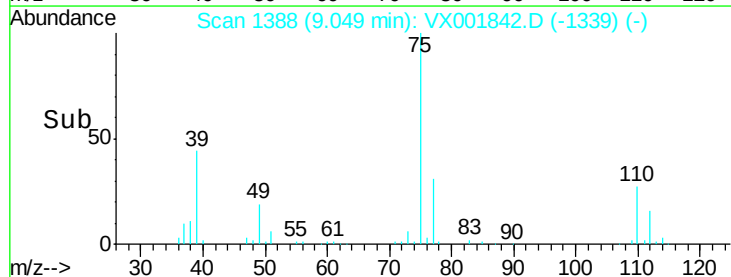
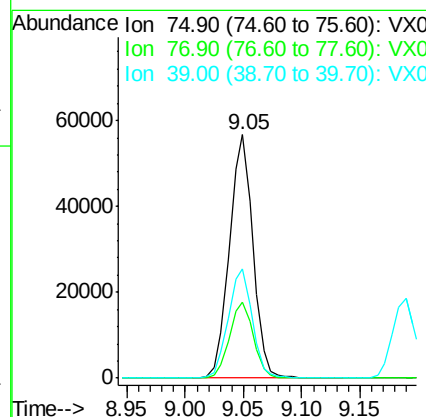
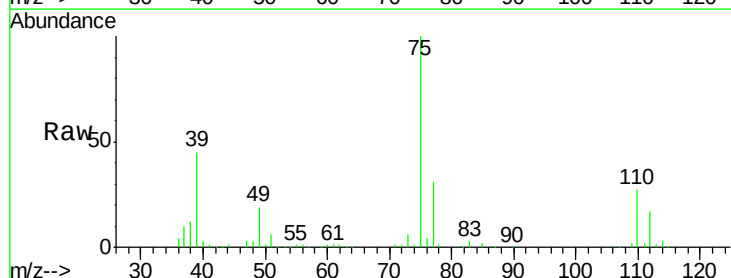
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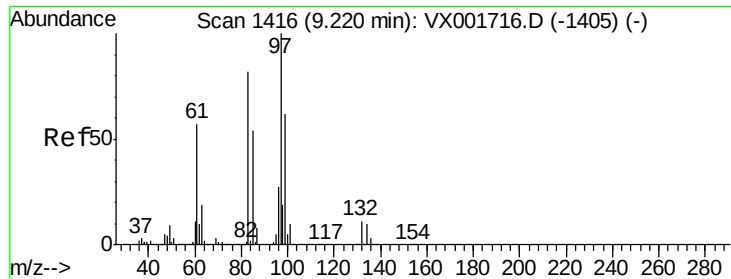
MMDadoda
5/21/2018 2:40:37 PM



#54
cis-1,3-Dichloropropene
Concen: 19.41 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion: 75 Resp: 79329
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2
39 44.5 36.1 54.1





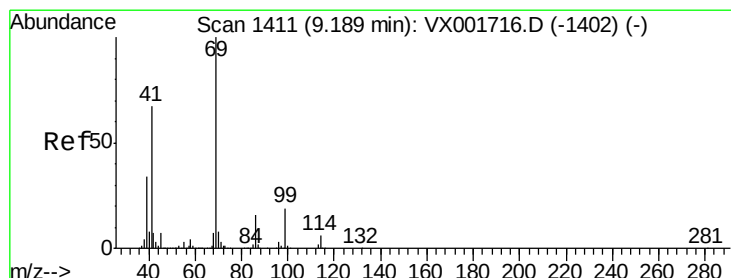
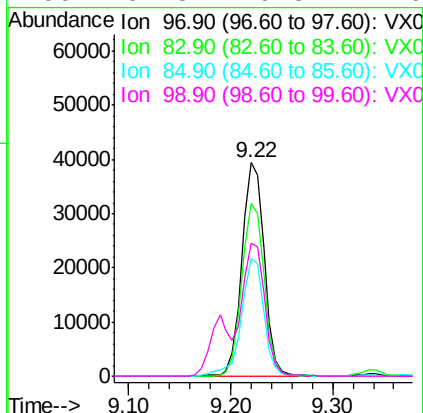
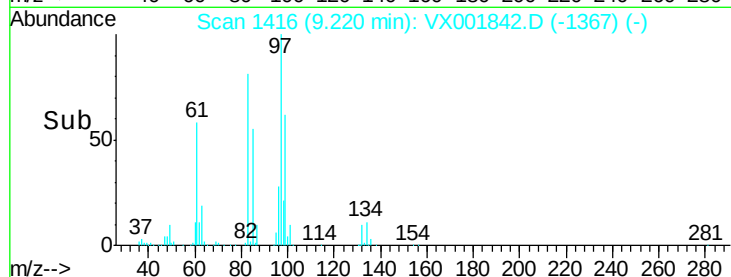
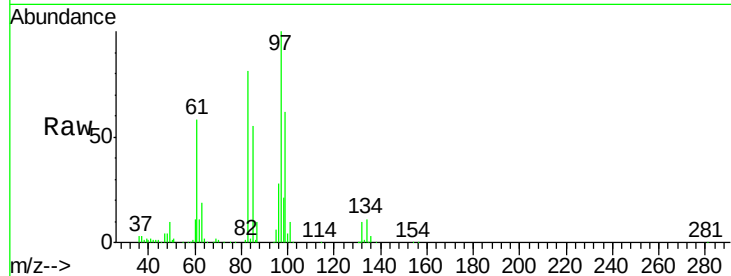
#55
 1,1,2-Trichloroethane
 Concen: 19.71 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		59664		
83	81.1	65.8	98.8		
85	55.1	43.4	65.0		
99	62.3	49.8	74.6		

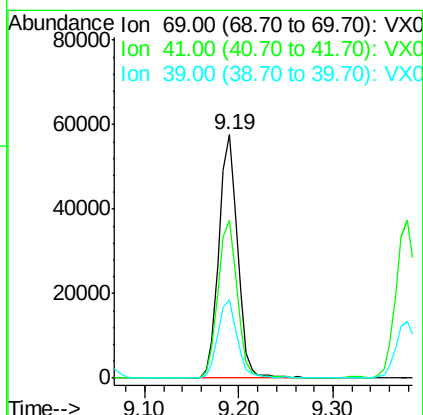
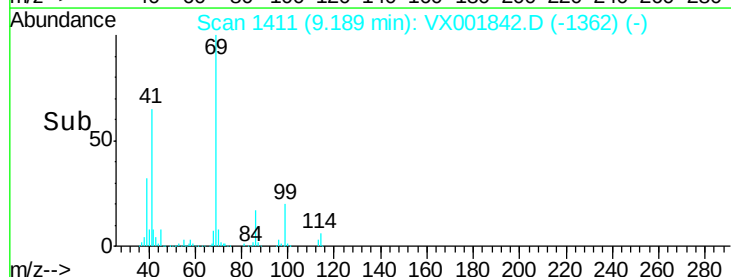
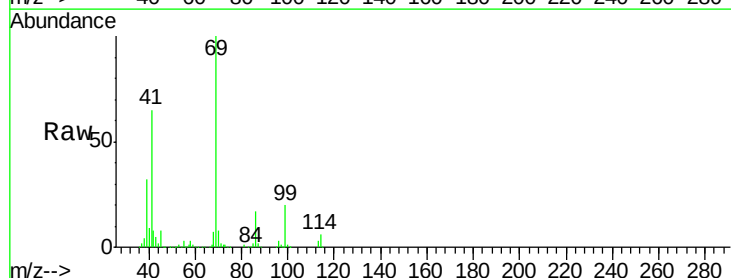
Manual Integrations
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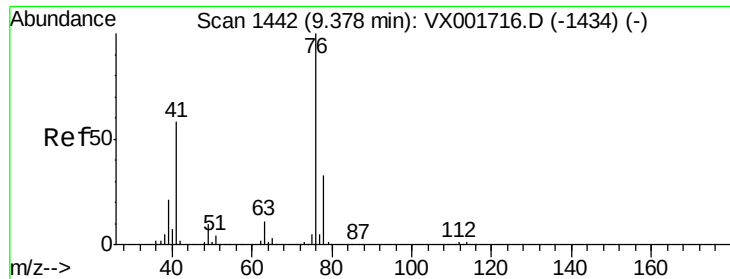
MMDadoda
 5/21/2018 2:40:37 PM



#56
 Ethyl methacrylate
 Concen: 18.64 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		80052		
41	67.4	53.5	80.3		
39	33.8	27.2	40.8		





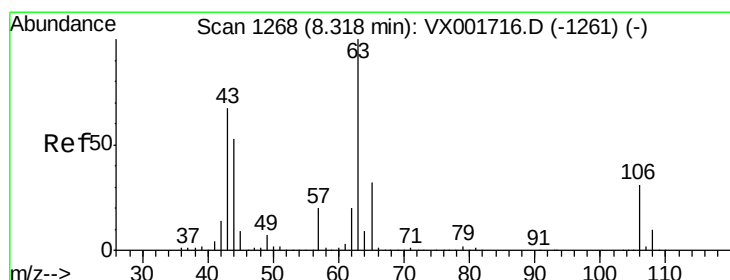
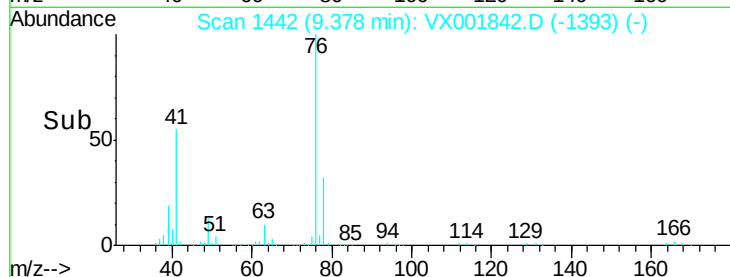
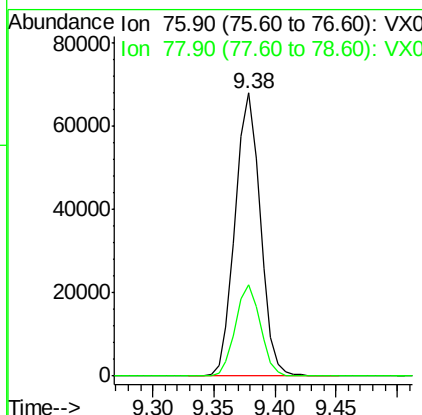
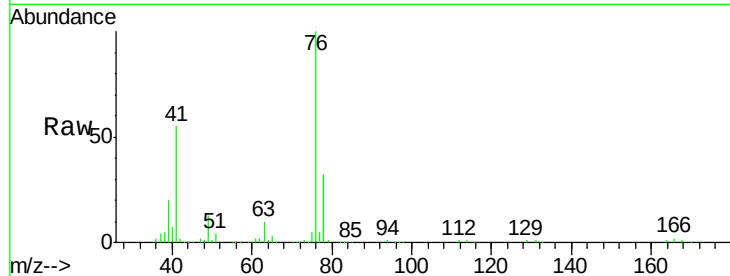
#57
 1,3-Dichloropropane
 Concen: 19.14 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

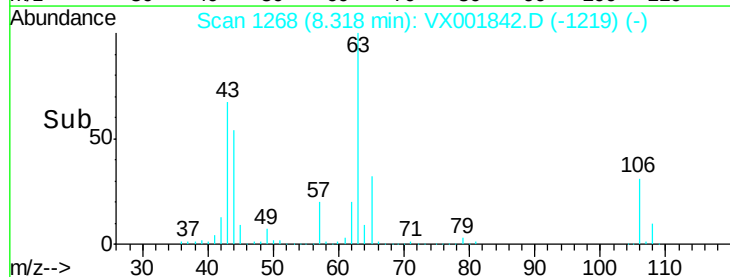
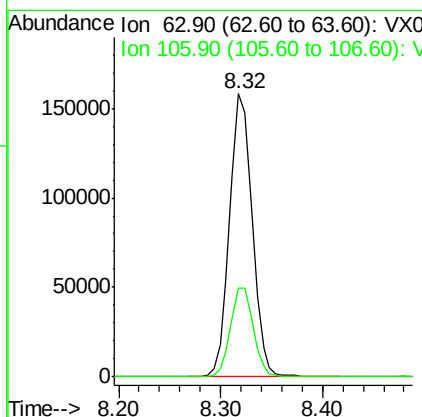
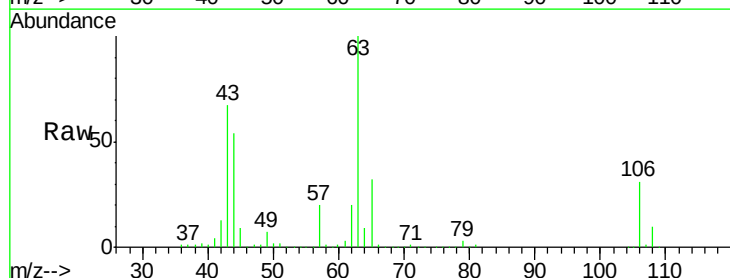
Manual Integrations
 APPROVED

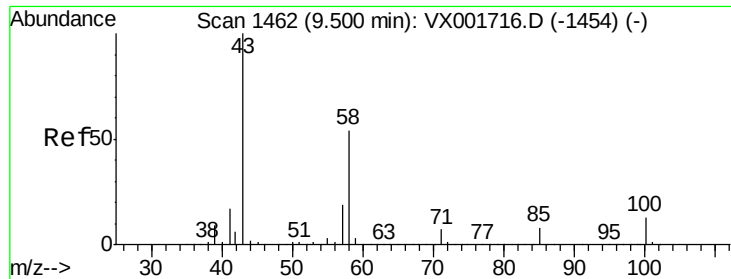
MMDadoda
 5/21/2018 2:40:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.90 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.9	25.1	37.7





