

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001891.D
 Acq On : 22 May 2018 13:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:43 AM

Quant Time: May 23 07:56:50 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	278416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	353092	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	201339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	186848	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	5.51	113	158358	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	8.72	98	577693	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
62) 4-Bromofluorobenzene	11.14	95	195202	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	126481	45.27	ug/l	100
3) Chloromethane	1.32	50	143057	47.40	ug/l	100
4) Vinyl Chloride	1.40	62	148573	45.53	ug/l	100
5) Bromomethane	1.64	94	61946	44.78	ug/l	97
6) Chloroethane	1.71	64	97797	47.58	ug/l	98
7) Trichlorofluoromethane	1.92	101	231593	48.84	ug/l	98
8) Diethyl Ether	2.19	74	93535	47.92	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	140308	49.16	ug/l	99
10) Methyl Iodide	2.51	142	180214	68.62	ug/l	99
11) Tert butyl alcohol	3.08	59	163370	246.58	ug/l	99
12) 1,1-Dichloroethene	2.37	96	125191	45.49	ug/l	97
13) Acrolein	2.29	56	71610	152.39	ug/l	100
14) Allyl chloride	2.73	41	254151	49.97	ug/l	98
15) Acrylonitrile	3.15	53	418196	251.30	ug/l	99
16) Acetone	2.45	43	368720	251.56	ug/l	99
17) Carbon Disulfide	2.57	76	284688	39.66	ug/l	98
18) Methyl Acetate	2.78	43	239611	55.92	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	464532	50.08	ug/l	99
20) Methylene Chloride	2.86	84	147657	47.06	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	135802	44.80	ug/l	97
22) Diisopropyl ether	3.87	45	497248	50.96	ug/l	97
23) Vinyl Acetate	3.83	43	1672484	237.89	ug/l	99
24) 1,1-Dichloroethane	3.70	63	264716	49.47	ug/l	100
25) 2-Butanone	4.71	43	606385	270.22	ug/l	100
26) 2,2-Dichloropropane	4.59	77	200180	46.47	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	168488	48.84	ug/l	98
28) Bromochloromethane	5.03	49	144590	60.83	ug/l	98
29) Tetrahydrofuran	5.17	42	389561	266.32	ug/l	98
30) Chloroform	5.21	83	291341	51.83	ug/l	98
31) Cyclohexane	5.57	56	233302	49.74	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	249171	51.30	ug/l	98
36) 1,1-Dichloropropene	5.80	75	204915	50.41	ug/l	99
37) Ethyl Acetate	4.87	43	229668	54.22	ug/l	99
38) Carbon Tetrachloride	5.78	117	229083	53.80	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	249707	52.58	ug/l	99
40) Benzene	6.15	78	628252	52.46	ug/l	99
41) Methacrylonitrile	5.07	41	135433	55.29	ug/l	98
42) 1,2-Dichloroethane	6.20	62	231591	53.47	ug/l	99
43) Isopropyl Acetate	6.47	43	361901	54.59	ug/l	99
44) Trichloroethene	7.21	130	191403	51.49	ug/l	98
45) 1,2-Dichloropropane	7.52	63	157621	53.64	ug/l	99
46) Dibromomethane	7.67	93	108515	52.59	ug/l	100
47) Bromodichloromethane	7.90	83	217870	56.90	ug/l	95
48) Methyl methacrylate	7.78	41	196977	56.45	ug/l	99
49) 1,4-Dioxane	7.76	88	80420	1196.89	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	1232327	293.31	ug/l	98
52) Toluene	8.79	92	412339	53.58	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	246688	54.76	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	224345	56.49	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	158856	54.00	ug/l	99
56) Ethyl methacrylate	9.19	69	242807	58.21	ug/l	97
57) 1,3-Dichloropropane	9.38	76	255294	51.84	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	630382	293.78	ug/l	99
59) 2-Hexanone	9.50	43	846817	281.56	ug/l	99
60) Dibromochloromethane	9.59	129	169223	56.18	ug/l	100
61) 1,2-Dibromoethane	9.68	107	160239	52.04	ug/l	100
64) Tetrachloroethene	9.34	164	206999	52.52	ug/l	98
65) Chlorobenzene	10.14	112	432564	51.94	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	163671	55.65	ug/l	100
67) Ethyl Benzene	10.26	91	716762	53.86	ug/l	99
68) m/p-Xylenes	10.37	106	566542	107.89	ug/l	98
69) o-Xylene	10.70	106	276111	54.91	ug/l	99
70) Styrene	10.72	104	460481	55.52	ug/l	100
71) Bromoform	10.86	173	140260	51.17	ug/l	99
73) Isopropylbenzene	11.02	105	747132	56.35	ug/l	100
74) N-amyl acetate	6.47	43	361901	56.93	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	215184	54.10	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	214105m	55.92	ug/l	
77) Bromobenzene	11.26	156	211370	54.25	ug/l	99
78) n-propylbenzene	11.37	91	832108	55.70	ug/l	99
79) 2-Chlorotoluene	11.43	91	493798	55.27	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	623491	57.32	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	62376	48.65	ug/l	97
82) 4-Chlorotoluene	11.52	91	569952	54.15	ug/l	99
83) tert-Butylbenzene	11.77	119	622264	57.48	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	643024	57.08	ug/l	99
85) sec-Butylbenzene	11.95	105	760030	56.88	ug/l	100
86) p-Isopropyltoluene	12.07	119	701989	56.77	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	377655	52.41	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	382319	51.31	ug/l	100
89) n-Butylbenzene	12.40	91	571387	53.43	ug/l	99
90) Hexachloroethane	12.60	117	115376	60.08	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	386321	53.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50391	59.36	ug/l	98

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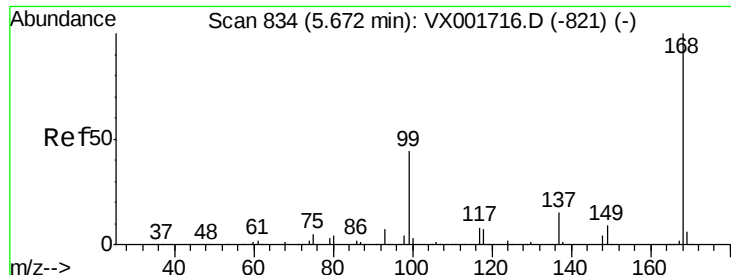
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	294264	51.42	ug/l	99
94) Hexachlorobutadiene	13.79	225	163340	53.17	ug/l	100
95) Naphthalene	13.84	128	819968	55.13	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	305226	52.97	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 278416

Ion Ratio Lower Upper

168 100

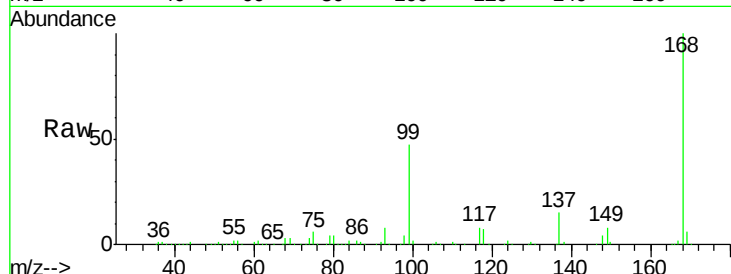
99 47.1 35.0 52.4

Manual Integrations

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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

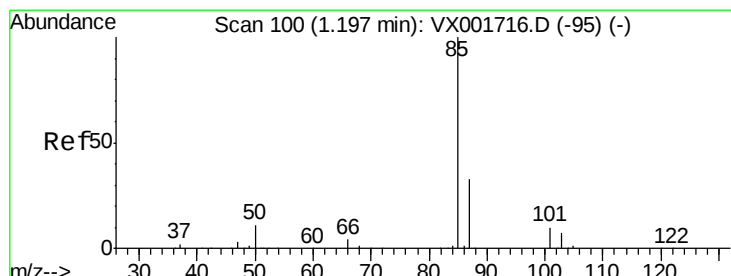
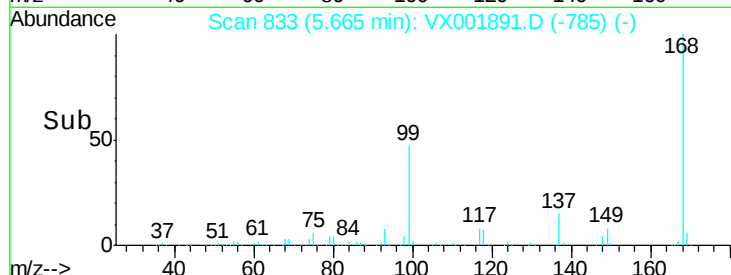
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.27 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001891.D

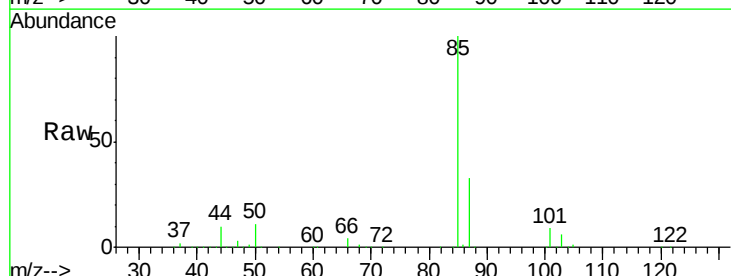
Acq: 22 May 2018 13:54

Tgt Ion: 85 Resp: 126481

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

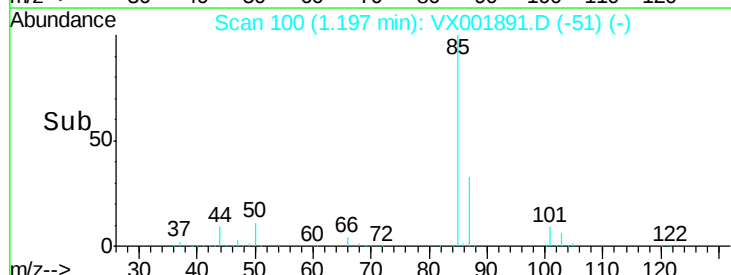
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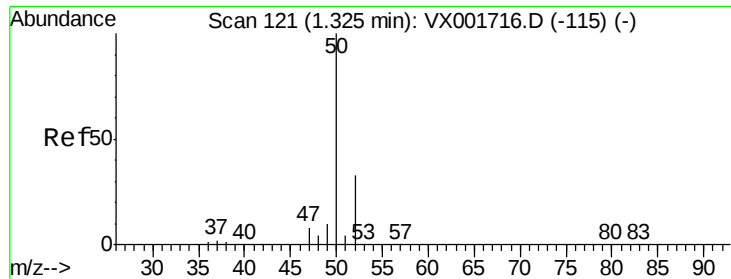
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 143057

Ion Ratio Lower Upper

50 100

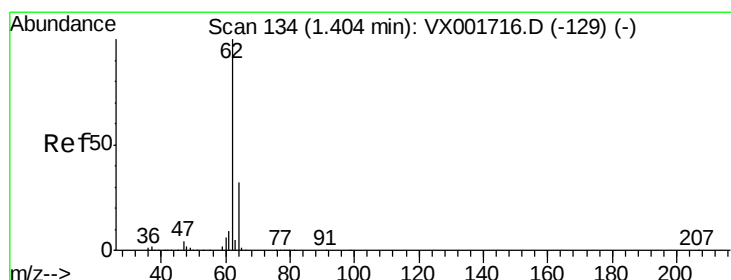
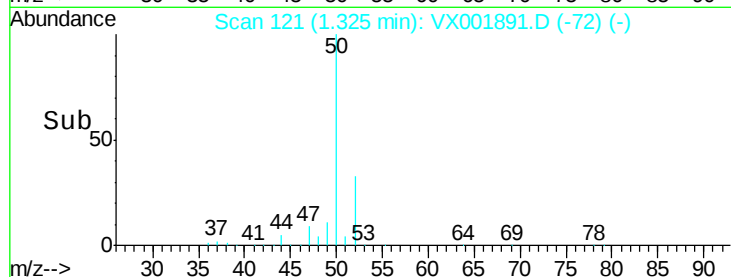
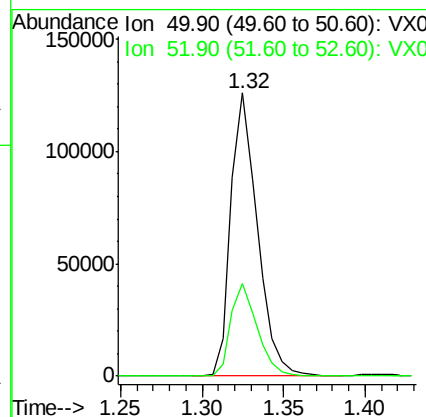
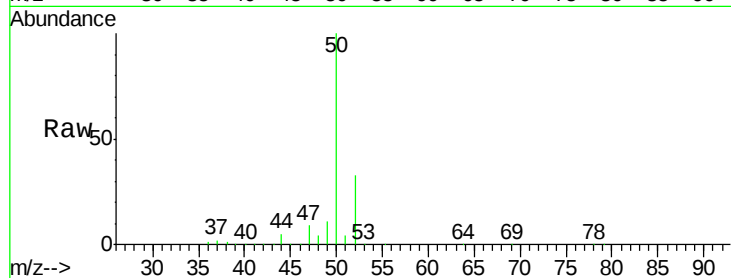
52 32.9 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.53 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001891.D