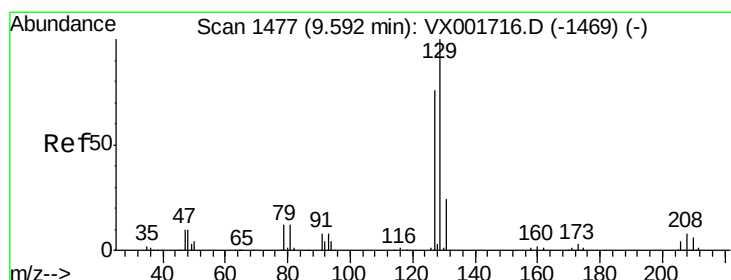
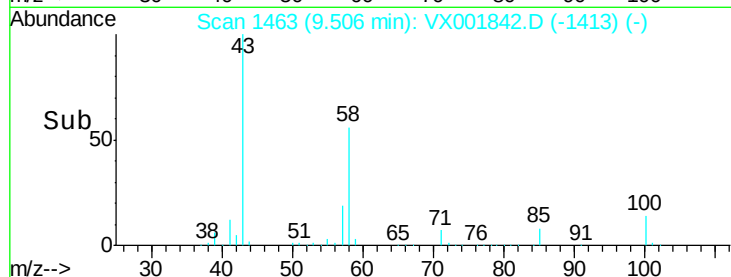
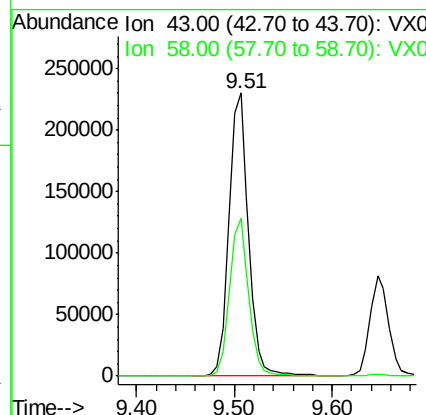
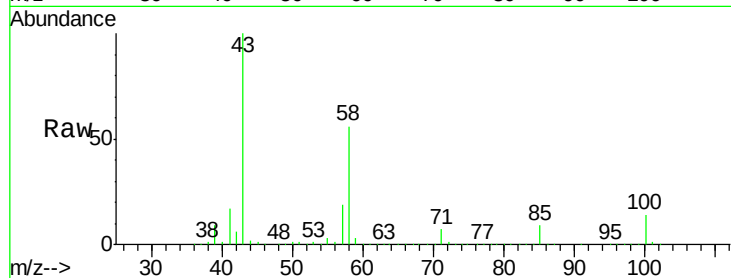
#59
2-Hexanone
Concen: 102.68 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Instrument :
MSVOA_X
ClientSampled :
VX0518WBSD01

Tot Ion: 43 Resp: 317885
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.1

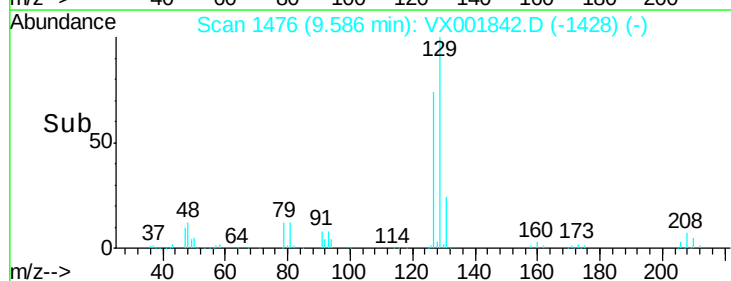
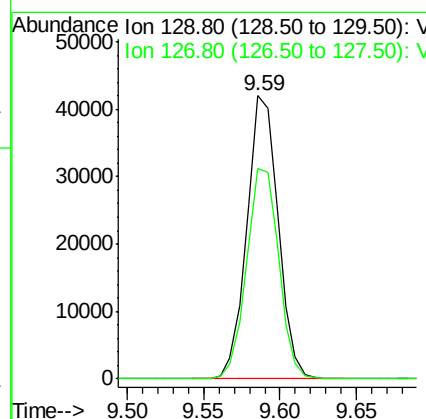
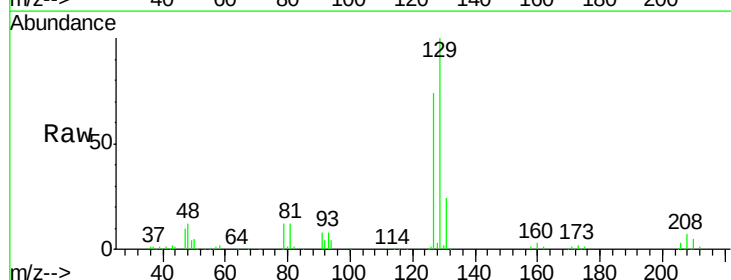
Manual Integrations
APPROVED

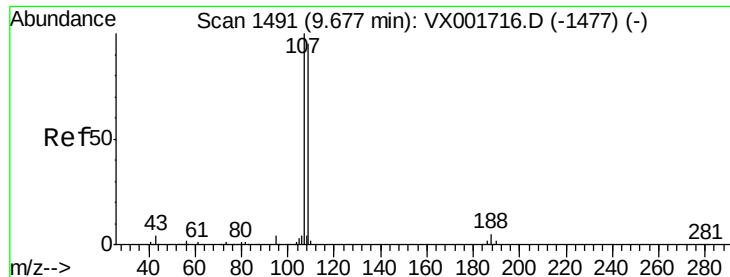
MMDadoda
5/21/2018 2:40:37 PM



#60
Dibromochloromethane
Concen: 19.32 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion: 129 Resp: 59891
Ion Ratio Lower Upper
129 100
127 76.3 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.39 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD01

Tot Ion: 107 Resp: 61463

Ion Ratio Lower Upper

107 100

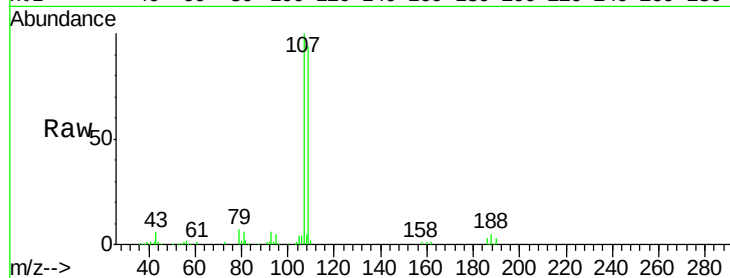
109 93.9 76.2 114.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

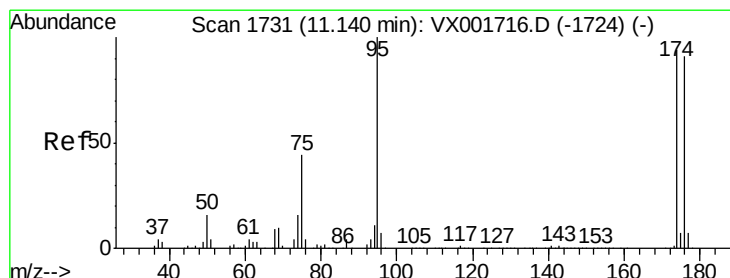
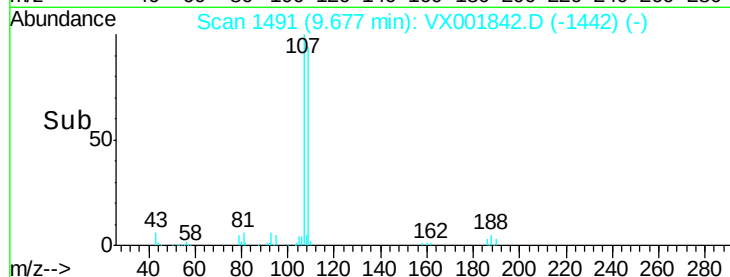
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.57 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

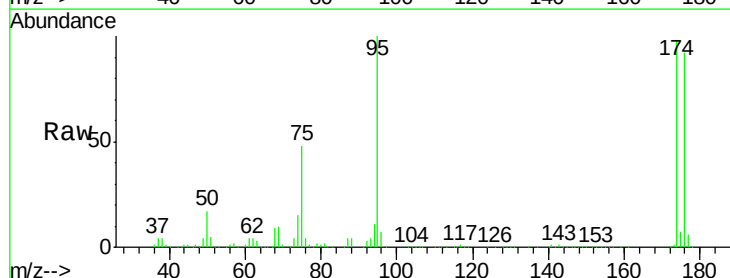
Tgt Ion: 95 Resp: 180228

Ion Ratio Lower Upper

95 100

174 104.4 0.0 201.8

176 100.9 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

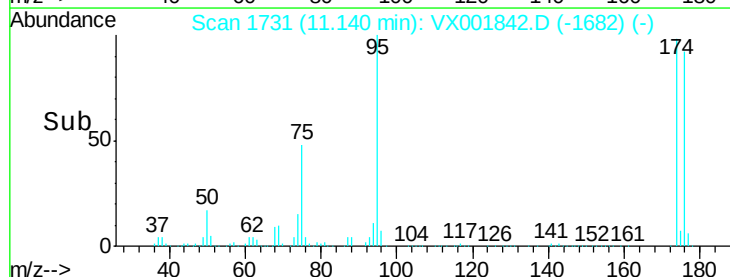
150000

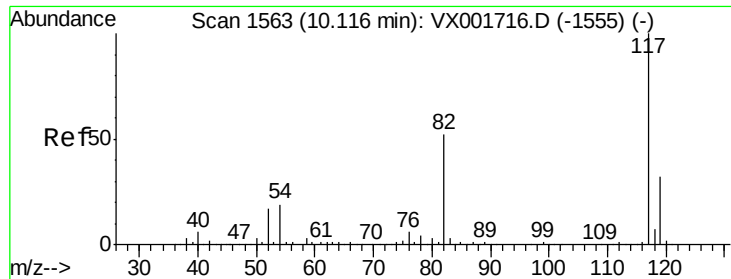
100000

50000

0

Time-->





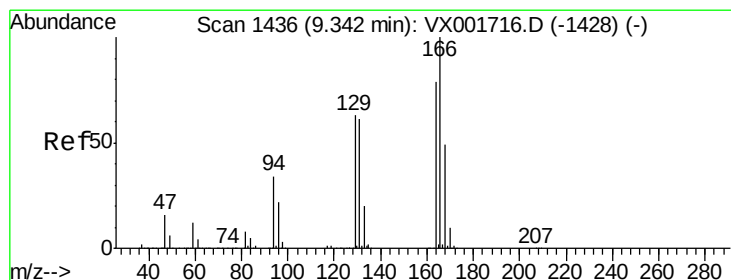
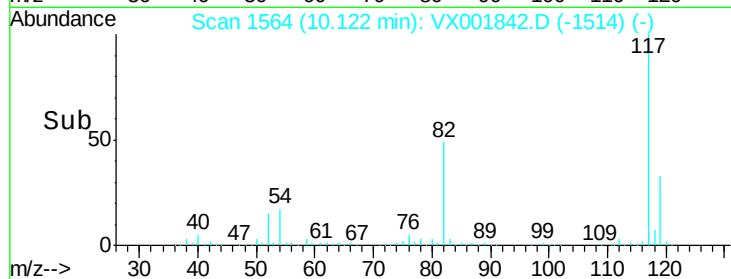
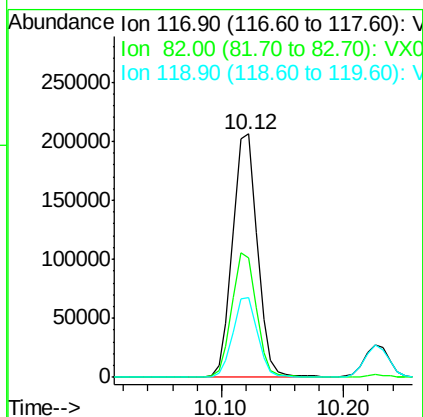
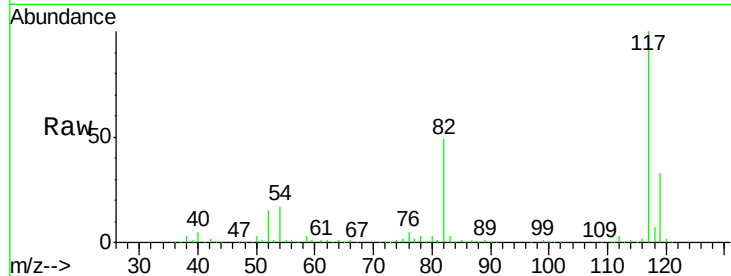
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.9	41.4	62.2
119	32.8	25.6	38.4

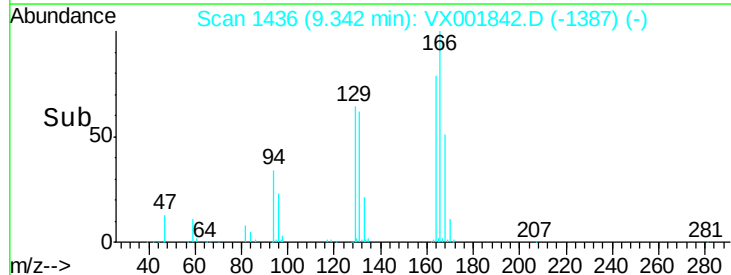
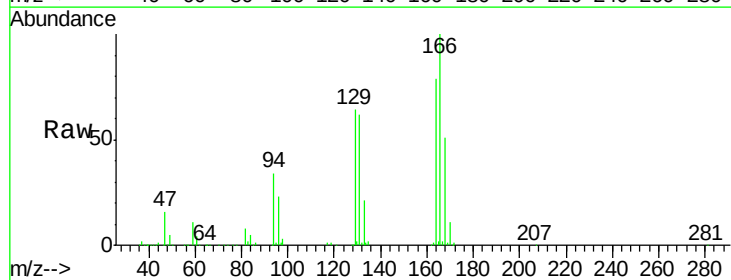
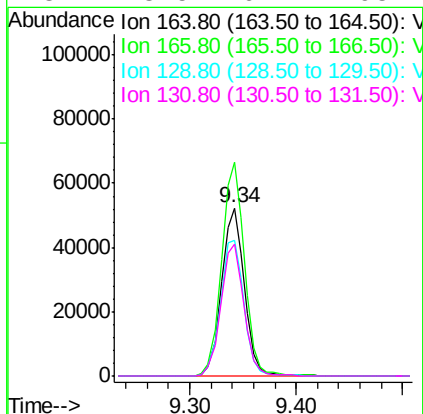
Manual Integrations
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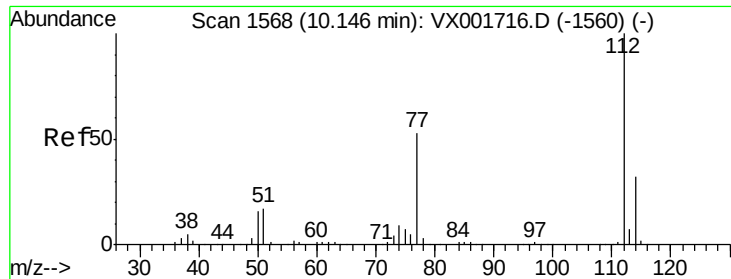
MMDadoda
5/21/2018 2:40:37 PM