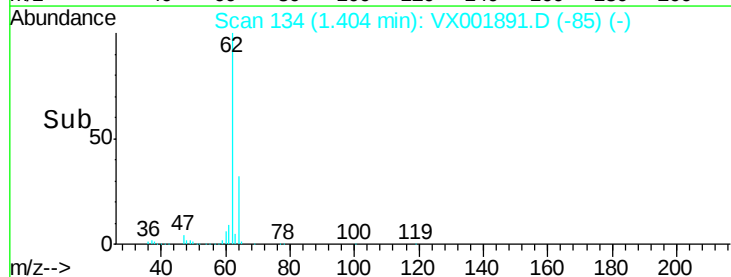
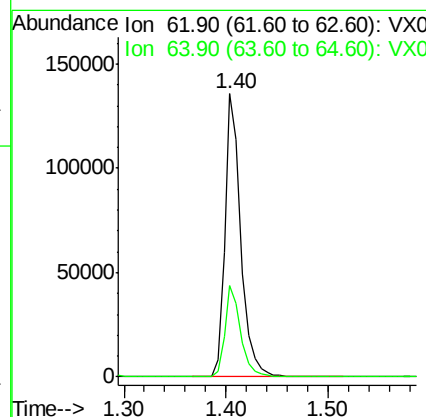
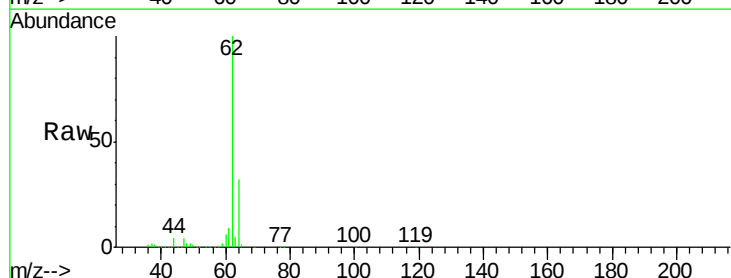
Acq: 22 May 2018 13:54

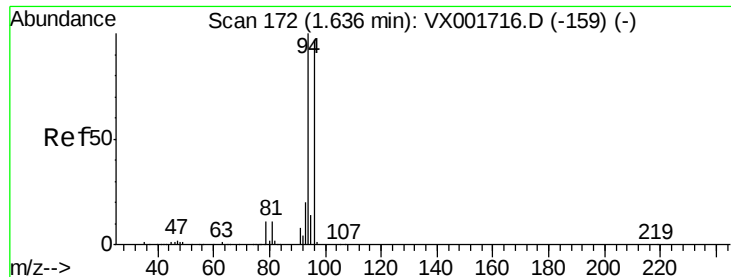
Tgt Ion: 62 Resp: 148573

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4





#5

Bromomethane

Concen: 44.78 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 61946

Ion Ratio Lower Upper

94 100

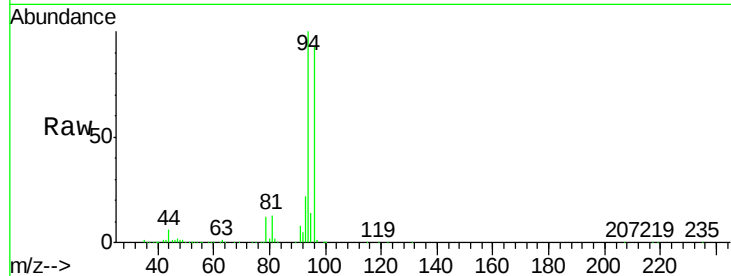
96 93.5 77.4 116.0

Manual Integrations

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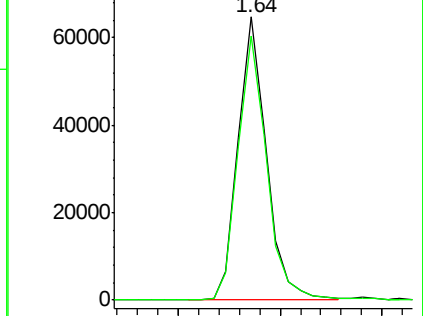
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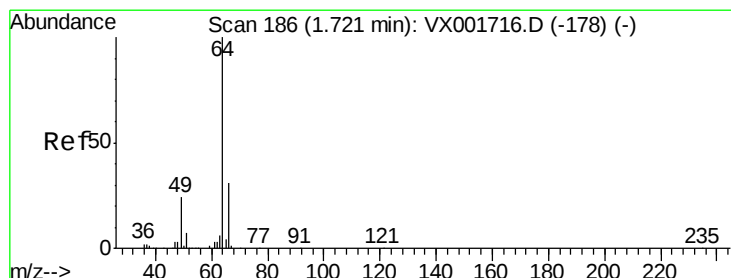
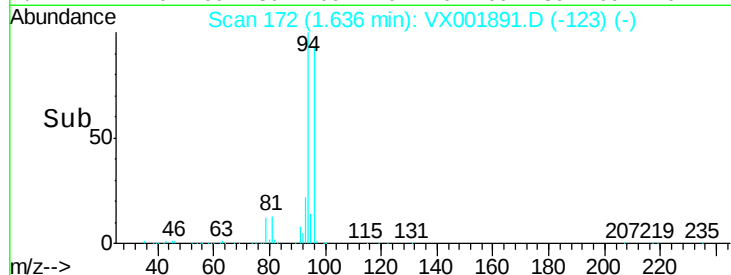


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 47.58 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001891.D

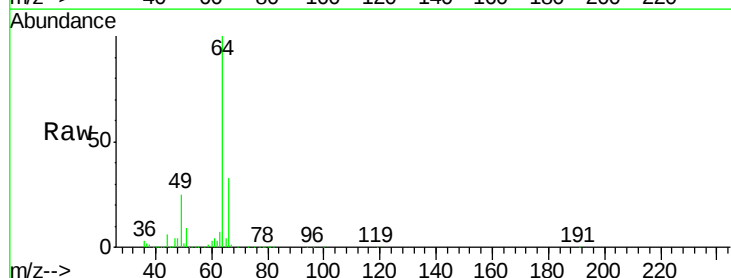
Acq: 22 May 2018 13:54

Tgt Ion: 64 Resp: 97797

Ion Ratio Lower Upper

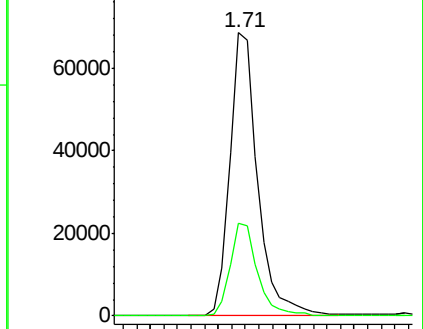
64 100

66 32.5 25.2 37.8

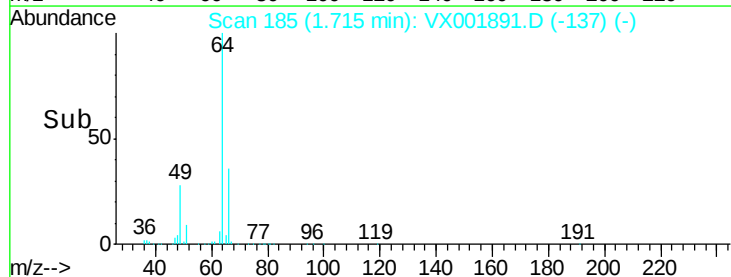


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

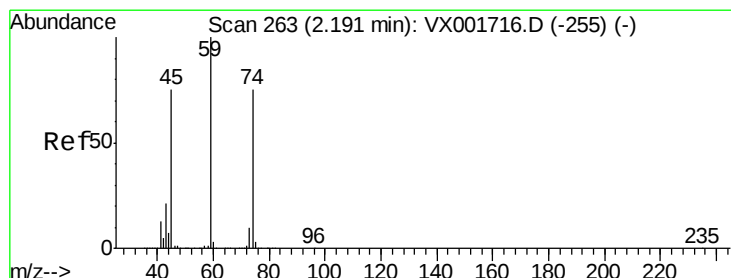
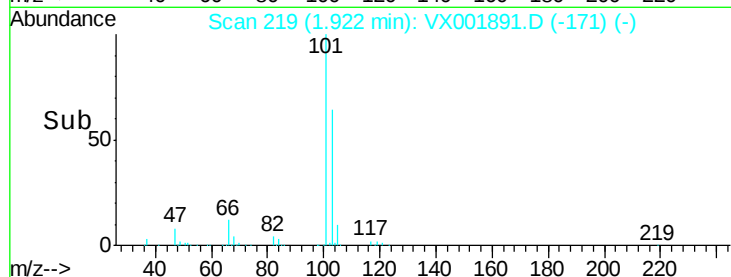
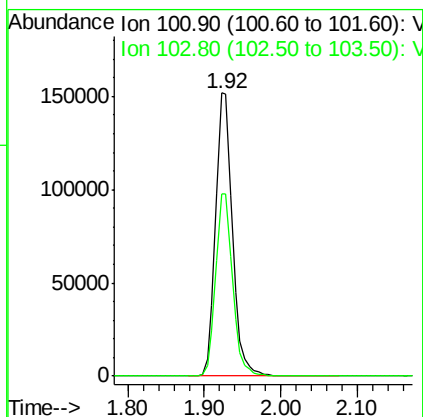
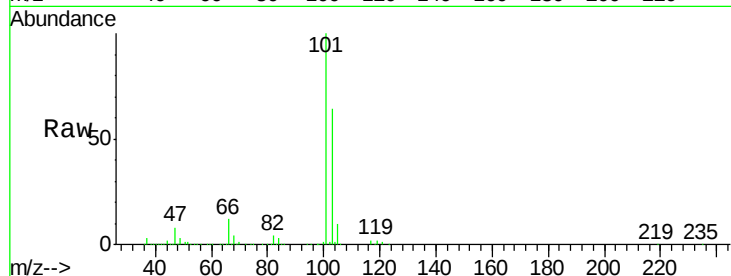
Trichlorofluoromethane
Concen: 48.84 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	231593		
103	64.4	52.6	78.8	

Manual Integrations
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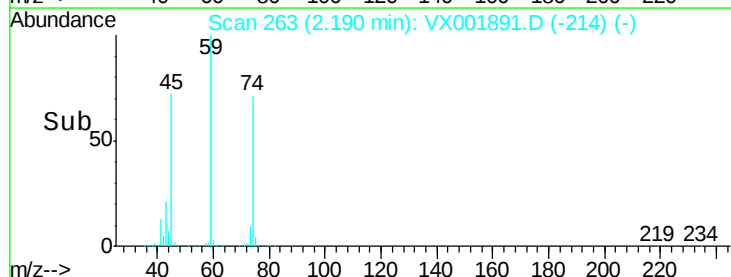
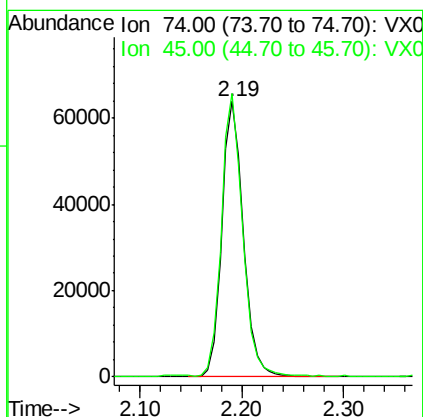
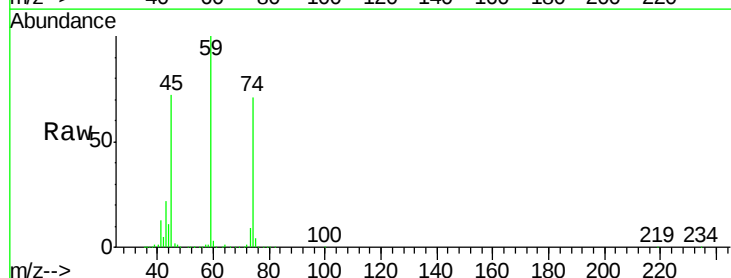
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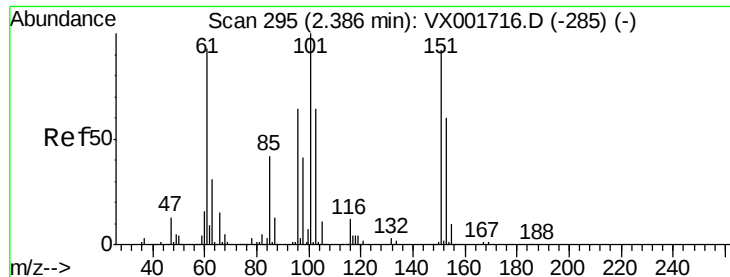


#8

Diethyl Ether
Concen: 47.92 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	93535		
45	100.8	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.16 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

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MSVOA_X

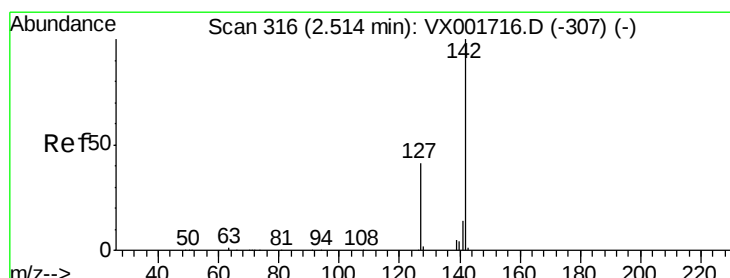
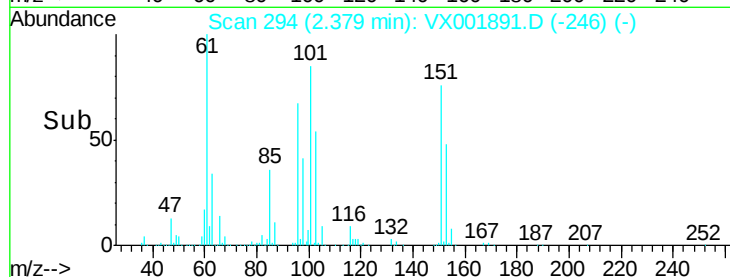
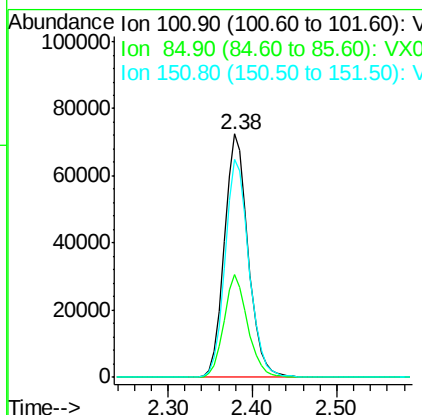
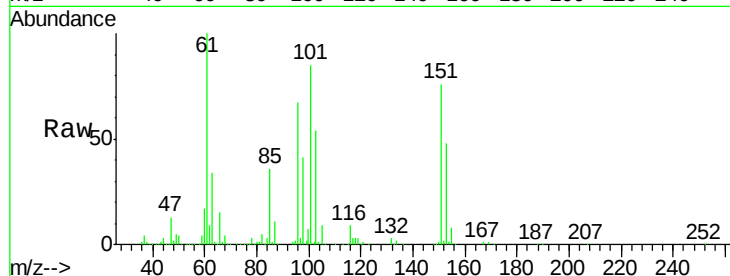
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	140308
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.7	50.5
151	90.0	73.0	109.6

Manual Integrations
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#10

Methyl Iodide

Concen: 68.62 ug/l

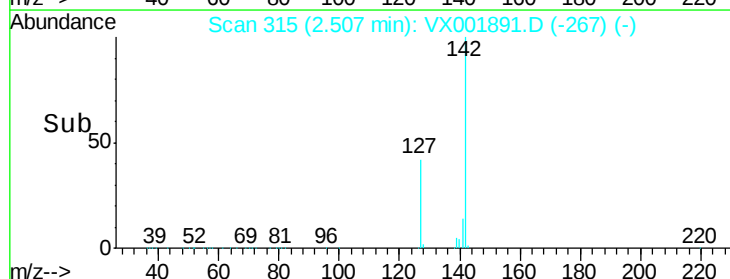
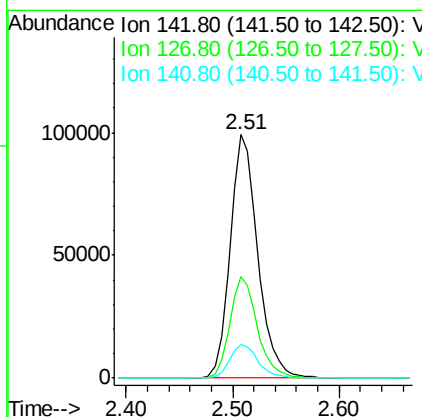
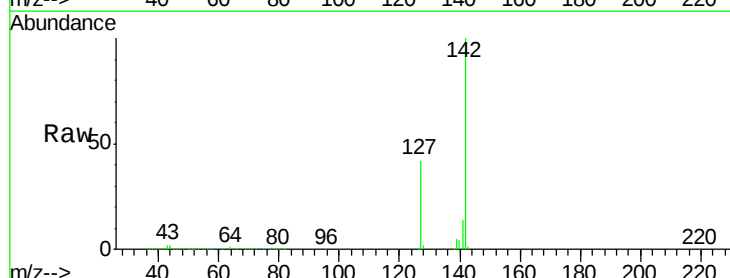
RT: 2.51 min Scan# 315

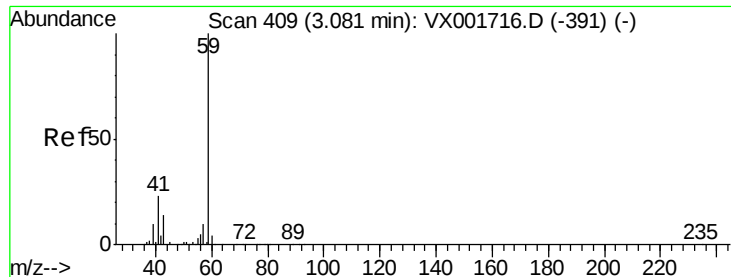
Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Tgt Ion:	142	Resp:	180214
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.5	48.7
141	14.1	11.4	17.0





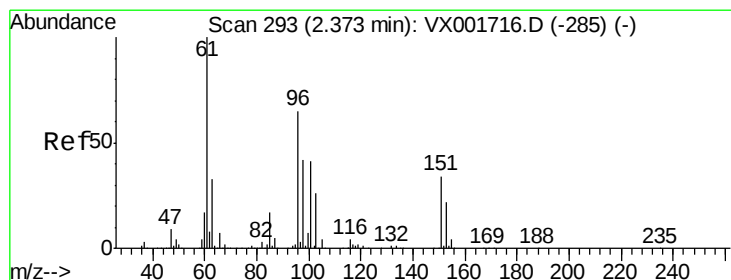
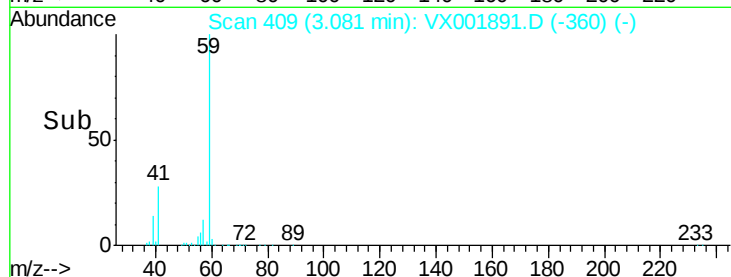
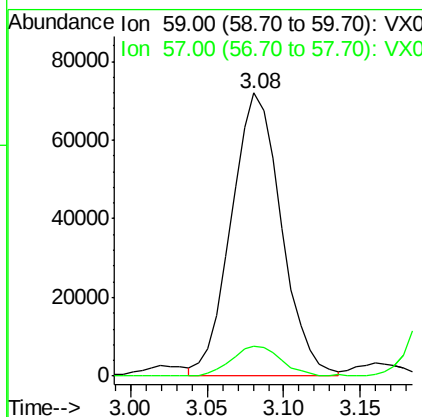
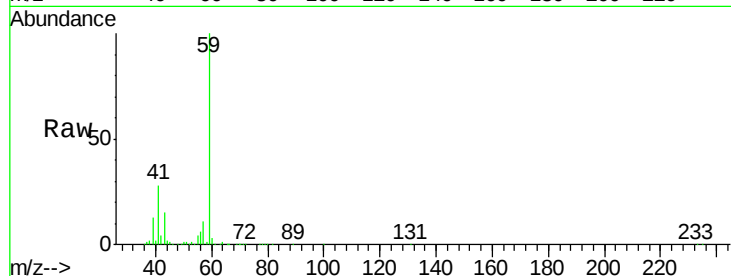
#11
Tert butyl alcohol
Concen: 246.58 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	163370		
57	10.8		8.5	12.7

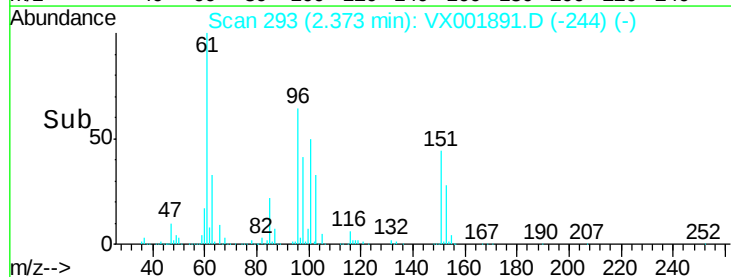
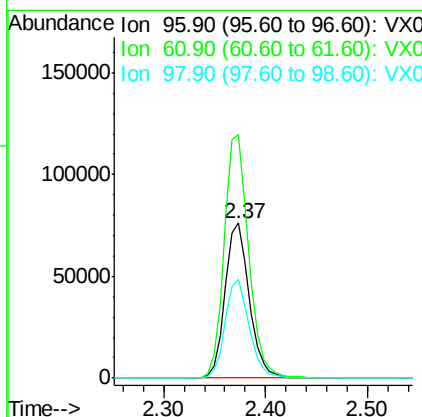
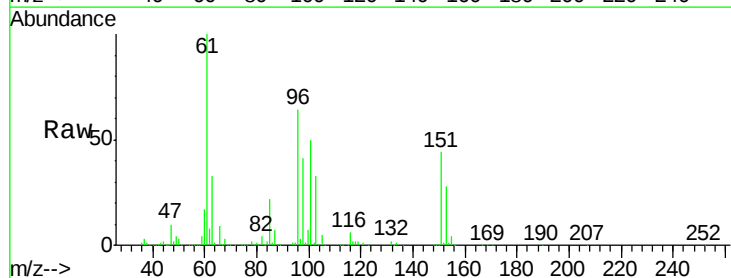
Manual Integrations
APPROVED

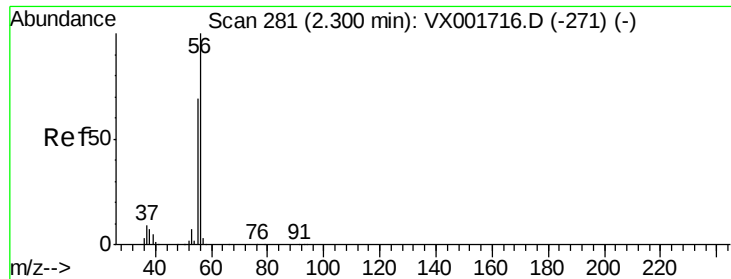
MMDadoda
5/24/2018 11:47:43 AM



#12
1,1-Dichloroethene
Concen: 45.49 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	125191		
61	157.3		122.2	183.2
98	63.8		51.4	77.0





#13

Acrolein

Concen: 152.39 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 71610

Ion Ratio Lower Upper

56 100

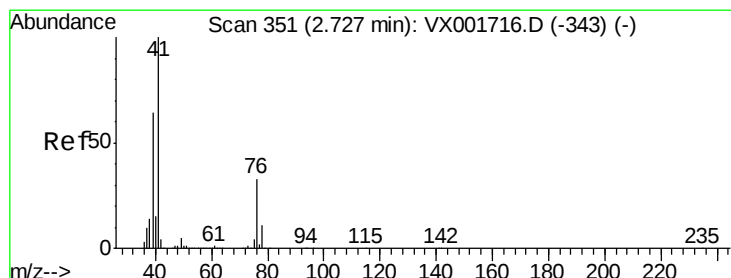
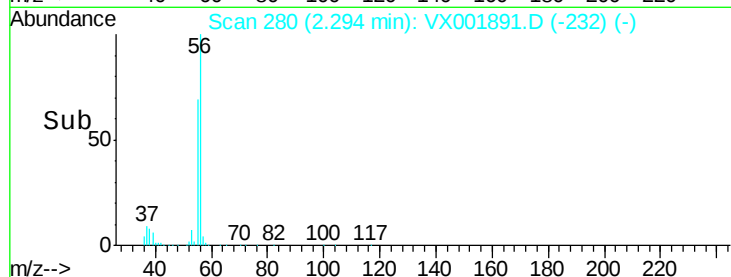
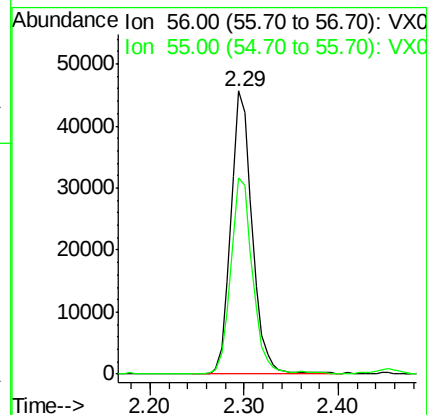
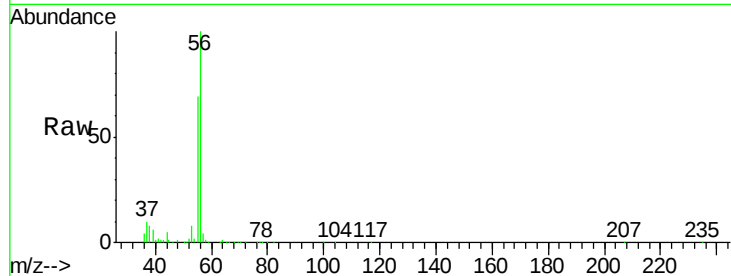
55 70.2 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 49.97 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

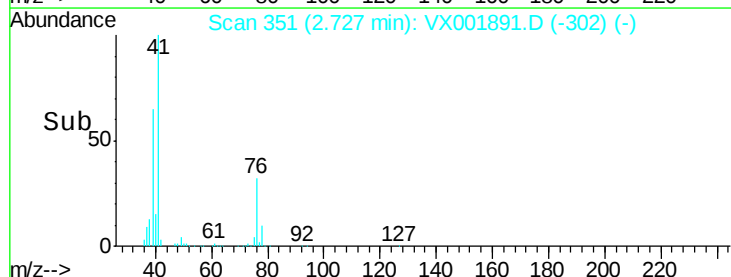
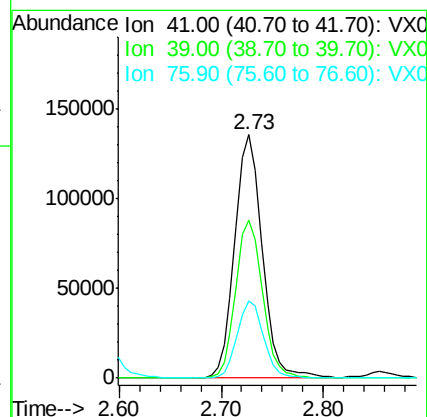
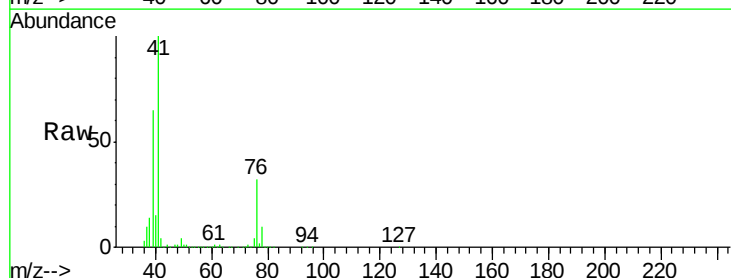
Tgt Ion: 41 Resp: 254151