#64
Tetrachloroethene
Concen: 20.69 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.8	152.8
129	81.0	63.8	95.6
131	78.5	62.2	93.2





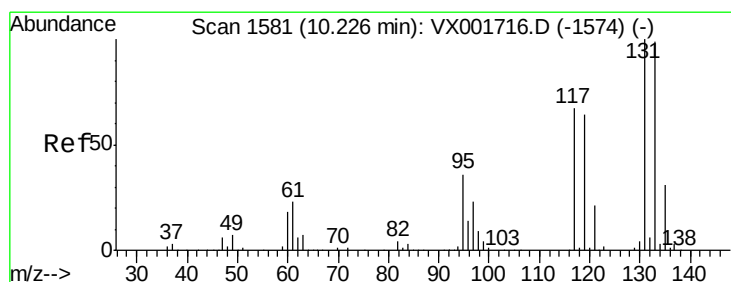
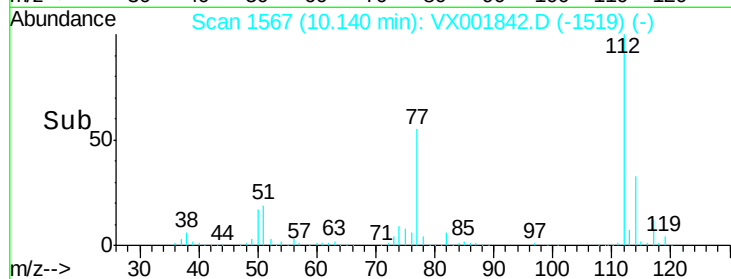
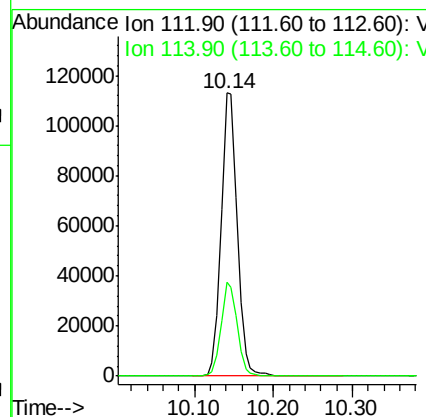
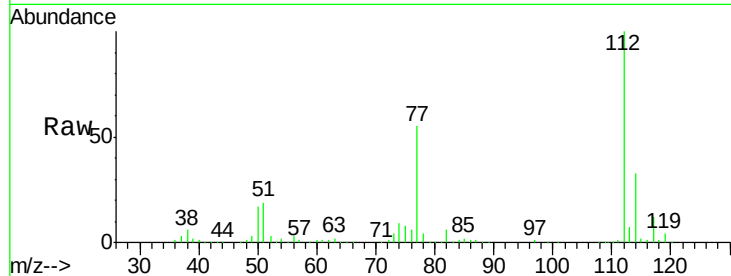
#65
Chlorobenzene
Concen: 20.33 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.6	38.4

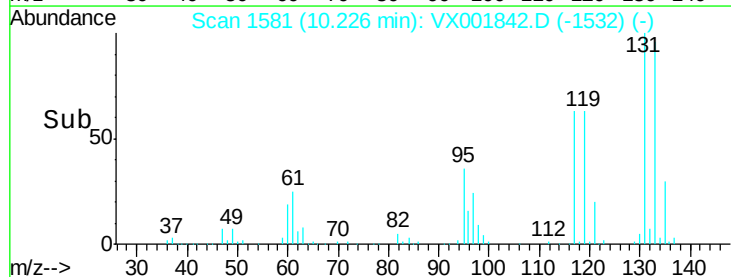
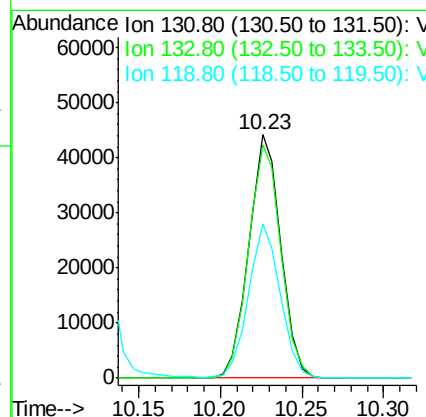
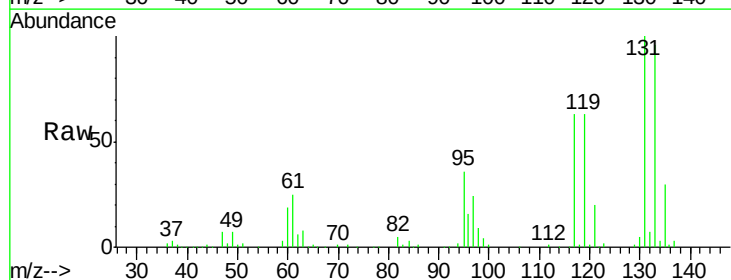
Manual Integrations
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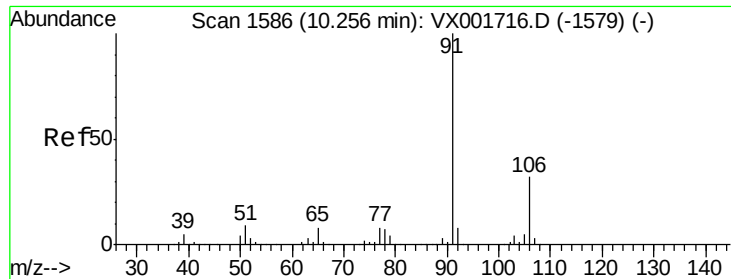
MMDadoda
5/21/2018 2:40:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.34 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	48.5	145.6
119	63.2	31.9	95.5





#67

Ethyl Benzene

Concen: 20.30 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD01

Tot Ion: 91 Resp: 258569

Ion Ratio Lower Upper

91 100

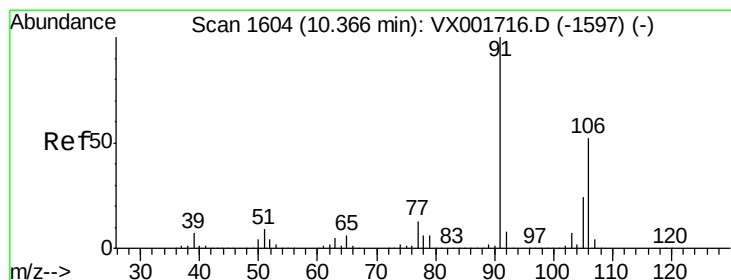
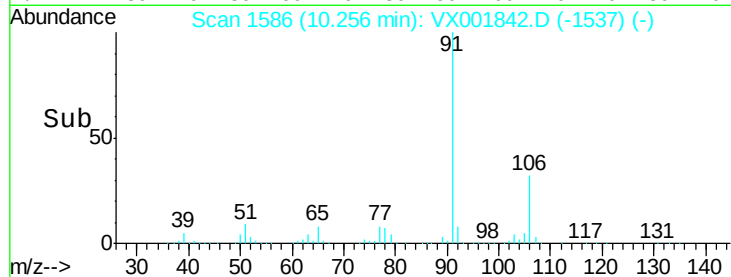
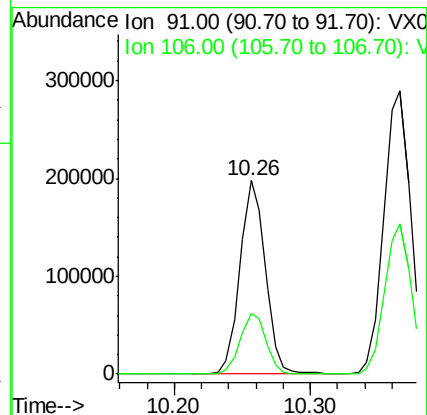
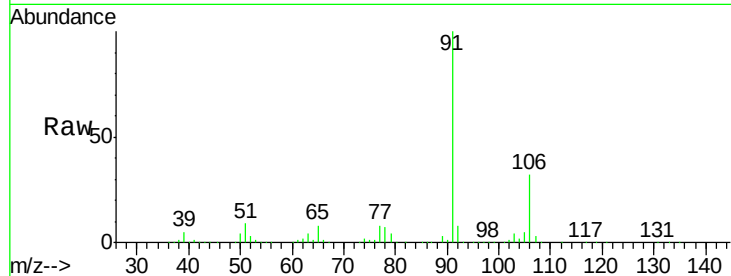
106 31.7 25.7 38.5

Manual Integrations

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5/21/2018 2:40:37 PM



#68

m/p-Xylenes

Concen: 42.03 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001842.D

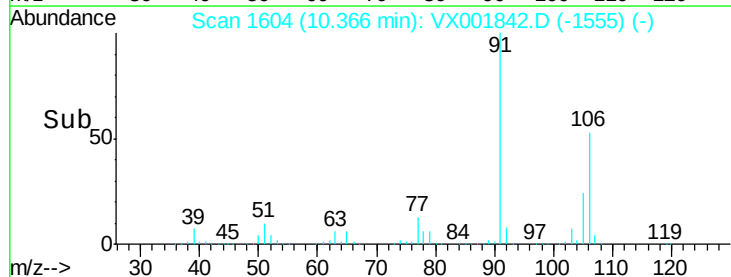
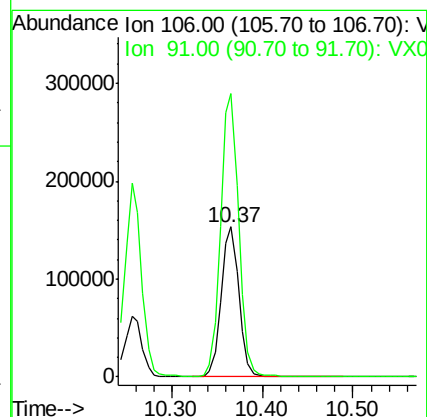
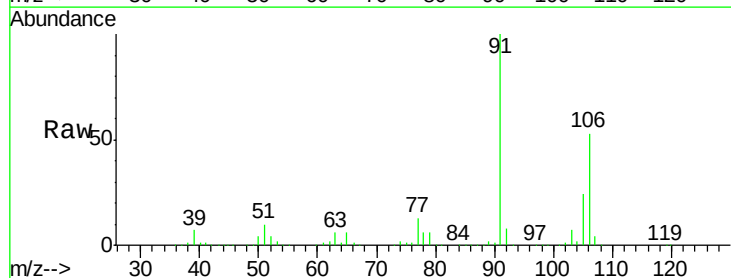
Acq: 18 May 2018 22:27

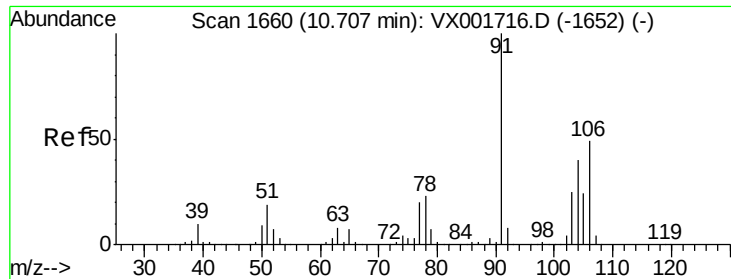
Tgt Ion: 106 Resp: 211222

Ion Ratio Lower Upper

106 100

91 191.7 155.4 233.2





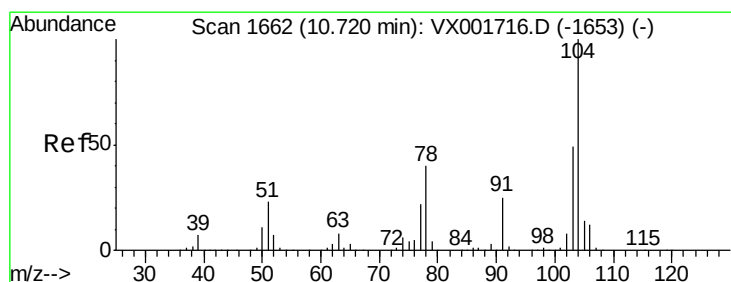
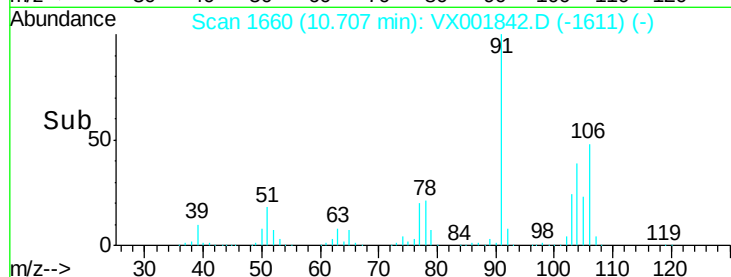
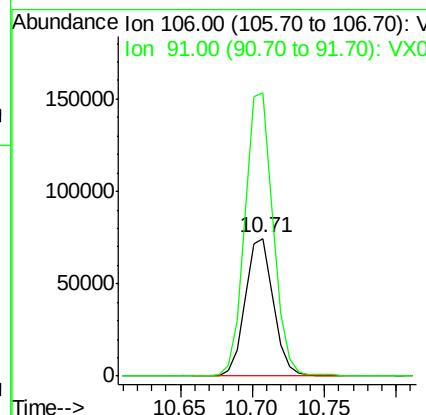
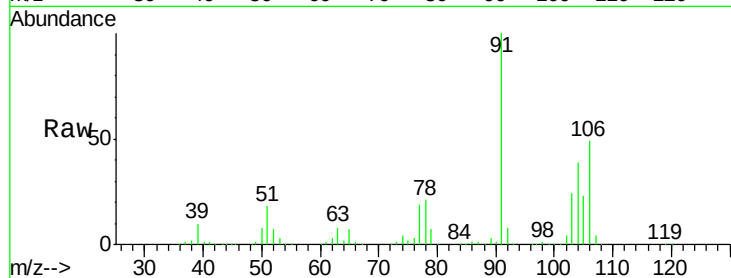
#69
o-Xylene
Concen: 20.94 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Instrument :
MSVOA_X
ClientSampled :
VX0518WBSD01

Tot Ion:106 Resp: 100765
Ion Ratio Lower Upper
106 100
91 206.8 103.4 310.2

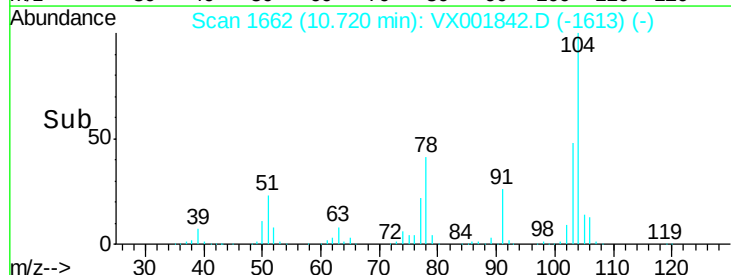
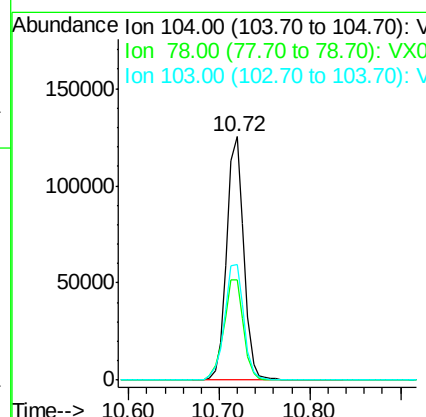
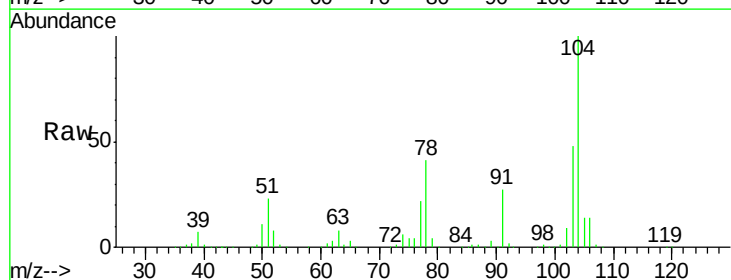
Manual Integrations
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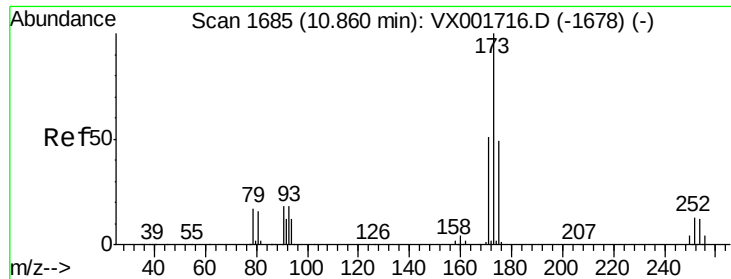
MMDadoda
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#70
Styrene
Concen: 20.88 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion:104 Resp: 165706
Ion Ratio Lower Upper
104 100
78 47.2 37.3 55.9
103 53.4 43.7 65.5





#71

Bromoform

Concen: 19.80 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD01

Tot Ion:173 Resp: 46936

Ion Ratio Lower Upper

173 100

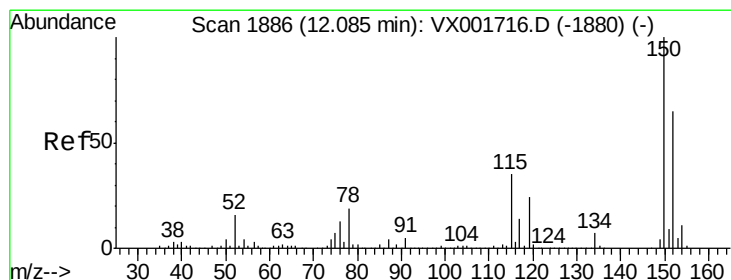
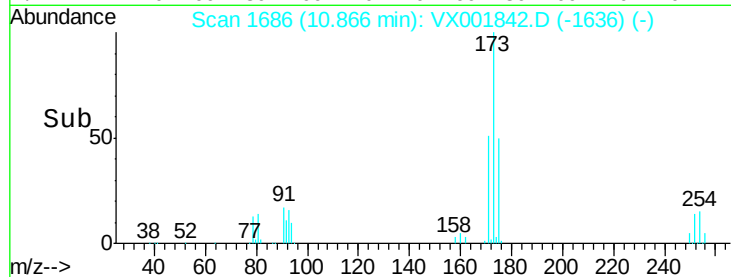
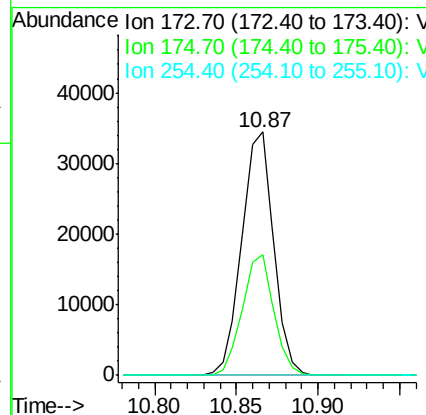
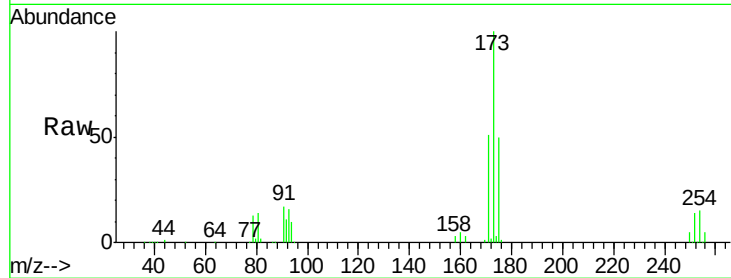
175 49.2 24.3 72.8

254 0.0 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

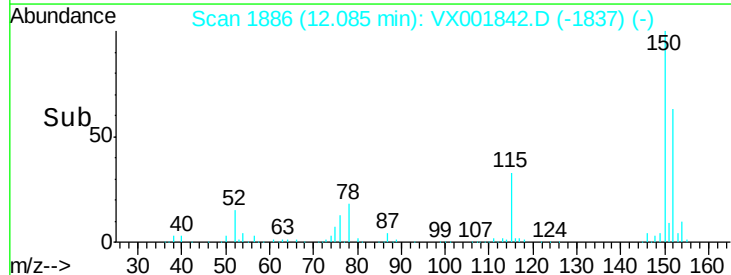
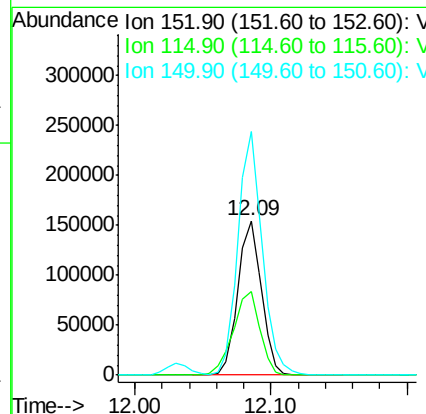
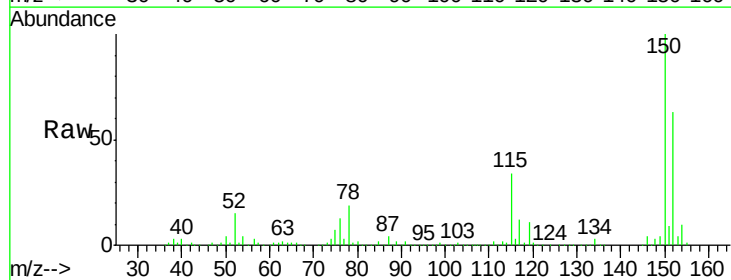
Tgt Ion:152 Resp: 186170

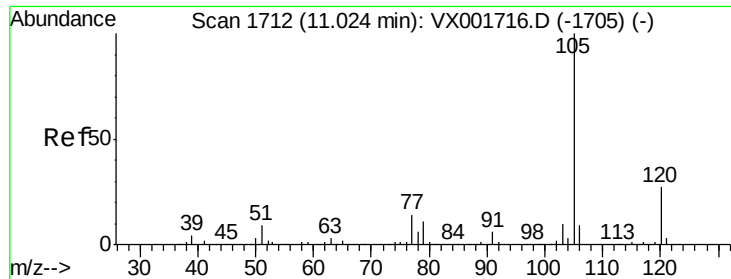
Ion Ratio Lower Upper

152 100

115 61.7 37.4 112.2

150 163.6 0.0 344.8





#73

Isopropylbenzene

Concen: 22.18 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD01

Tot Ion:105 Resp: 271913

Ion Ratio Lower Upper

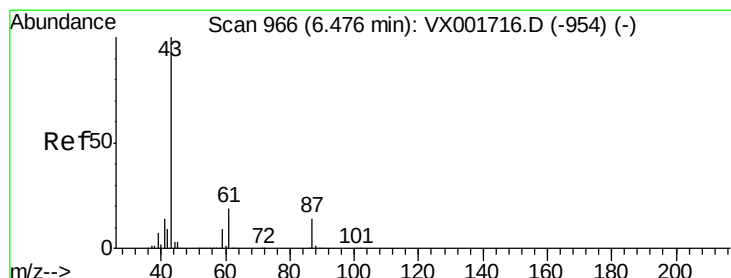
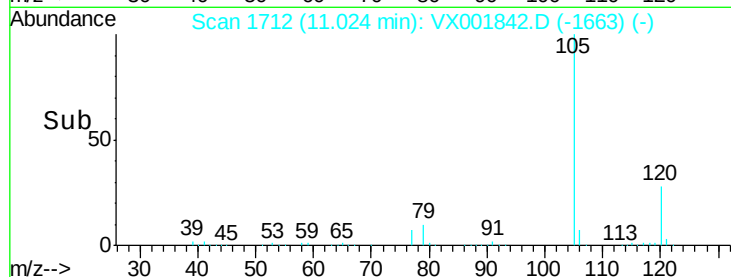
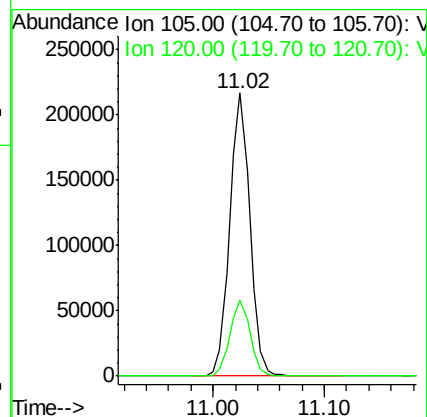
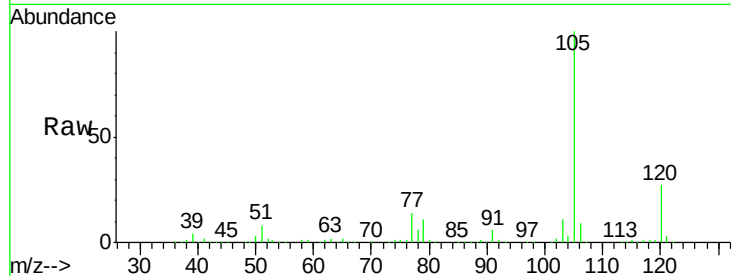
105 100

120 27.2 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 23.76 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Tgt Ion: 43 Resp: 139637

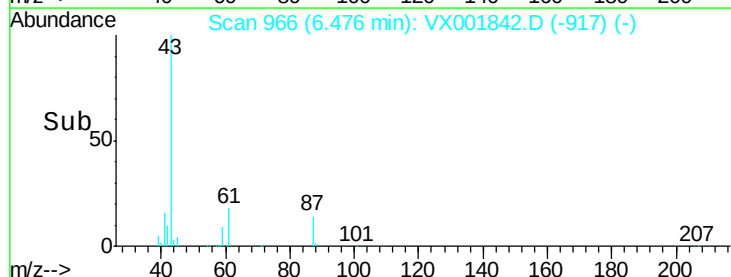
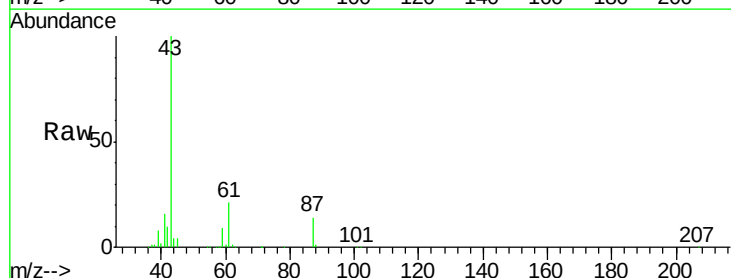
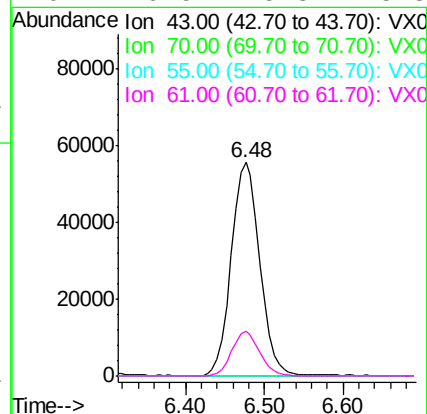
Ion Ratio Lower Upper

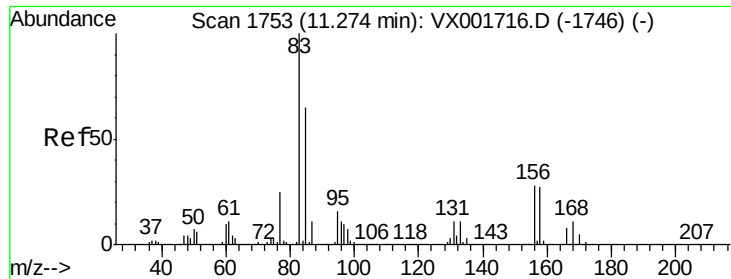
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 20.5 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.45 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