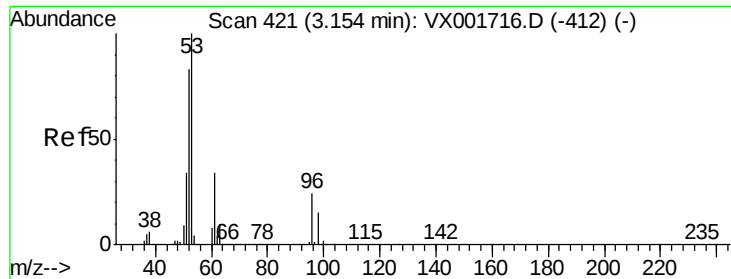
Ion Ratio Lower Upper

41 100

39 63.3 49.8 74.6

76 30.3 25.8 38.8





#15

Acrylonitrile

Concen: 251.30 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

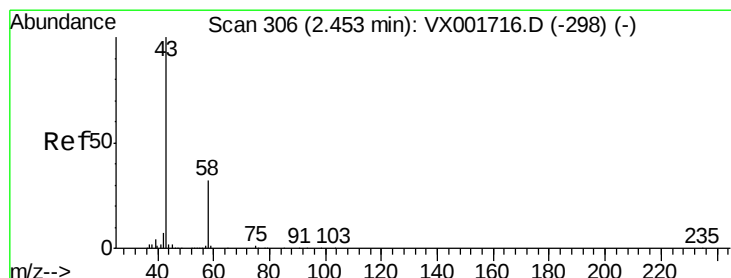
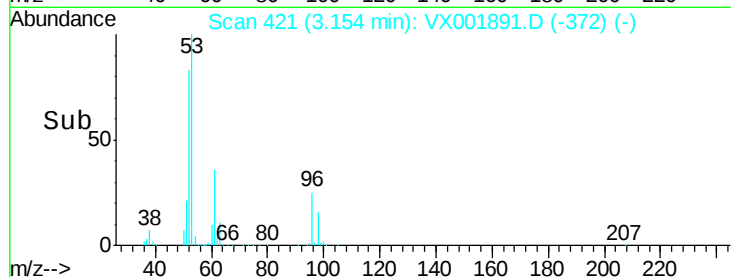
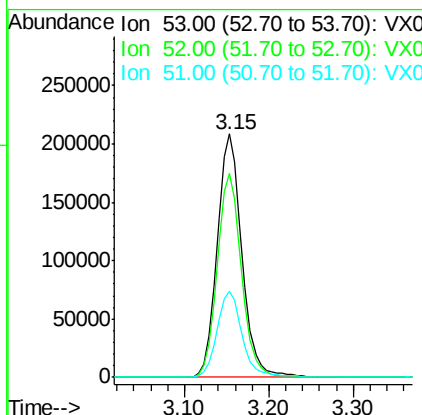
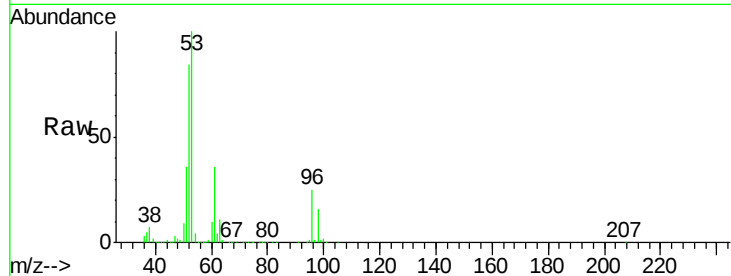
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	418196
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.6	98.4
51	36.1	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 251.56 ug/l

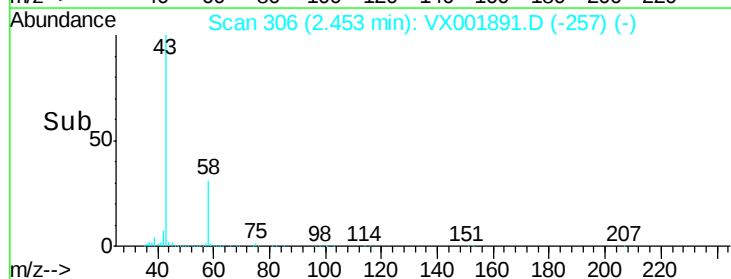
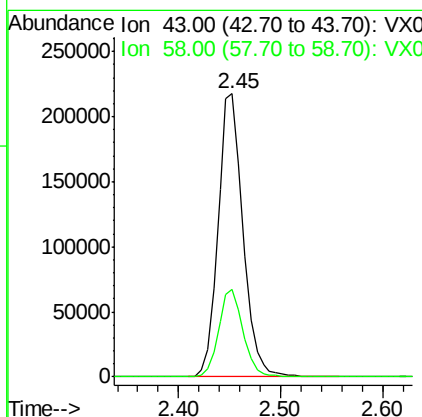
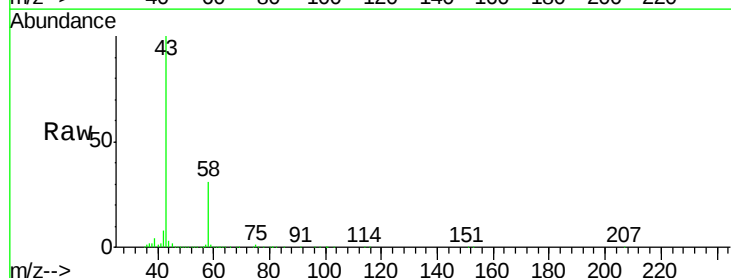
RT: 2.45 min Scan# 306

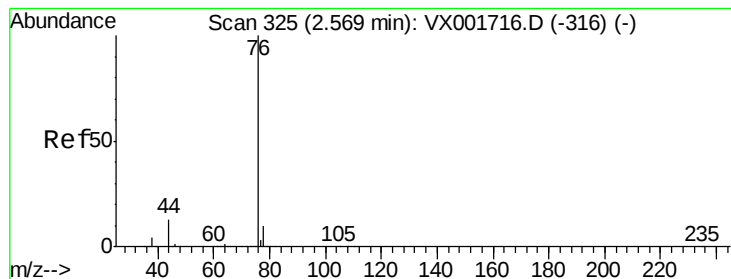
Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Tgt Ion:	43	Resp:	368720
Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.3	37.9





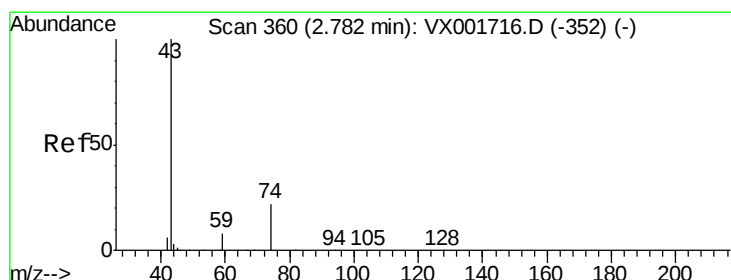
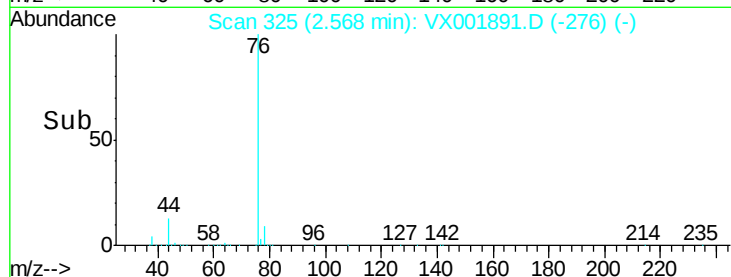
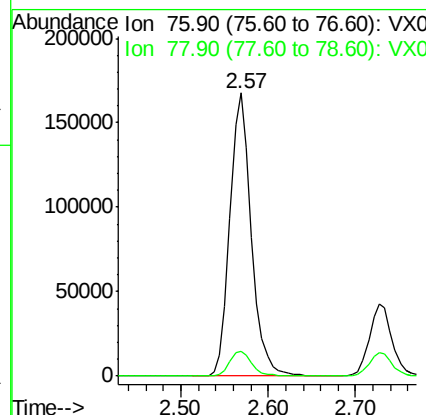
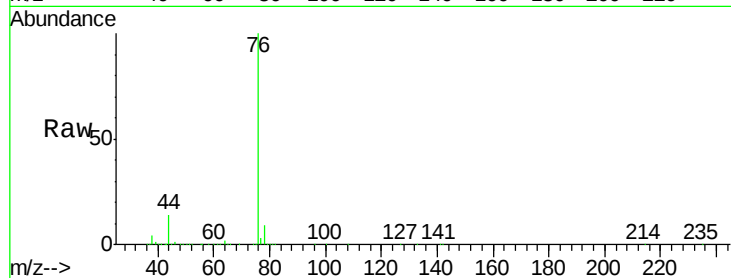
#17
Carbon Disulfide
Concen: 39.66 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

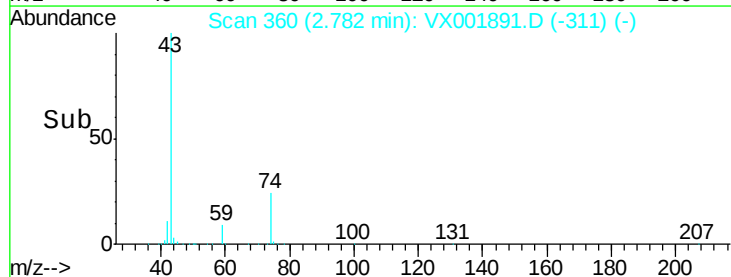
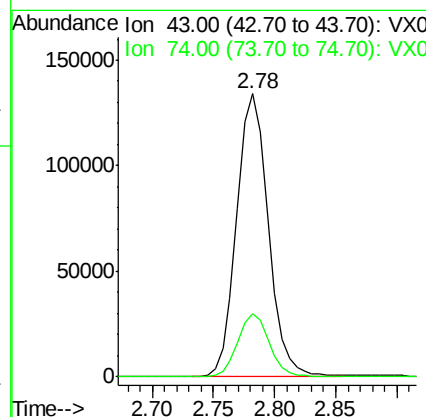
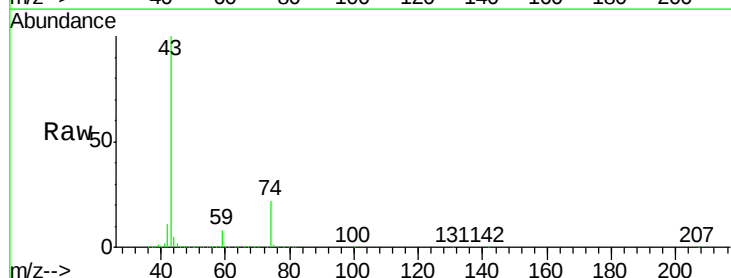
Manual Integrations
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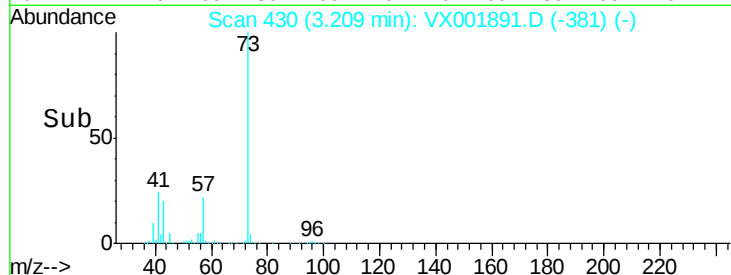
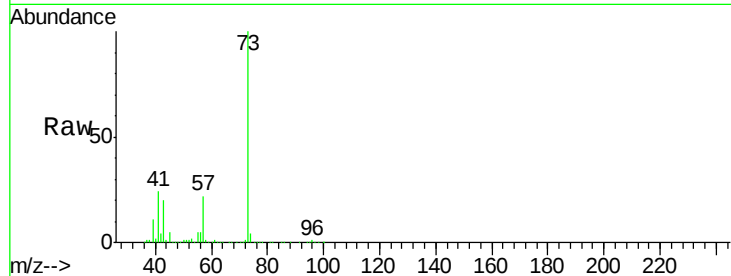
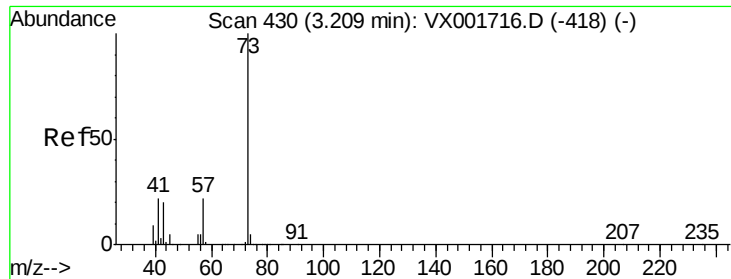
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#18
Methyl Acetate
Concen: 55.92 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.2	27.2





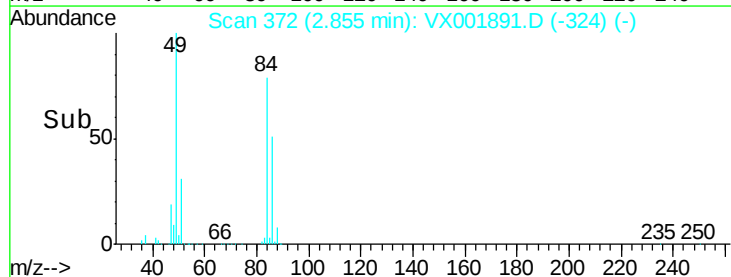
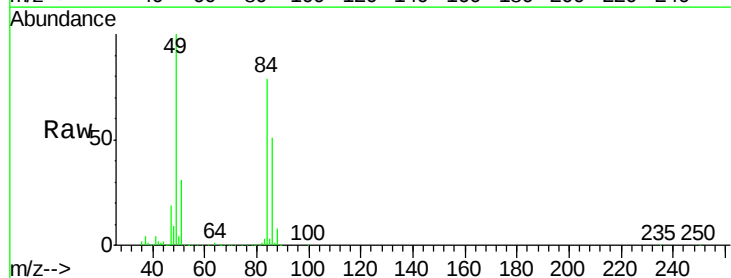
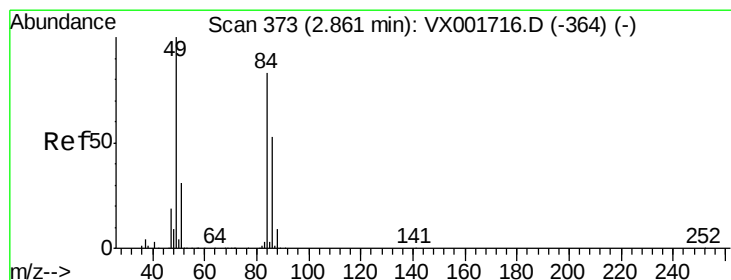
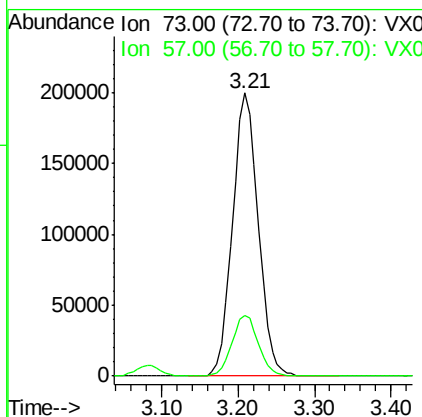
#19
Methvl tert-butvl Ether
Concen: 50.08 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tot Ion	73	Resp	464532
Ion Ratio	100	Lower	Upper
73	100		
57	21.6	17.5	26.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

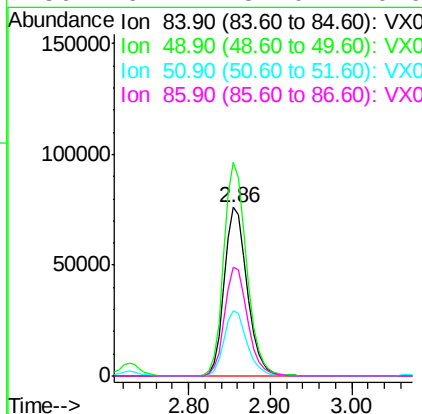
Manual Integrations
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#20
Methylene Chloride
Concen: 47.06 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion	84	Resp	147657
Ion Ratio	100	Lower	Upper
84	100		
49	126.7	96.3	144.5
51	38.6	29.8	44.6
86	64.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 44.80 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

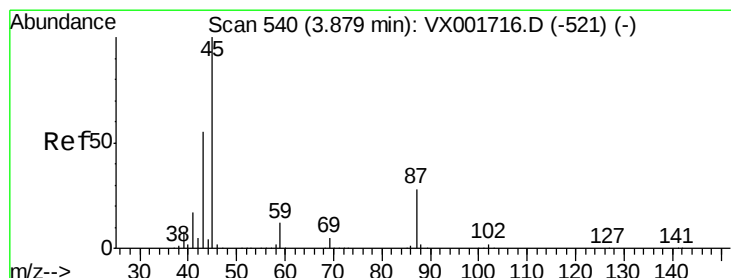
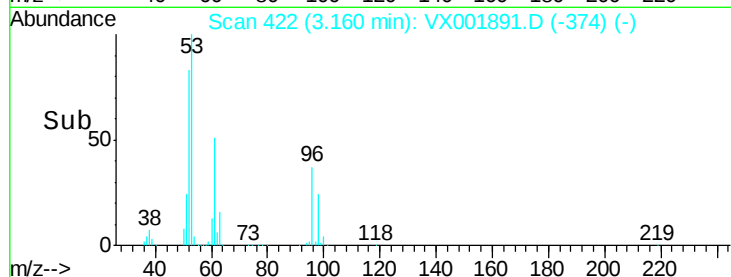
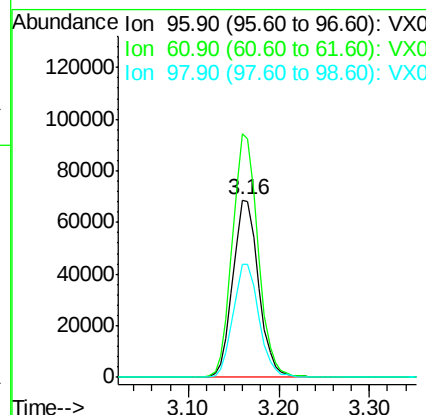
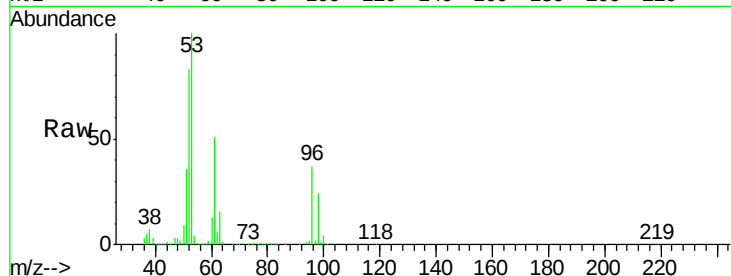
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	135802
Ion	Ratio	Lower	Upper
96	100		
61	137.0	105.8	158.8
98	63.4	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.96 ug/l

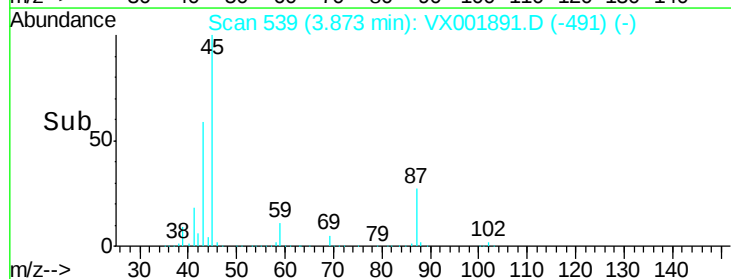
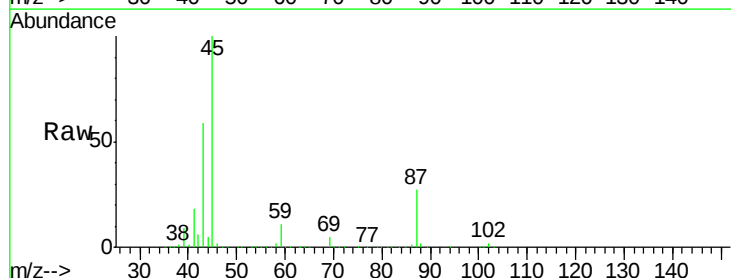
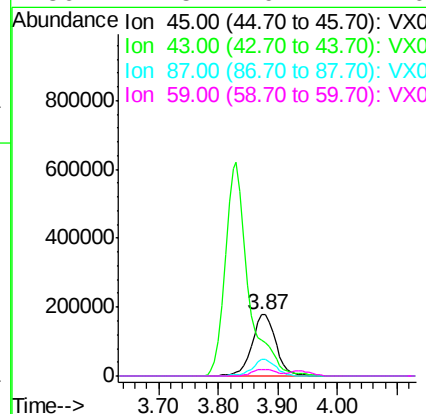
RT: 3.87 min Scan# 539

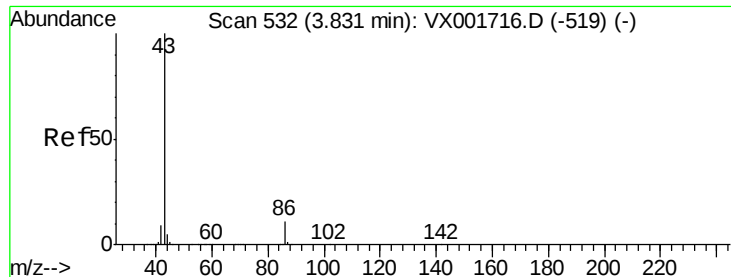
Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Tgt Ion:	45	Resp:	497248
Ion	Ratio	Lower	Upper
45	100		
43	58.5	44.3	66.5
87	27.2	22.6	33.8
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 237.89 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Tot Ion: 43 Resp: 1672484

Ion Ratio Lower Upper

43 100

86 10.4 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

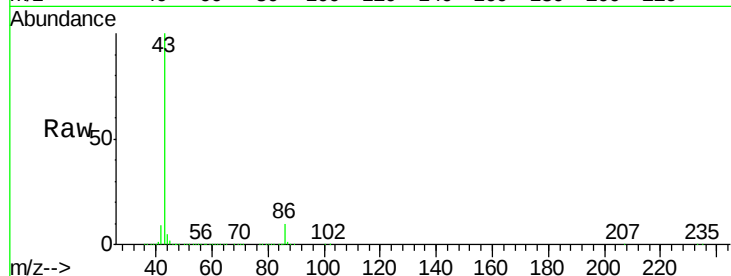
VSTDCCC050

Manual Integrations

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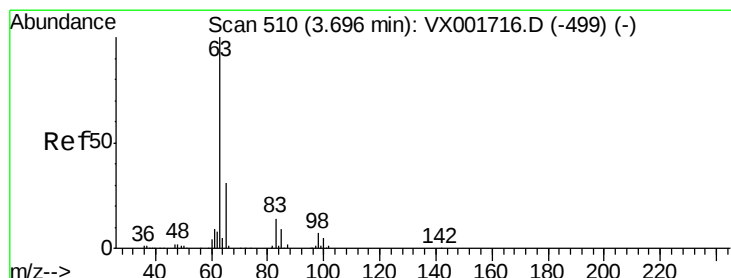
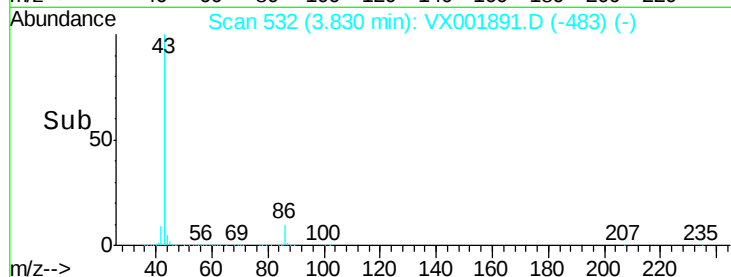
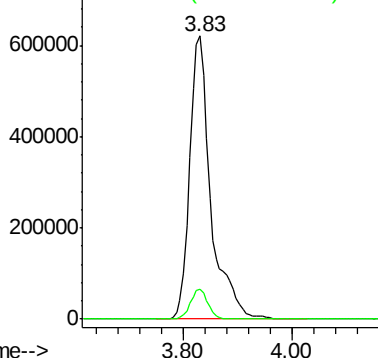
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.47 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

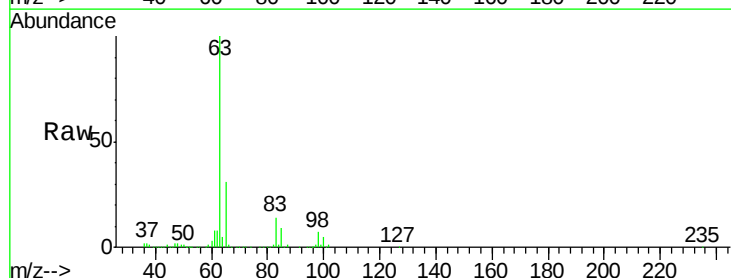
Tgt Ion: 63 Resp: 264716

Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

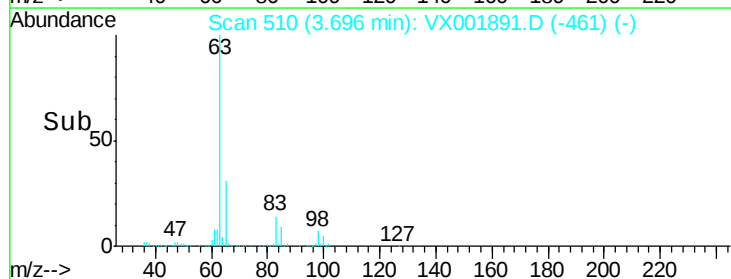
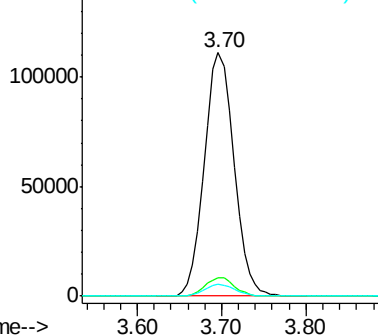
100 4.7 2.4 7.2

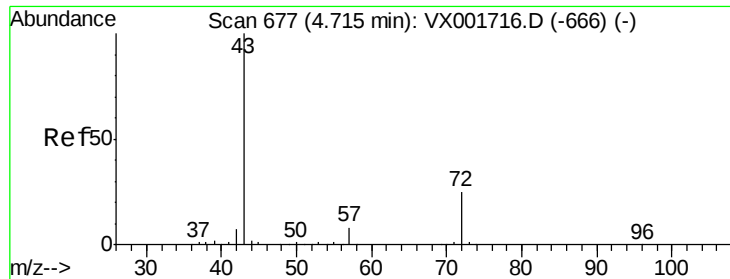


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 270.22 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 606385

Ion Ratio Lower Upper

43 100

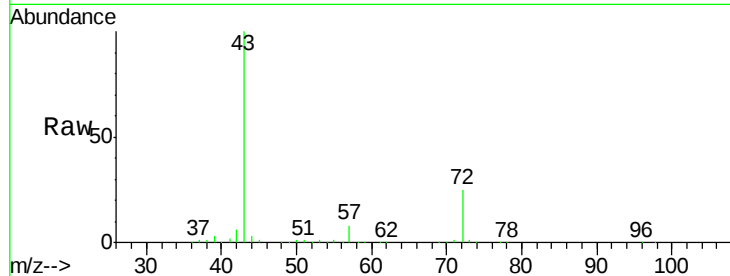
72 24.8 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

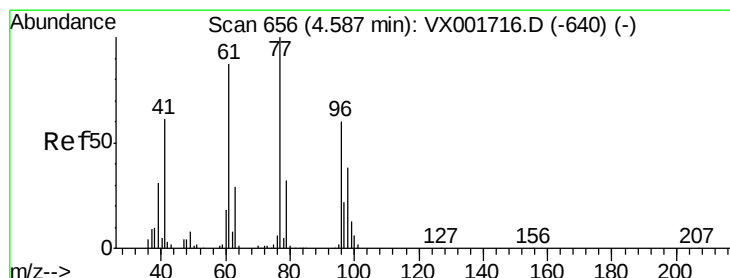
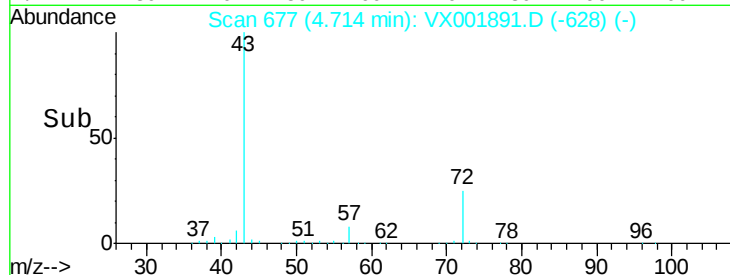
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.47 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001891.D