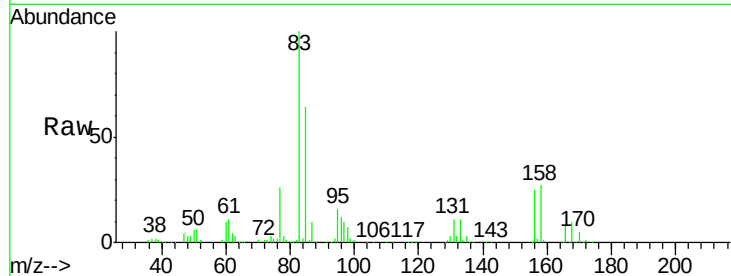
ClientSampled :

VX0518WBSD01

Tot Ion	83	Resp	82576
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.7	17.0
85	64.0	32.7	98.1

Manual Integrations
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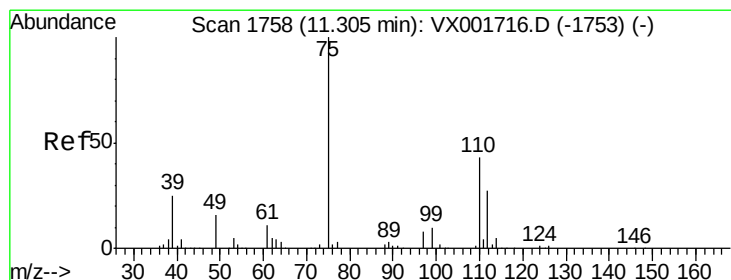
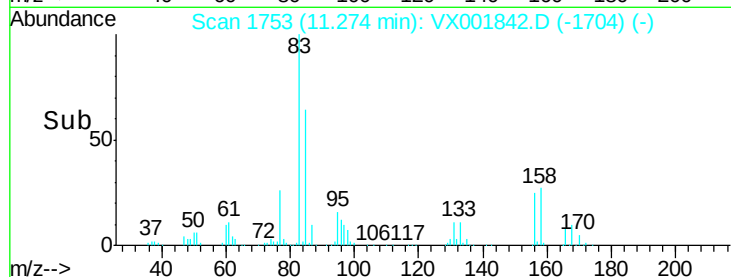
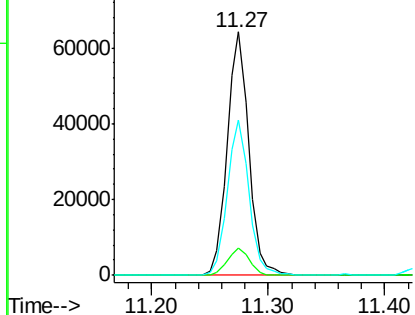
MMDadoda
5/21/2018 2:40:37 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.31 ug/l m

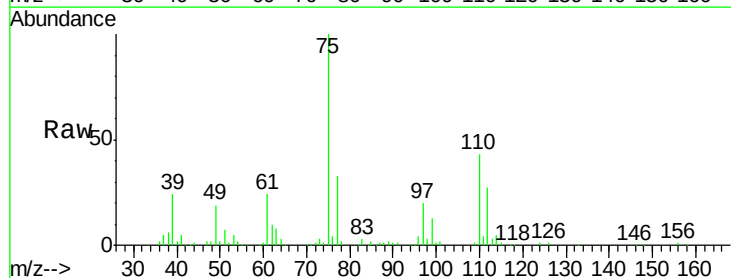
RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001842.D

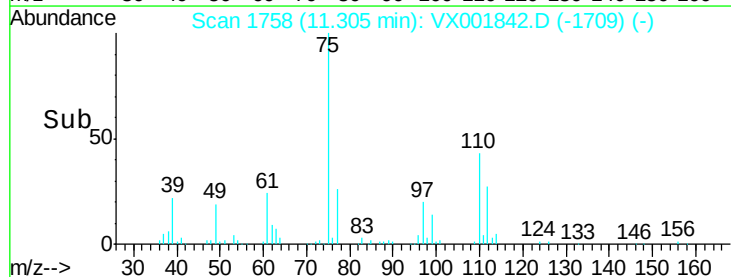
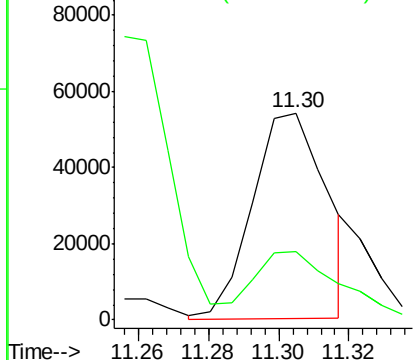
Acq: 18 May 2018 22:27

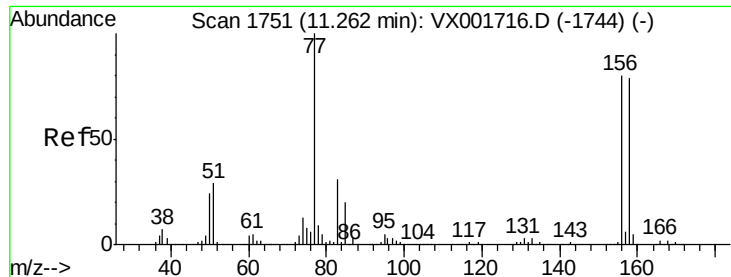
Tgt Ion	75	Resp	78969
Ion	Ratio	Lower	Upper
75	100		
77	37.4	18.9	56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.77 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

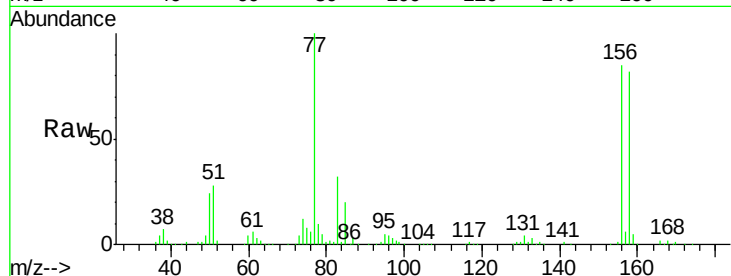
ClientSampleId :

VX0518WBSD01

Tot Ion:	156	Resp:	78444
Ion	Ratio	Lower	Upper
156	100		
77	127.8	65.3	196.0
158	98.7	49.1	147.3

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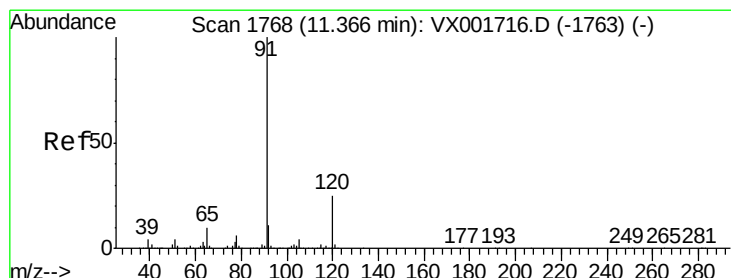
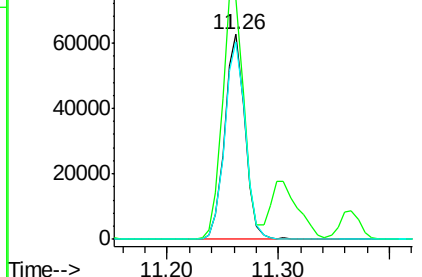
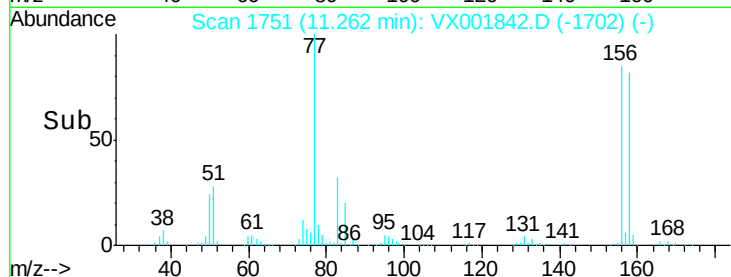
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.09 ug/l

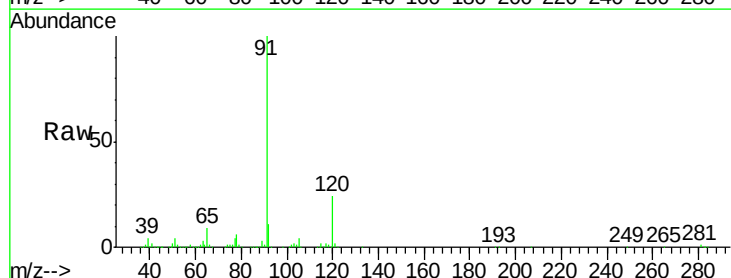
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001842.D

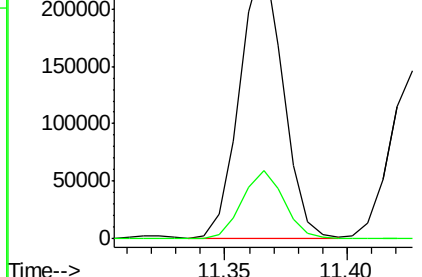
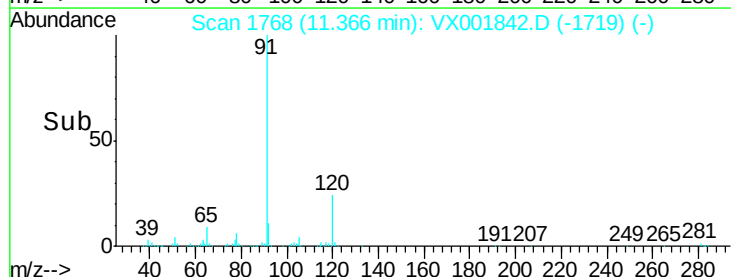
Acq: 18 May 2018 22:27

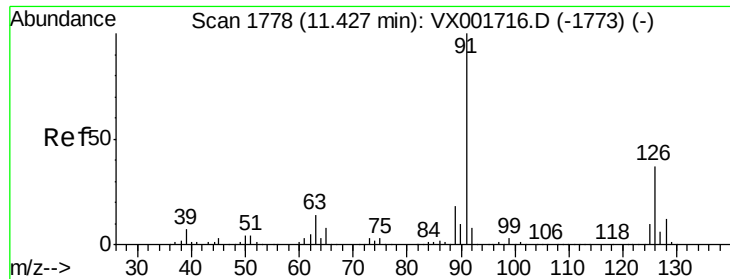
Tgt Ion:	91	Resp:	291346
Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.71 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD01

Tot Ion: 91 Resp: 179374

Ion Ratio Lower Upper

91 100

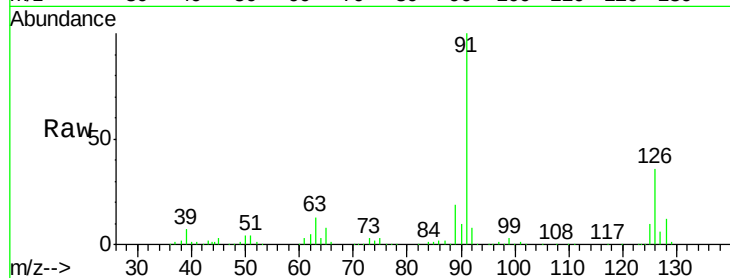
126 36.8 18.4 55.4

Manual Integrations

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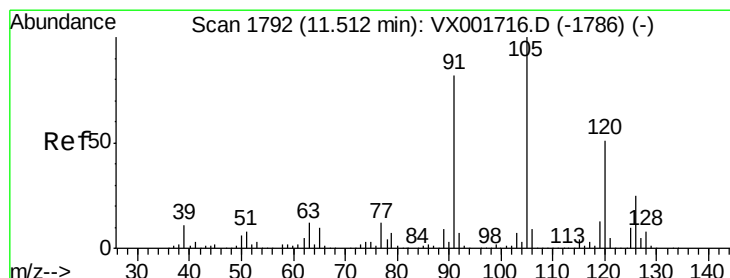
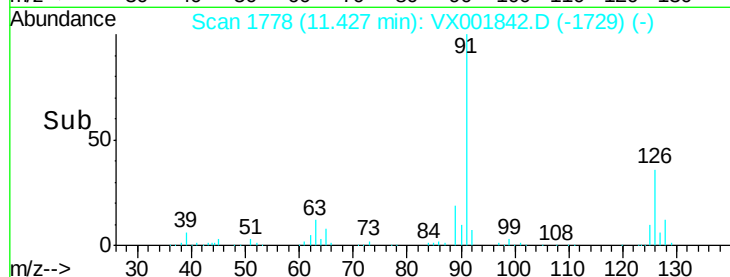
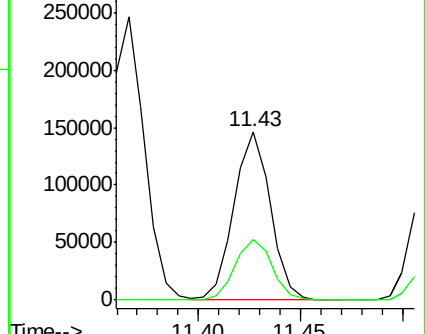
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.40 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001842.D

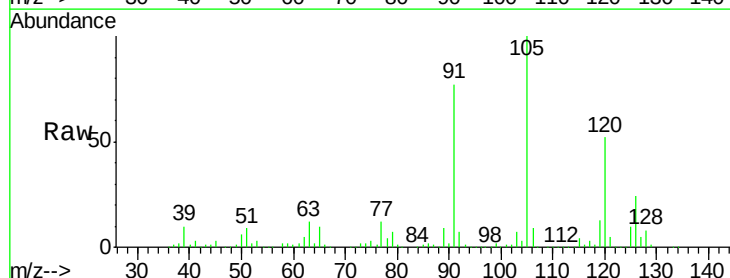
Acq: 18 May 2018 22:27

Tgt Ion:105 Resp: 225264

Ion Ratio Lower Upper

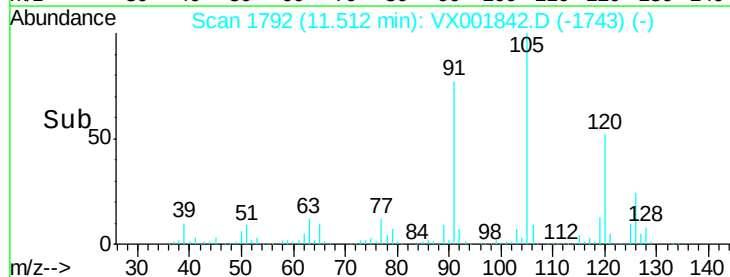
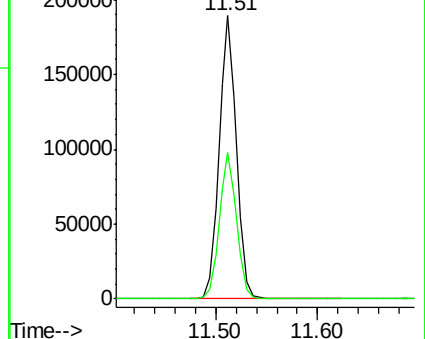
105 100

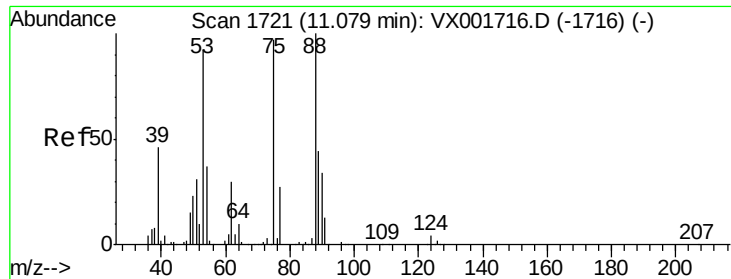
120 51.4 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.91 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

VX0518WBSD01

Tot Ion: 75 Resp: 18576

Ion Ratio Lower Upper

75 100

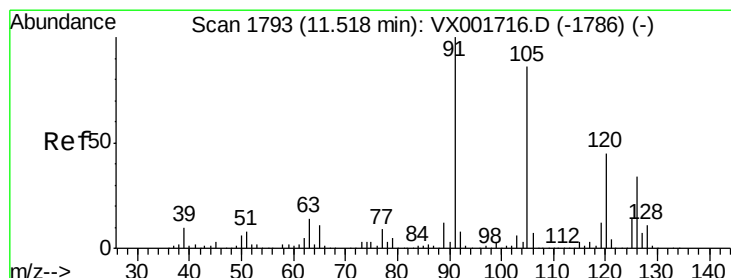
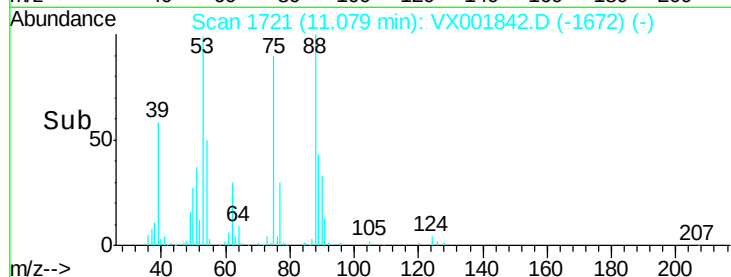
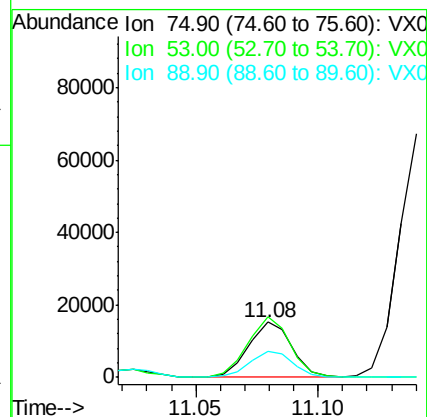
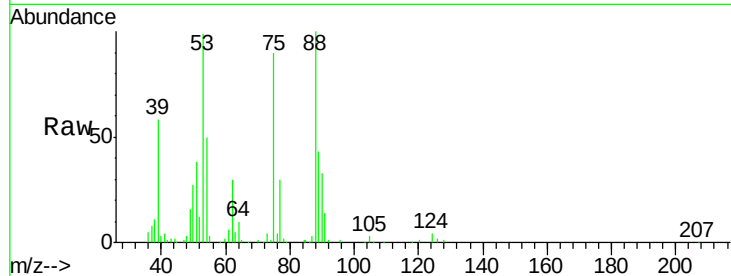
53 108.4 79.4 119.2

89 49.4 38.8 58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.93 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001842.D

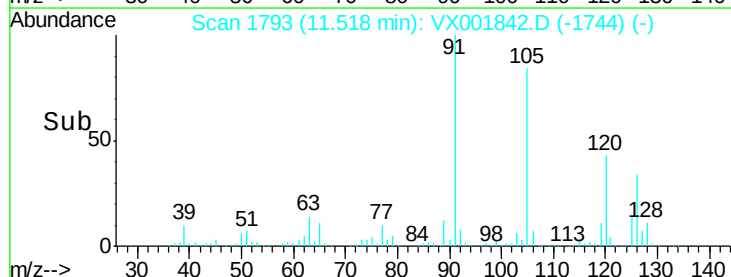
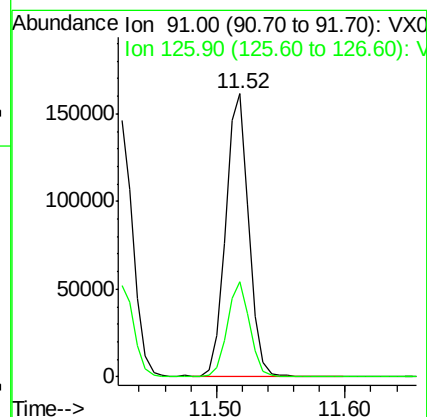
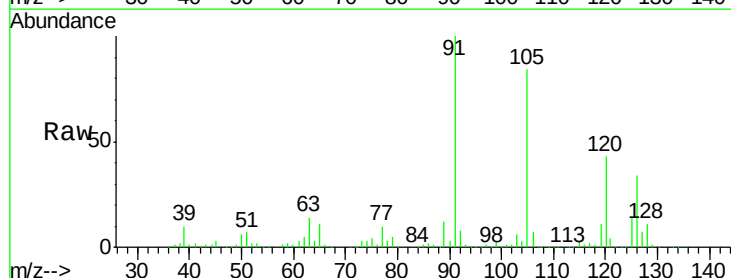
Acq: 18 May 2018 22:27

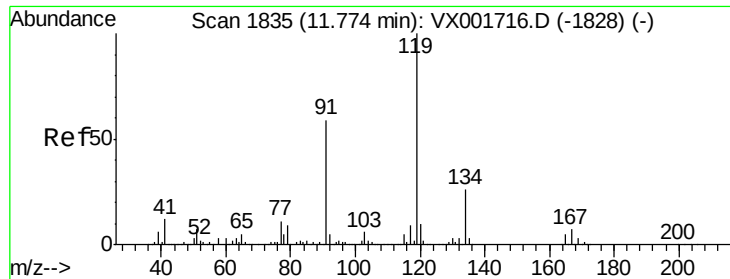
Tgt Ion: 91 Resp: 203666

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.1





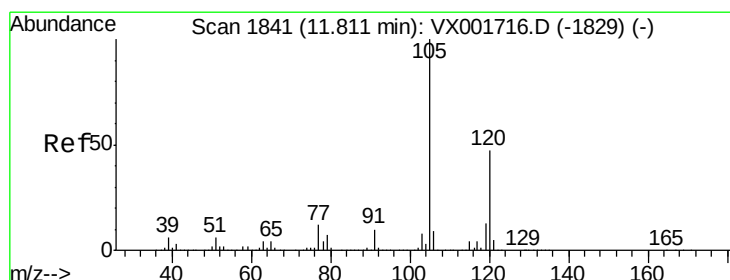
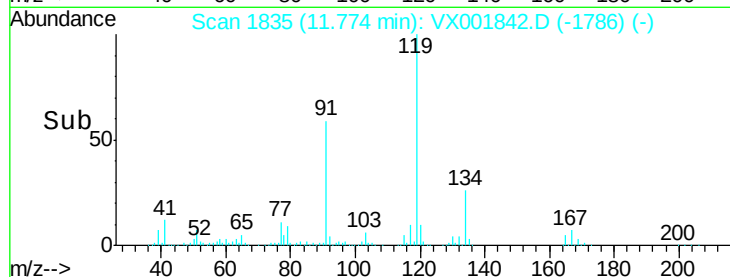
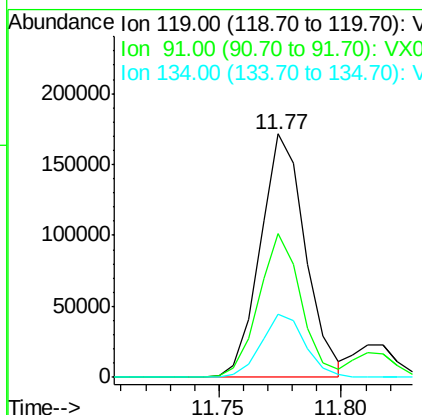
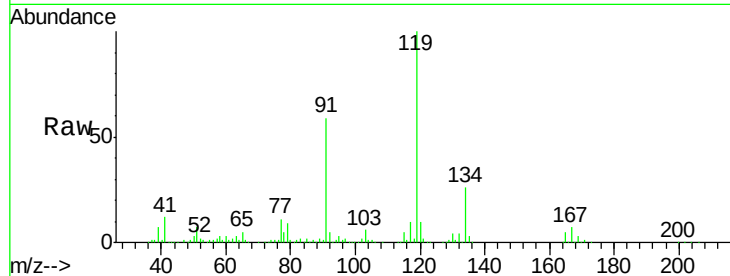
#83
 tert-Butylbenzene
 Concen: 22.05 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.8	27.7	83.0
134	25.5	12.7	38.1

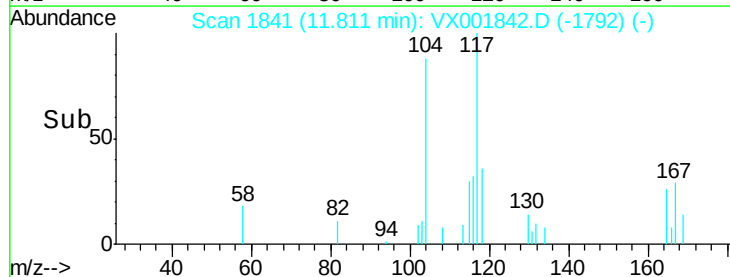
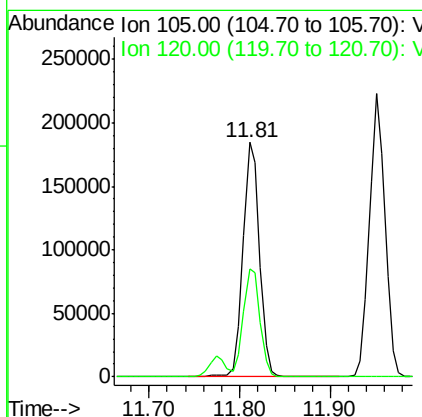
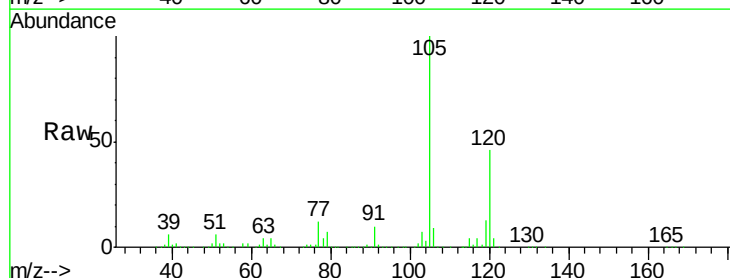
Manual Integrations
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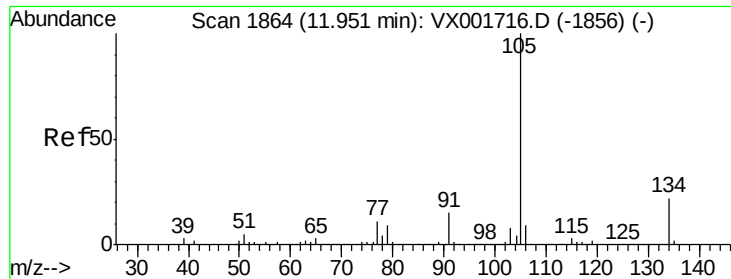
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.28 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5





#85

sec-Butylbenzene

Concen: 21.71 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

ClientSampled :

VX0518WBSD01

Tot Ion:105 Resp: 268270

Ion Ratio Lower Upper

105 100

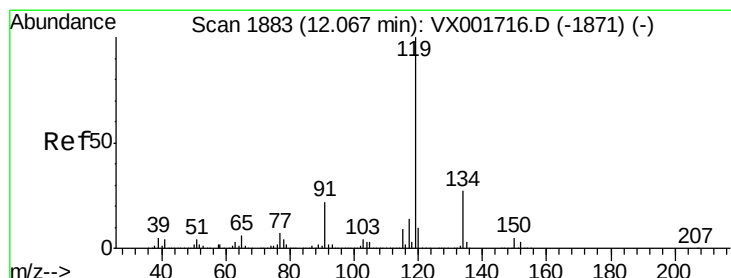
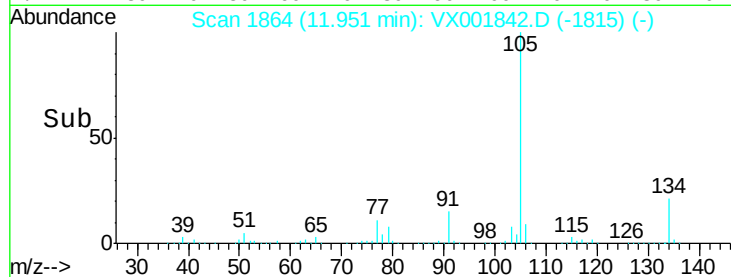
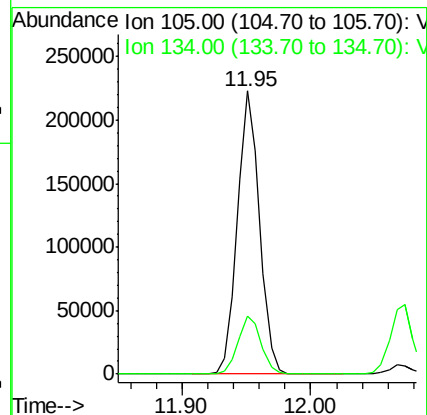
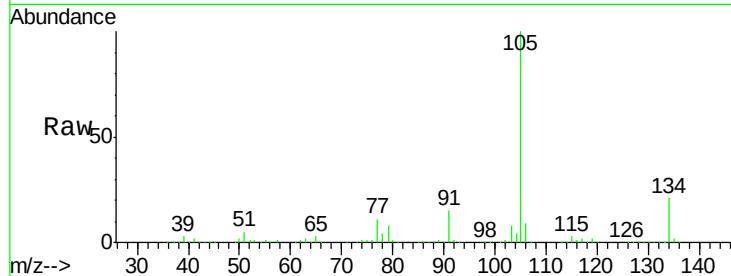
134 21.3 10.9 32.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.24 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