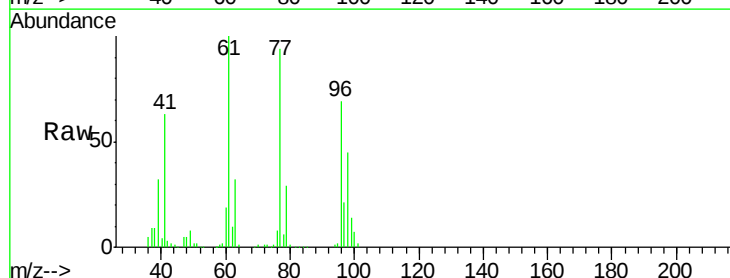
Acq: 22 May 2018 13:54

Tgt Ion: 77 Resp: 200180

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

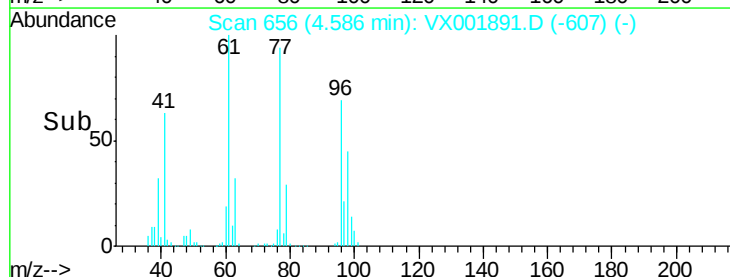
40000

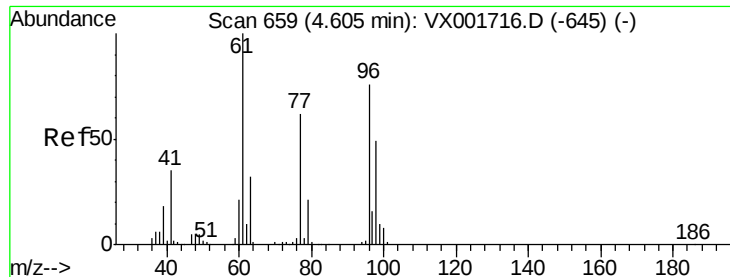
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

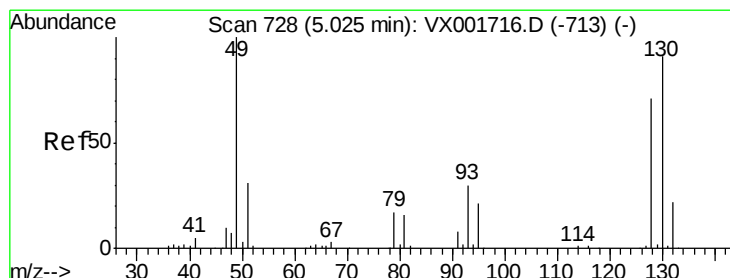
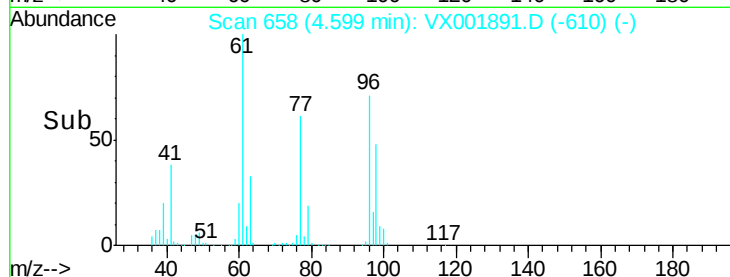
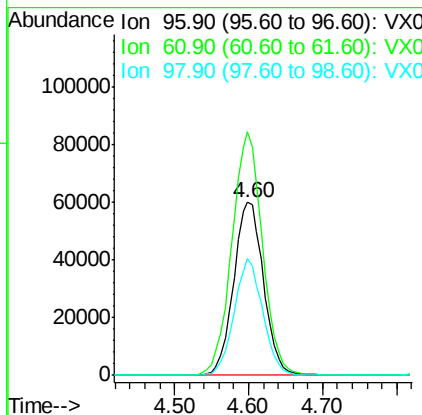
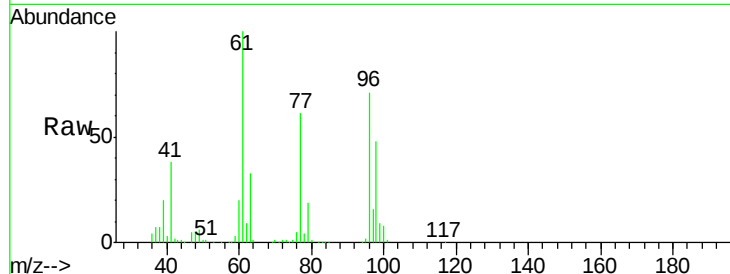
cis-1,2-Dichloroethene
Concen: 48.84 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	168488		
61	143.8	0.0	280.4	
98	64.6	0.0	128.4	

Manual Integrations
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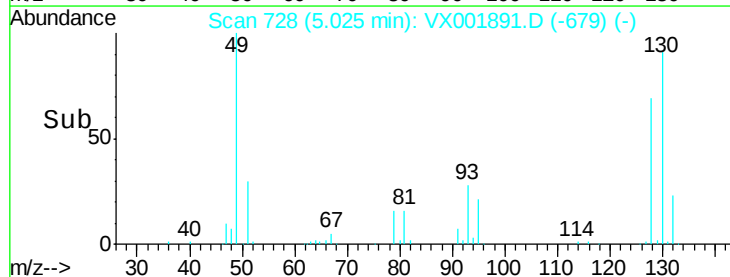
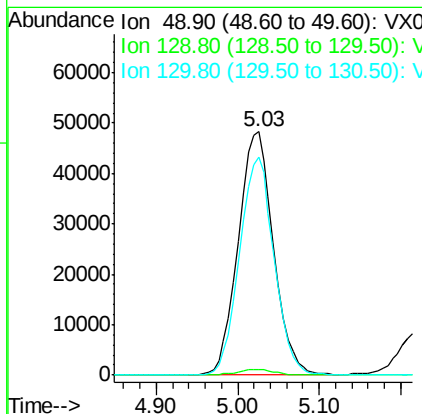
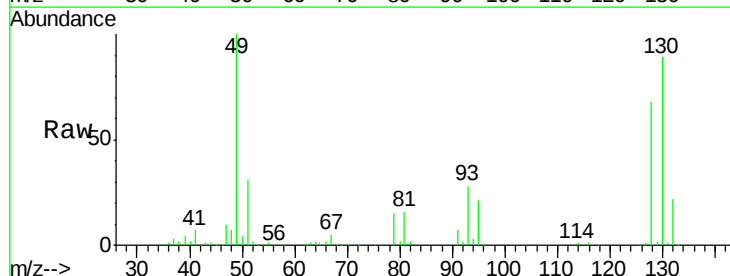
MMDadoda
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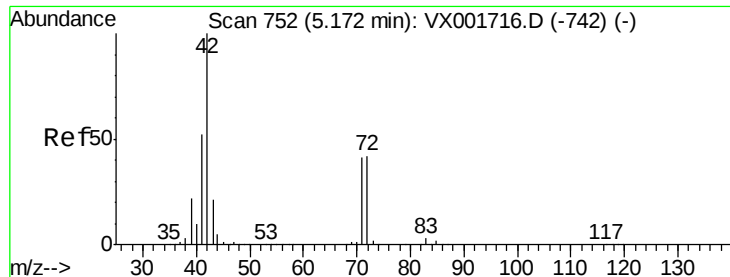


#28

Bromochloromethane
Concen: 60.83 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	144590		
129	2.4	0.0	5.0	
130	87.9	71.8	107.6	





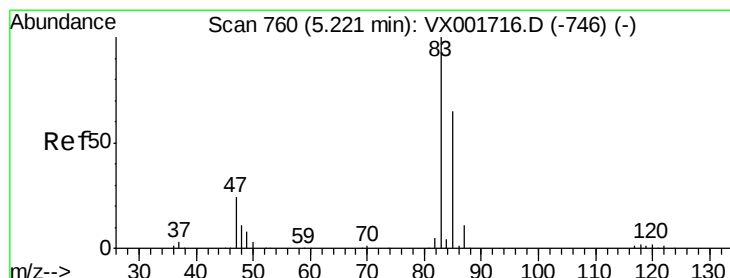
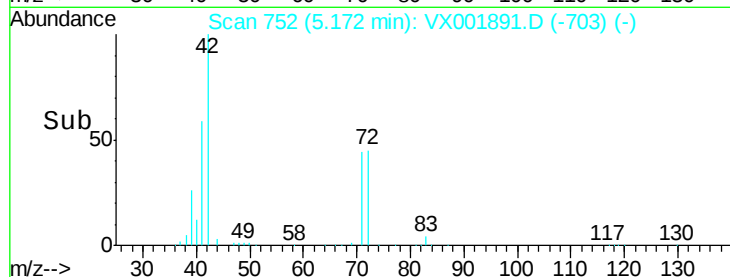
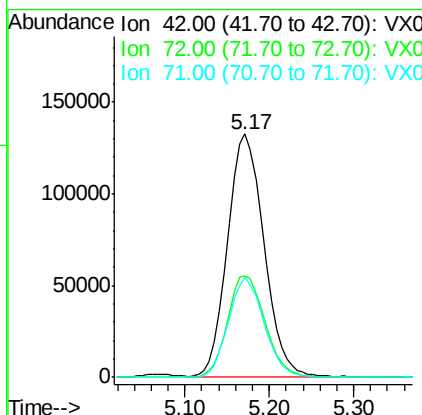
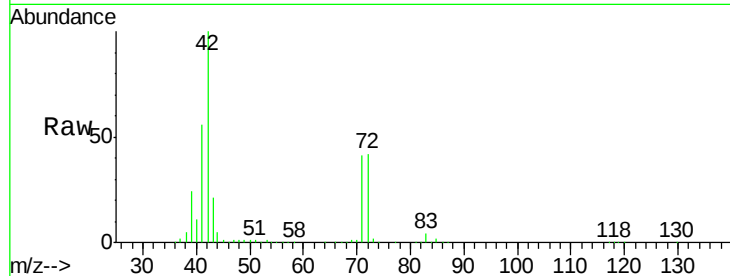
#29
Tetrahydrofuran
Concen: 266.32 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	35.4	53.2
71	40.5	33.2	49.8

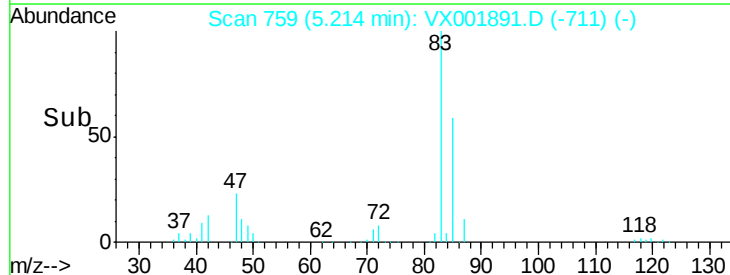
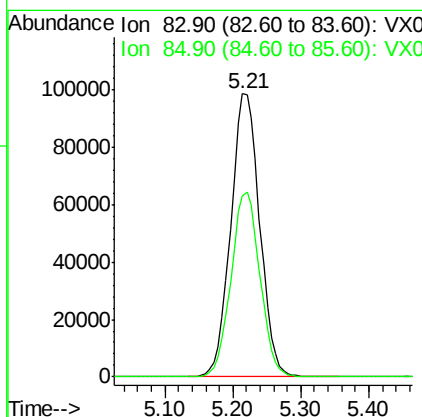
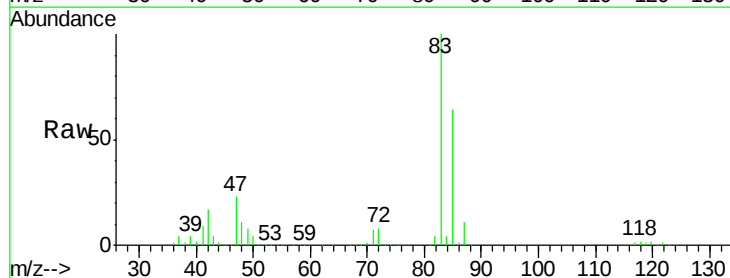
Manual Integrations
APPROVED

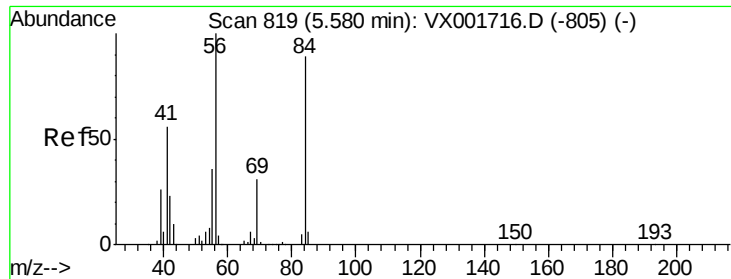
MMDadoda
5/24/2018 11:47:43 AM



#30
Chloroform
Concen: 51.83 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.3	78.5