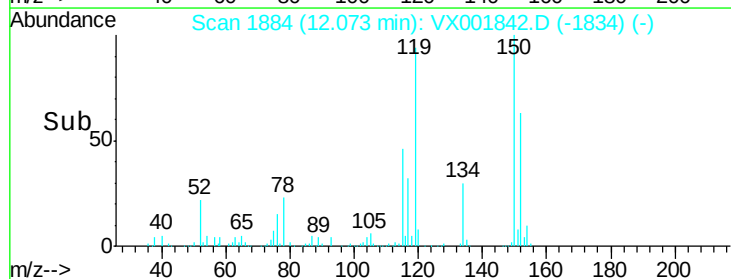
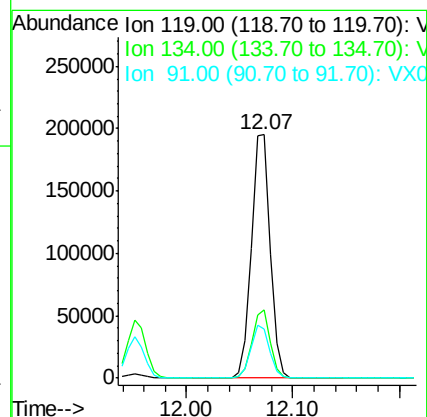
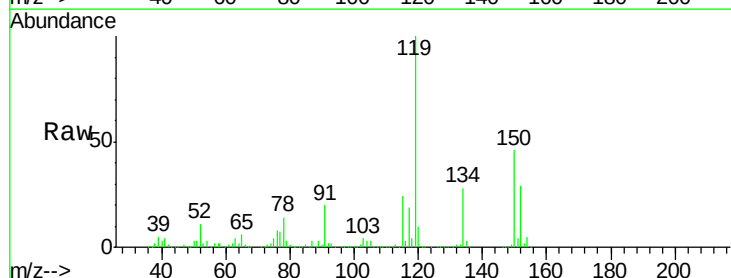
Tgt Ion:119 Resp: 242817

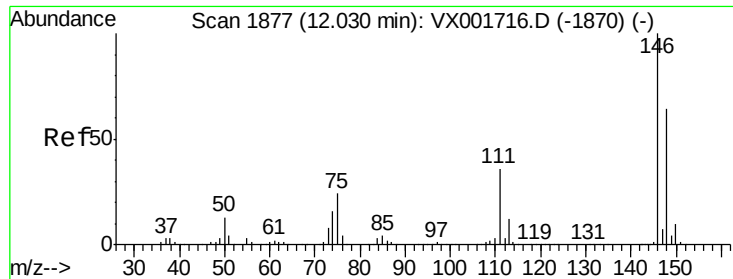
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 21.4 10.7 32.1





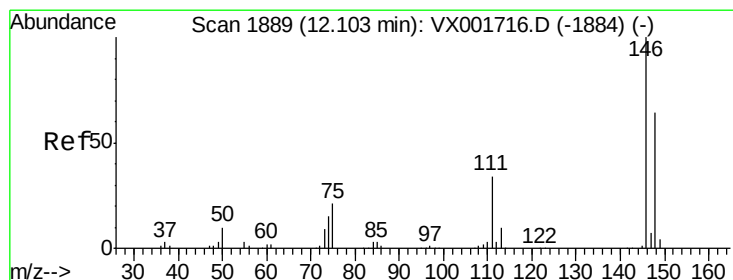
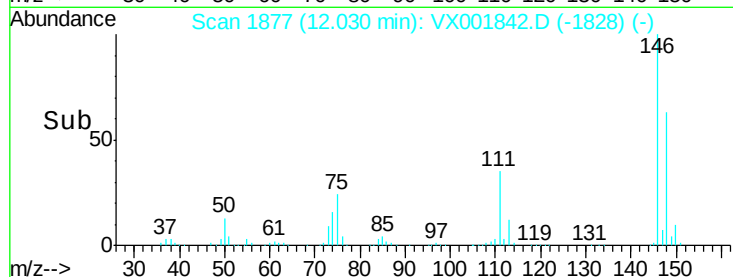
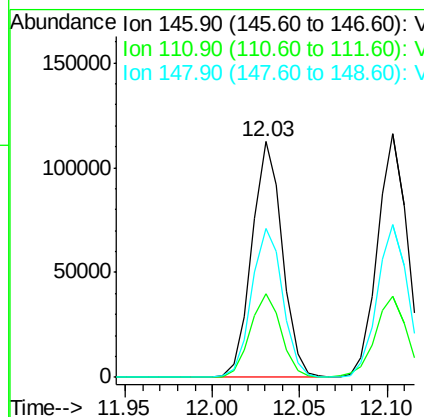
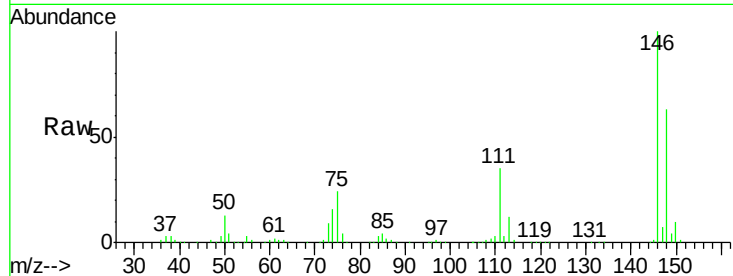
#87
 1,3-Dichlorobenzene
 Concen: 20.47 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.8	53.4
148	64.5	32.1	96.3

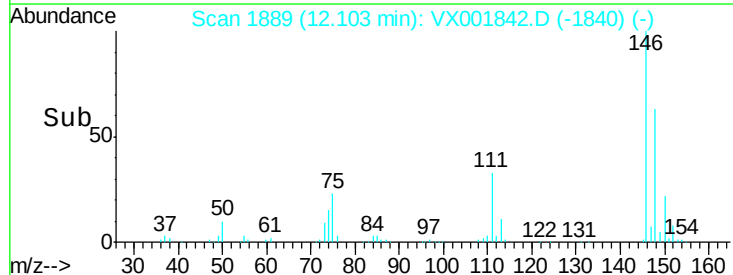
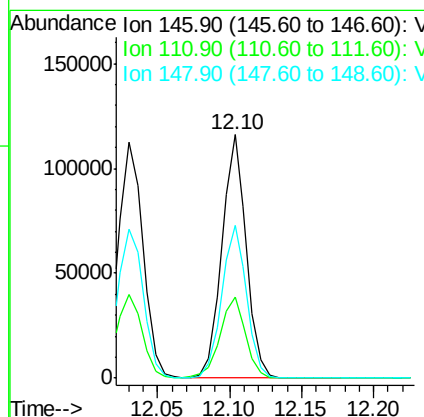
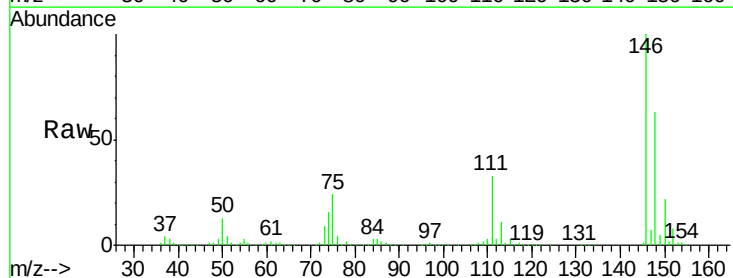
Manual Integrations
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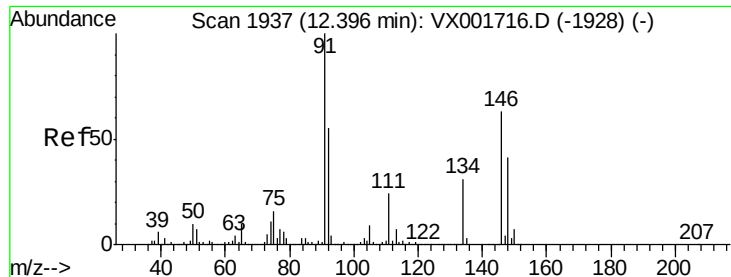
MMDadoda
 5/21/2018 2:40:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.01 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.3	52.0
148	64.5	32.3	96.9





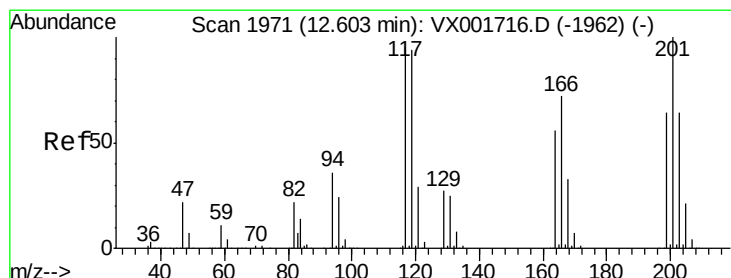
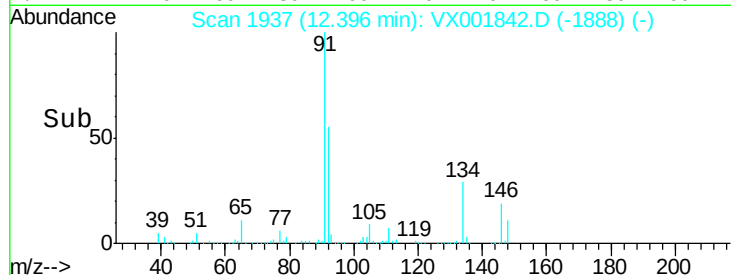
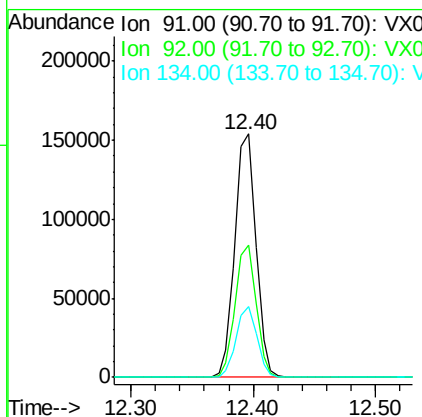
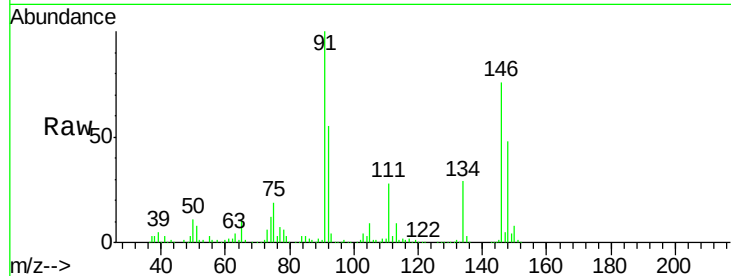
#89
n-Butylbenzene
Concen: 18.55 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
VX0518WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	183442		
92	54.0		27.3	81.9
134	28.8		14.7	44.1

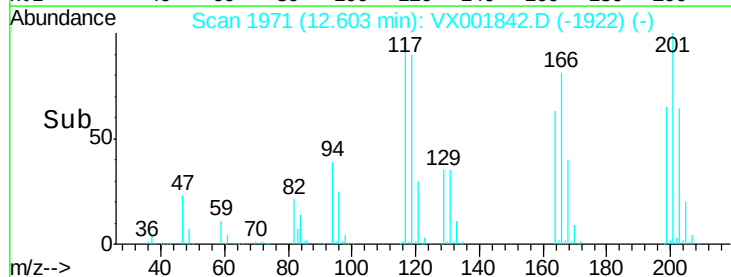
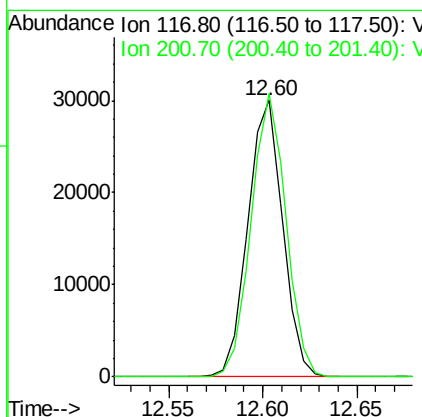
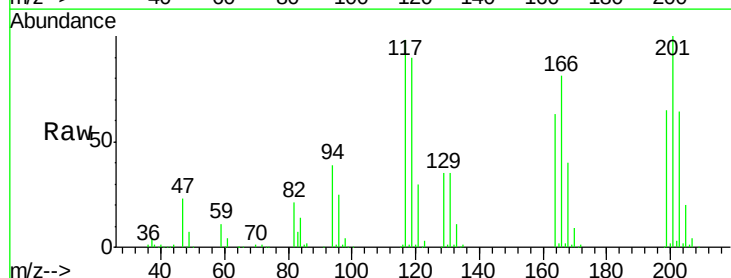
Manual Integrations
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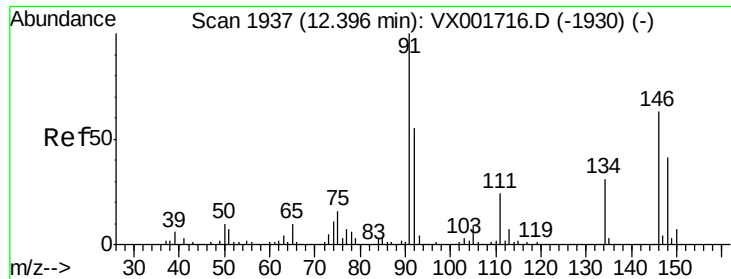
MMDadoda
5/21/2018 2:40:37 PM