#31

Cyclohexane

Concen: 49.74 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

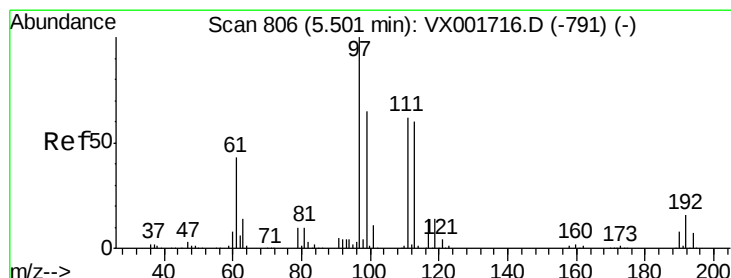
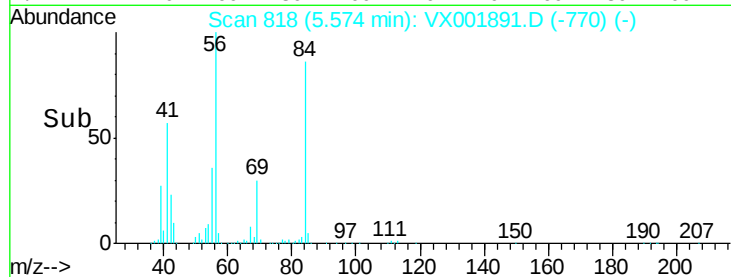
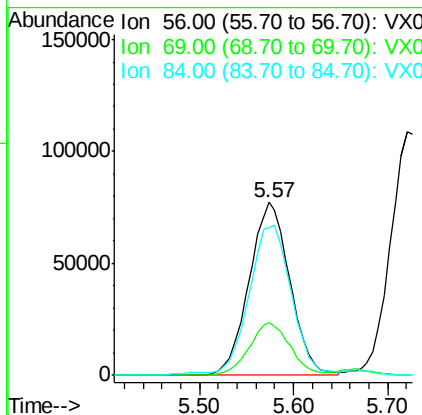
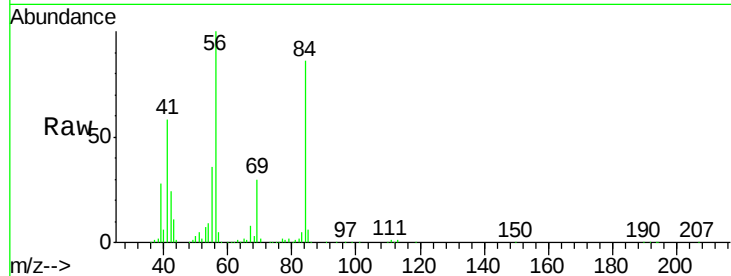
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	233302
Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.0	37.6
84	84.0	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.30 ug/l

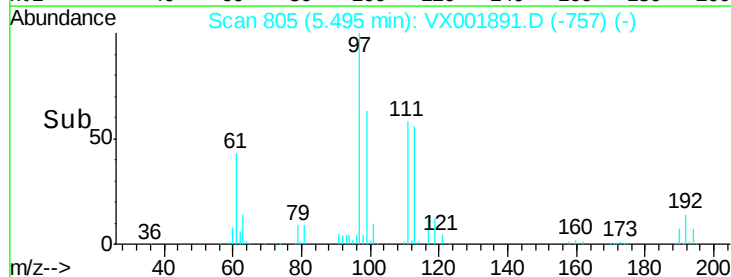
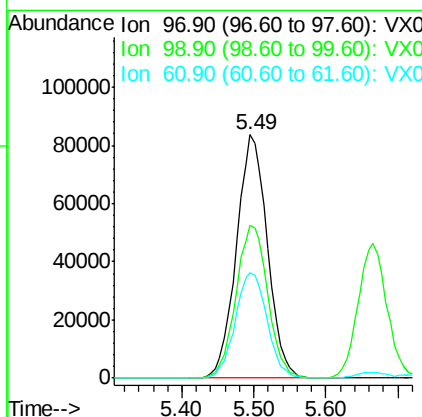
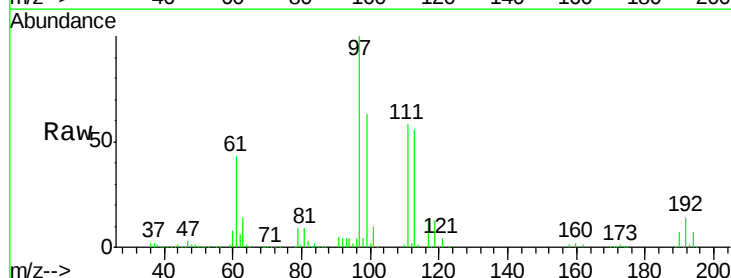
RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Tgt Ion:	97	Resp:	249171
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	44.8	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 50.07 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 186848

Ion Ratio Lower Upper

65 100

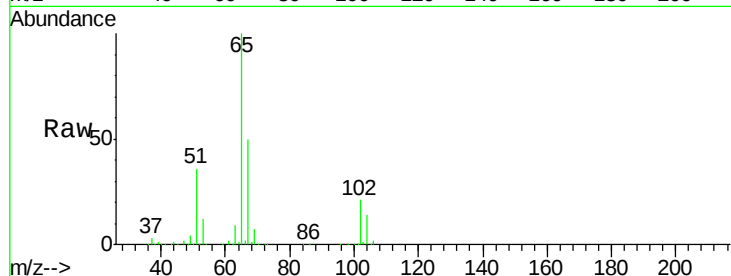
67 51.3 0.0 102.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX001716.D (-887) (-)

Ion 66.90 (66.60 to 67.60): VX001716.D (-887) (-)

6.07

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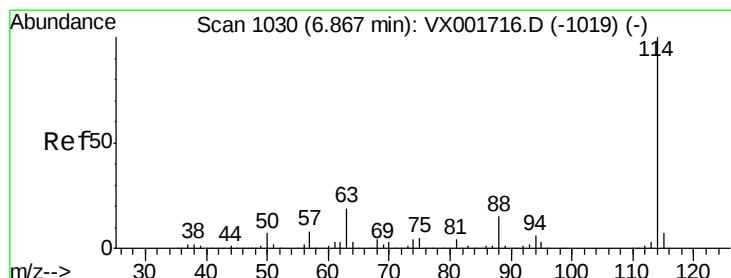
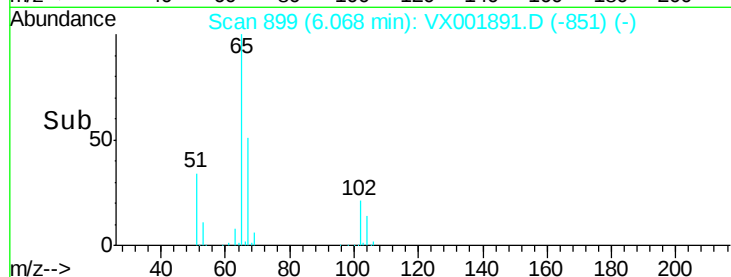
6.07

6.07

6.07

6.07

6.07



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

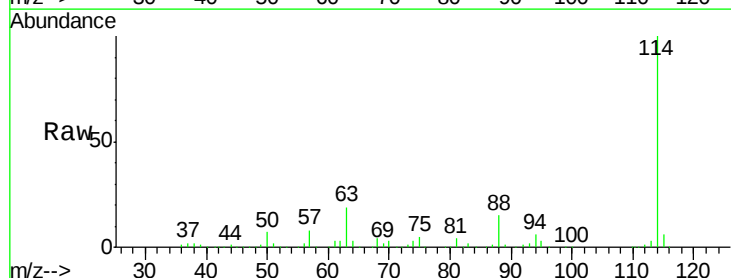
Tgt Ion: 114 Resp: 353092

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.0

88 15.4 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): VX001716.D (-1019) (-)

Ion 63.00 (62.70 to 63.70): VX001716.D (-1019) (-)

Ion 87.90 (87.60 to 88.60): VX001716.D (-1019) (-)

6.87

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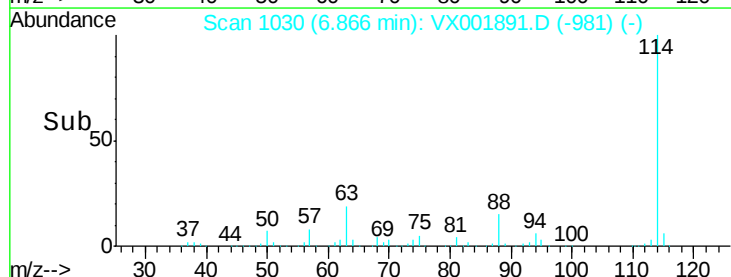
6.87

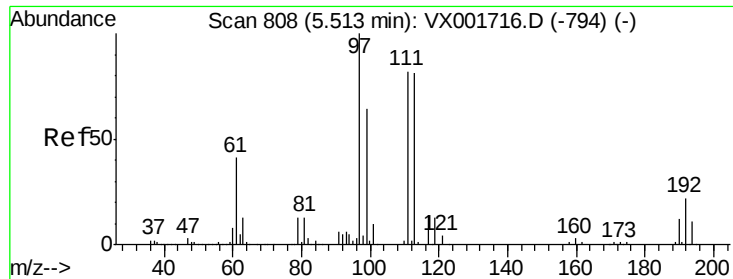
6.87

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6.87

6.87





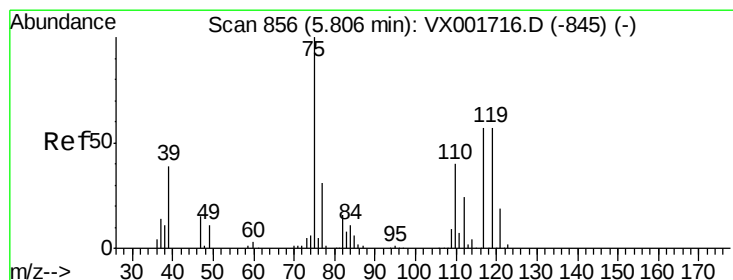
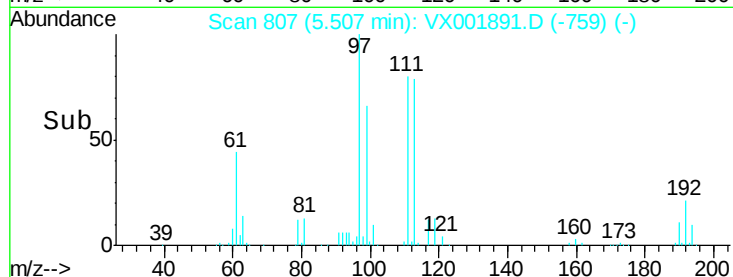
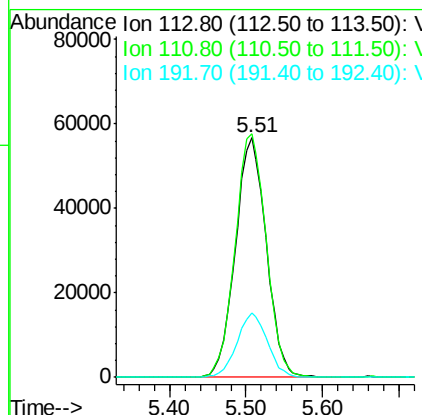
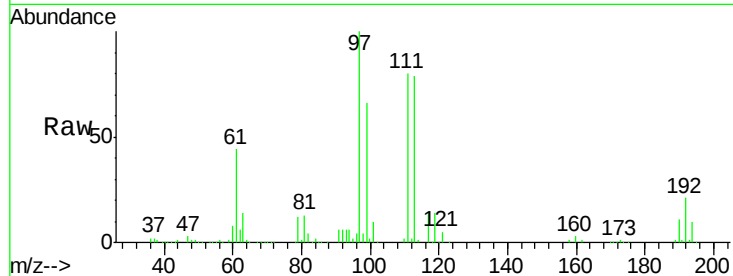
#35
 Dibromofluoromethane
 Concen: 53.14 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.0	123.0	
192	26.6	21.6	32.4	

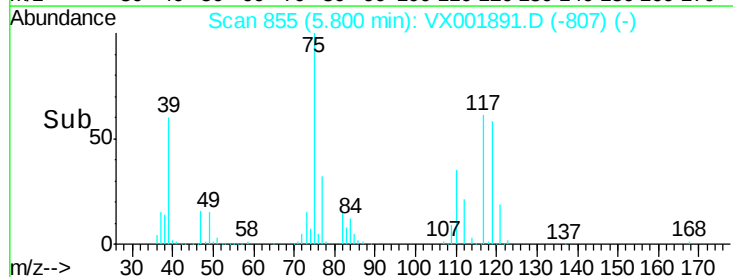
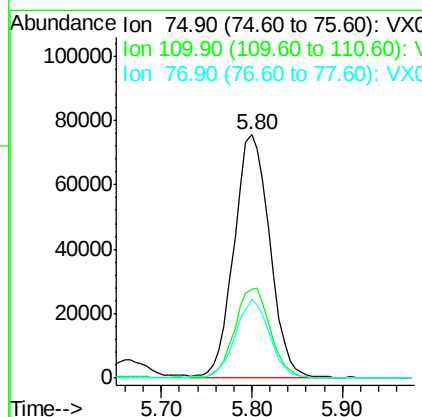
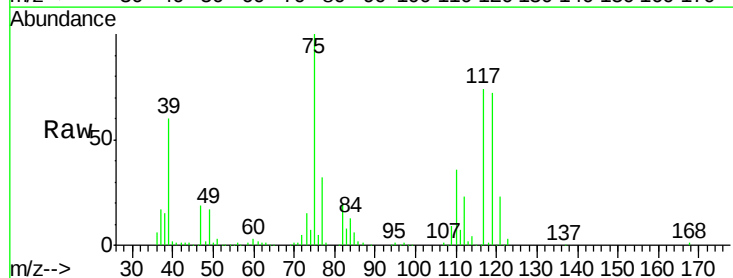
Manual Integrations
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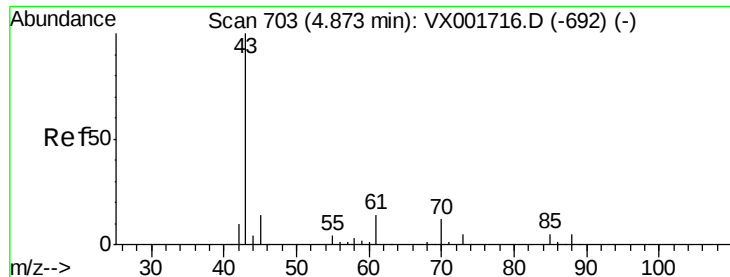
MMDadoda
 5/24/2018 11:47:43 AM



#36
 1,1-Dichloropropene
 Concen: 50.41 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	19.1	57.1	
77	31.2	24.6	37.0	