#90
Hexachloroethane
Concen: 21.58 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001842.D
Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38324		
201	102.5		51.9	155.7





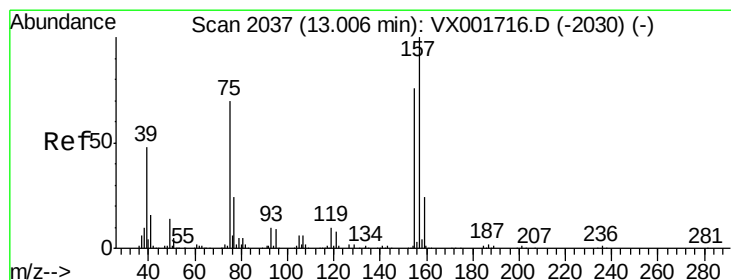
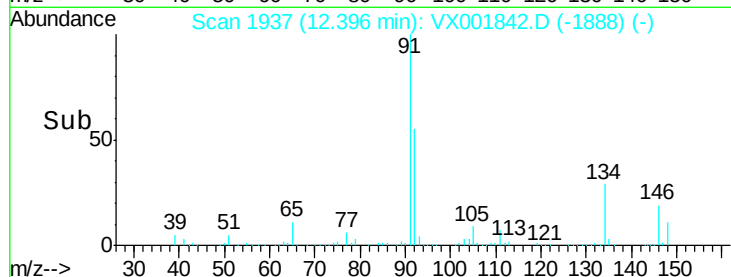
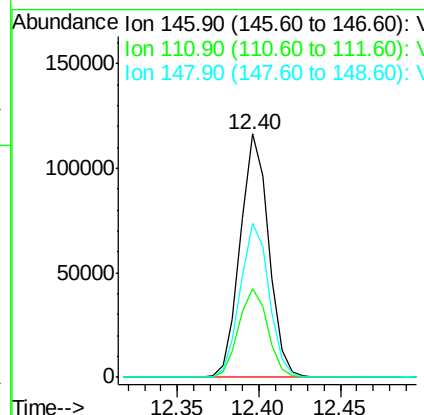
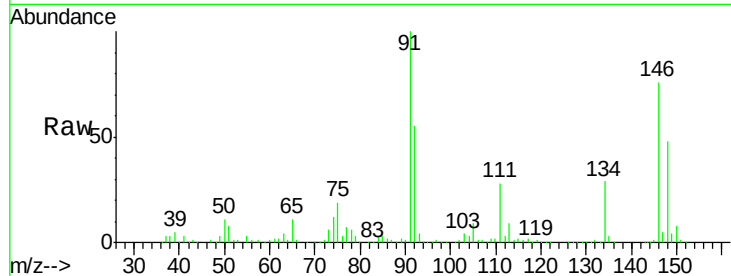
#91
 1,2-Dichlorobenzene
 Concen: 21.30 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	56.0
148	64.6	32.4	97.0

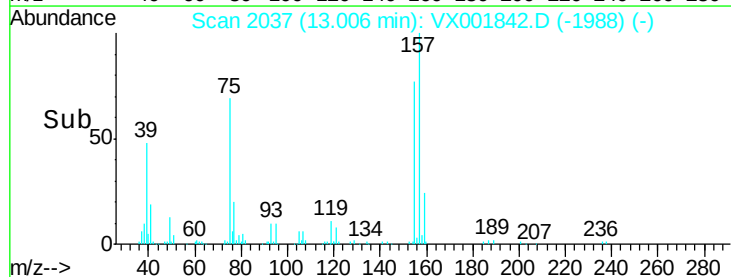
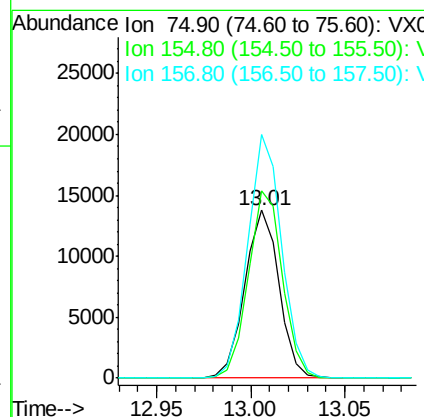
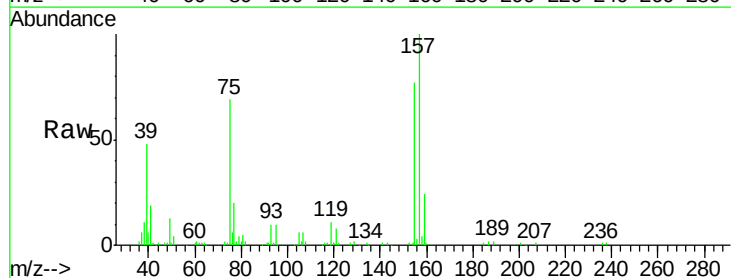
Manual Integrations
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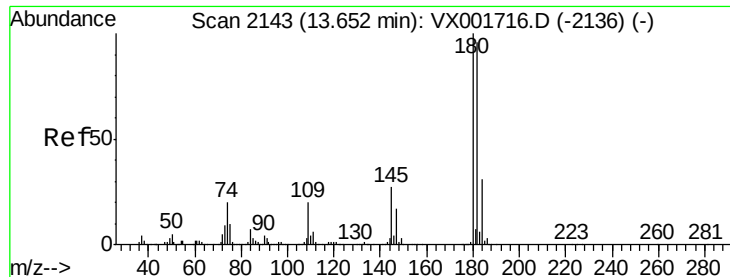
MMDadoda
 5/21/2018 2:40:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.05 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.3	53.9	161.8
157	143.8	71.0	213.2





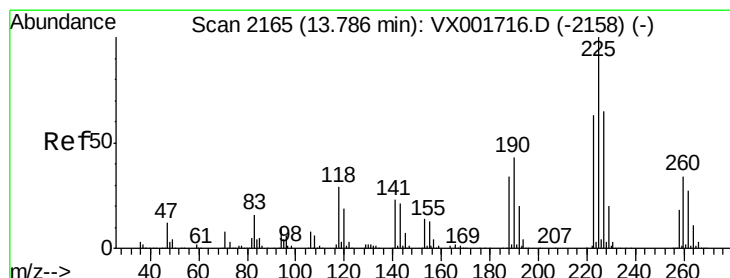
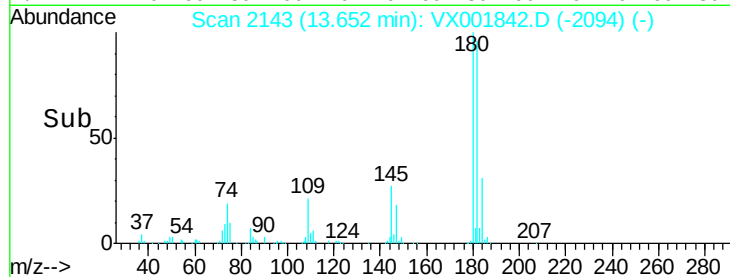
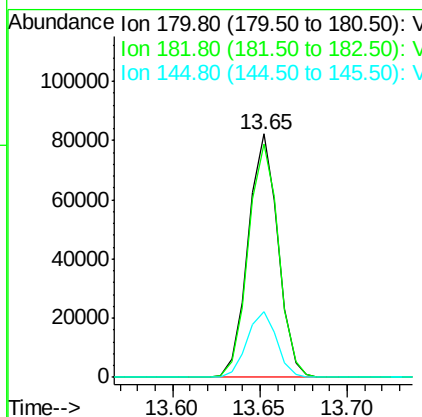
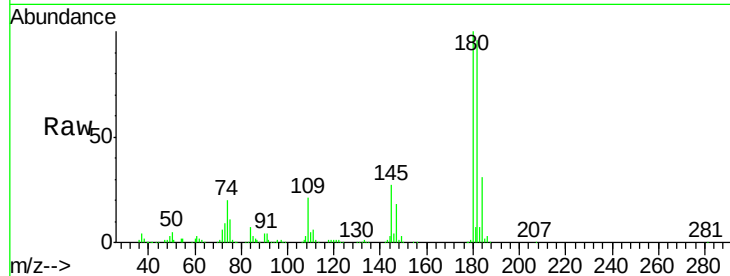
#93
 1,2,4-Trichlorobenzene
 Concen: 18.36 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	97153		
182	97.7	47.6	142.9	
145	27.1	13.4	40.1	

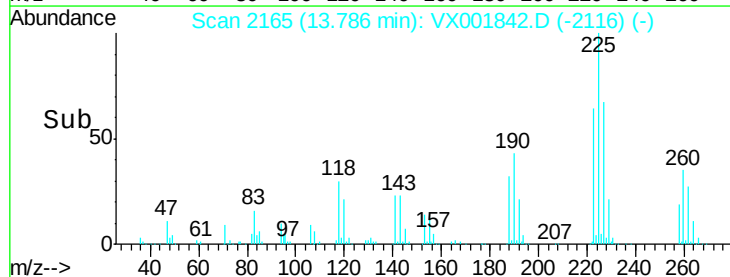
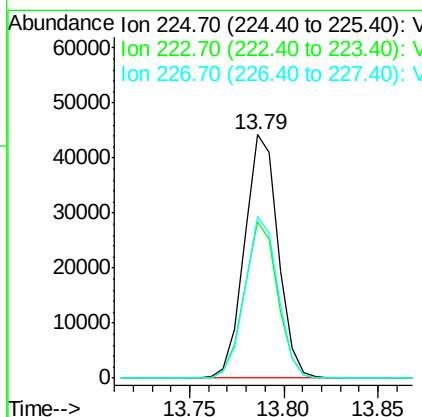
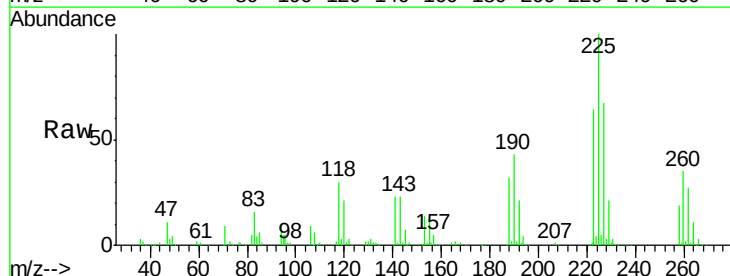
Manual Integrations
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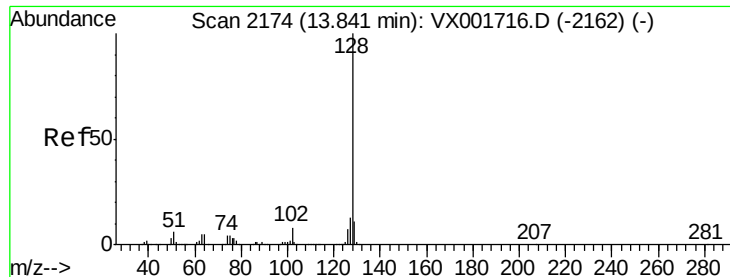
MMDadoda
 5/21/2018 2:40:37 PM



#94
 Hexachlorobutadiene
 Concen: 19.22 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001842.D
 Acq: 18 May 2018 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54604		
223	63.4	31.1	93.5	
227	65.3	31.9	95.5	





#95

Naphthalene

Concen: 20.99 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Instrument :

MSVOA_X

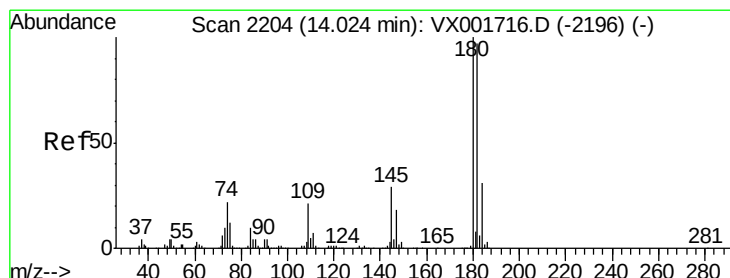
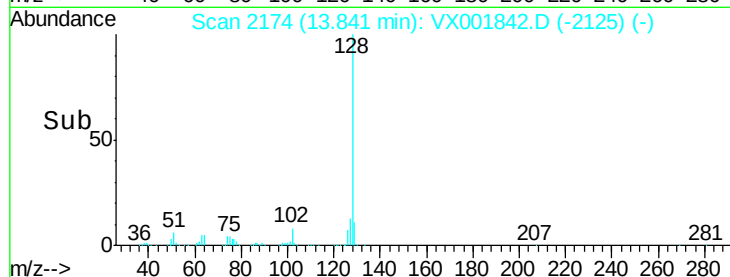
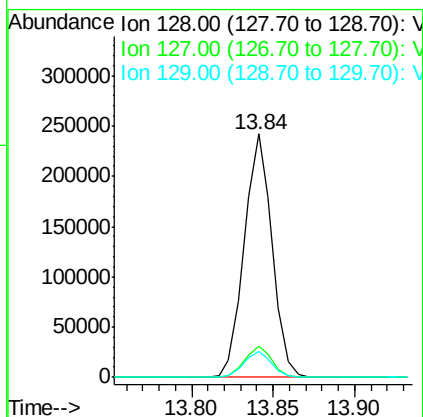
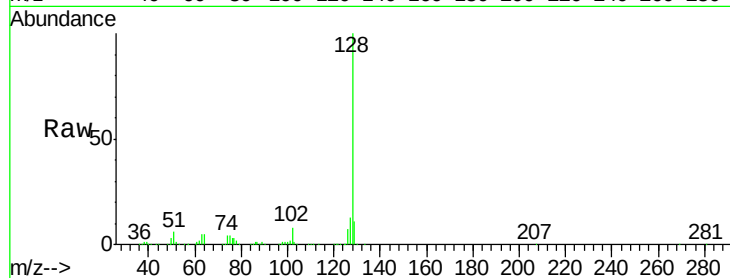
ClientSampleId :

VX0518WBSD01

Tot Ion:	128	Resp:	288700
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/21/2018 2:40:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.94 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001842.D

Acq: 18 May 2018 22:27

Tgt Ion:	180	Resp:	106258
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.9	143.7
145	27.3	14.2	42.8