#37

Ethyl Acetate

Concen: 54.22 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

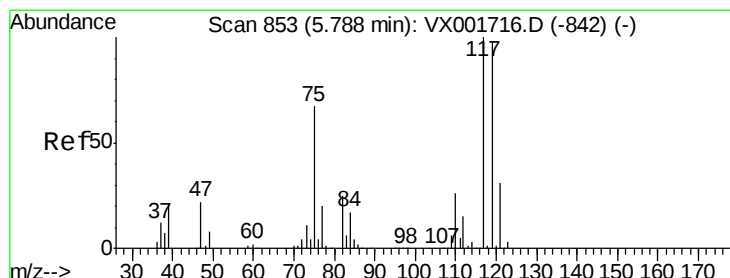
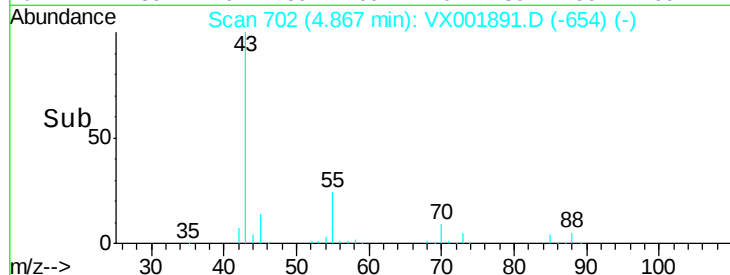
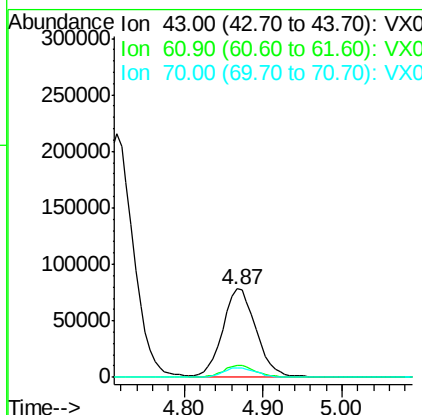
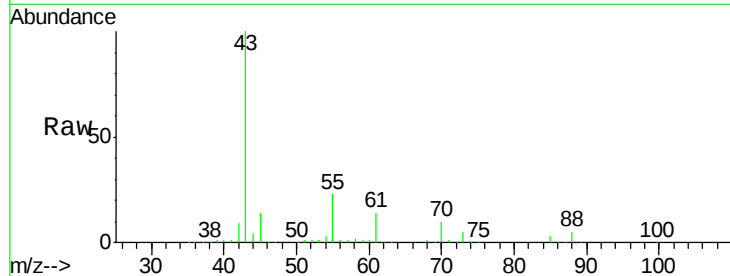
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	229668
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.9	16.3
70	10.9	8.8	13.2

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#38

Carbon Tetrachloride

Concen: 53.80 ug/l

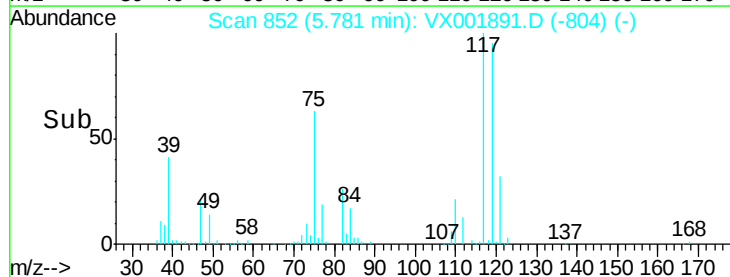
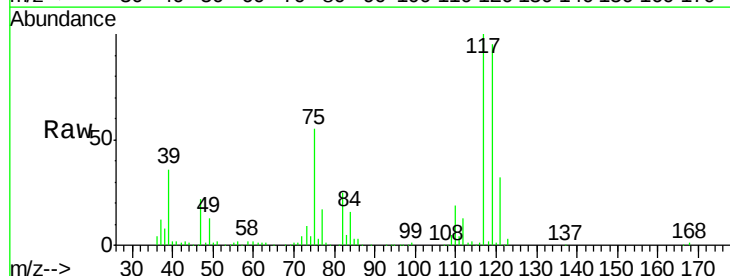
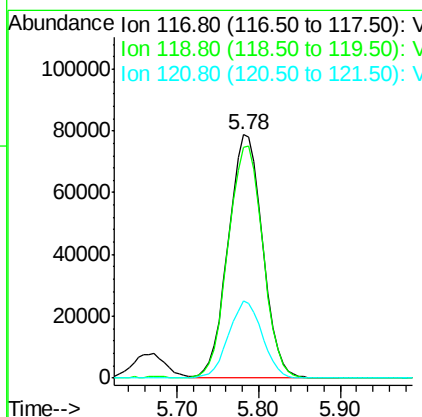
RT: 5.78 min Scan# 852

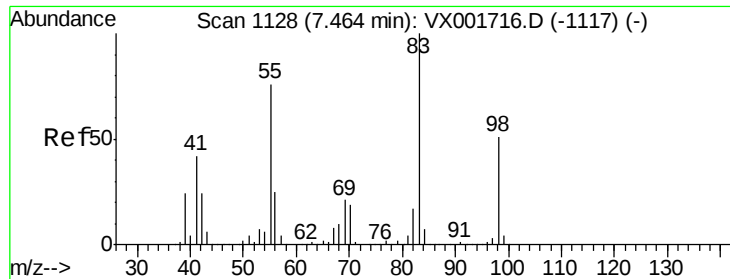
Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Tgt Ion:	117	Resp:	229083
Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.6	116.4
121	31.9	24.6	36.8





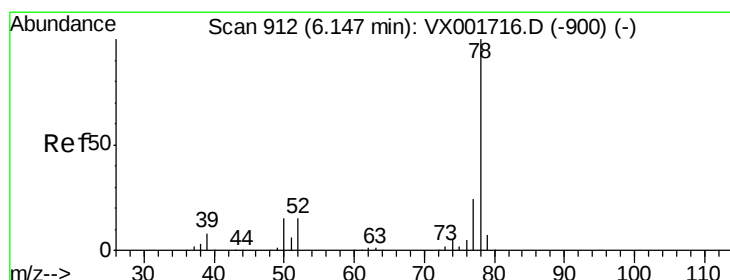
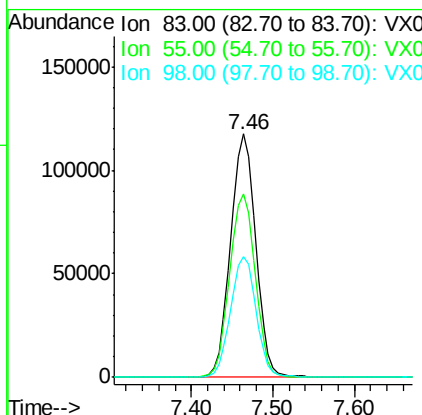
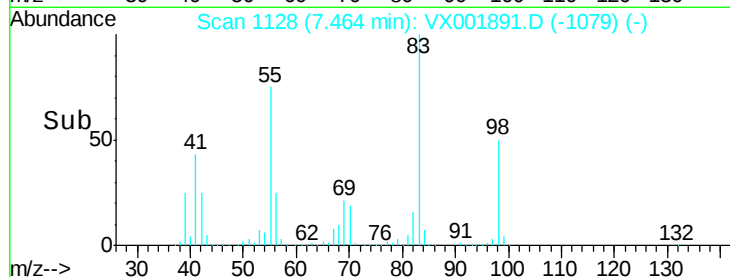
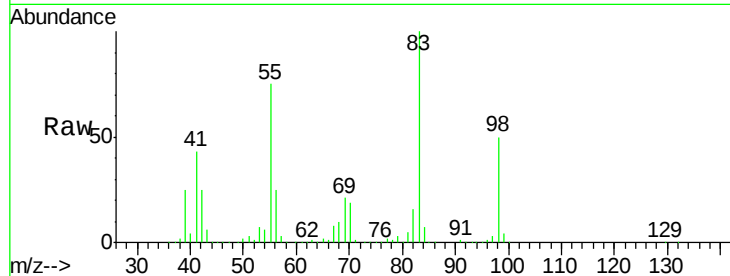
#39
Methvlcvclohexane
Concen: 52.58 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.6	90.8
98	49.6	40.4	60.6

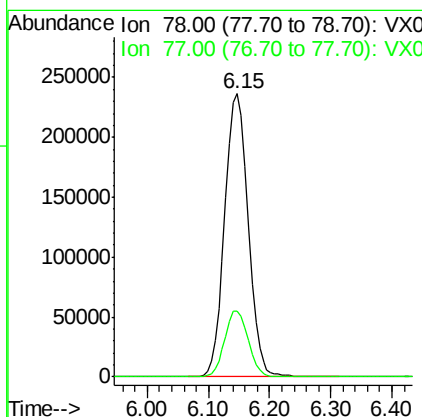
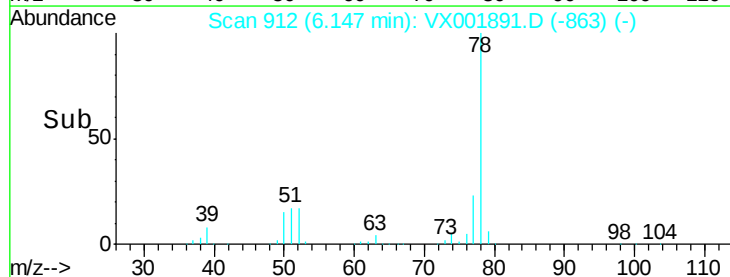
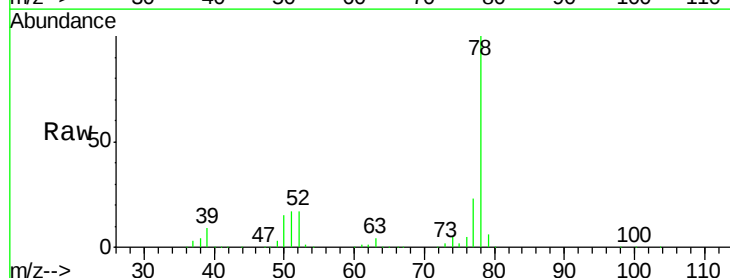
Manual Integrations
APPROVED

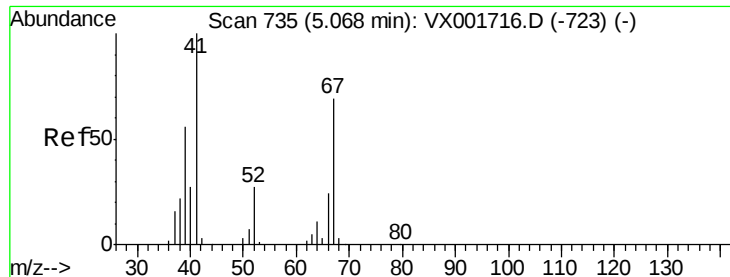
MMDadoda
5/24/2018 11:47:43 AM



#40
Benzene
Concen: 52.46 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





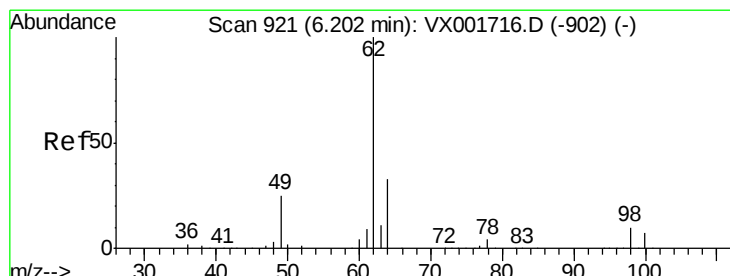
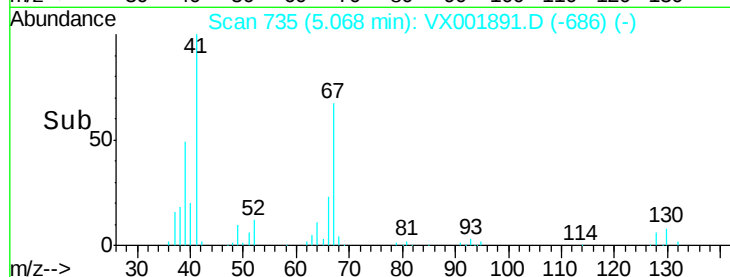
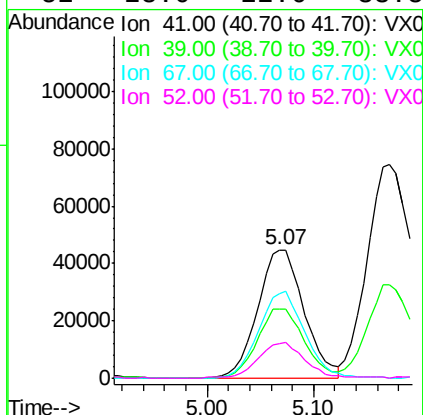
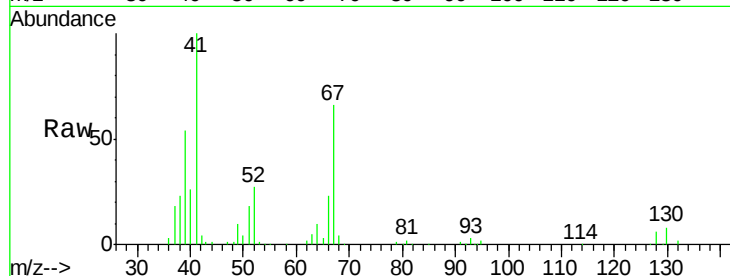
#41
Methacrylonitrile
Concen: 55.29 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	54.6	44.2	66.4		
67	67.5	56.0	84.0		
52	28.0	22.6	33.8		

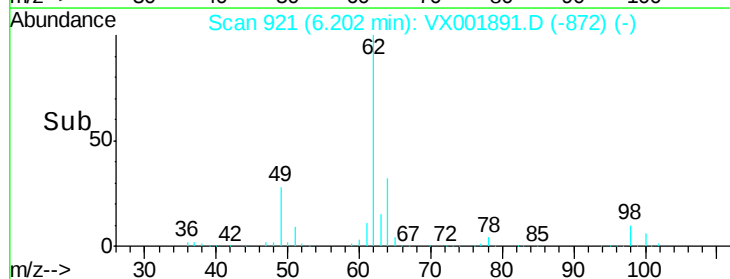
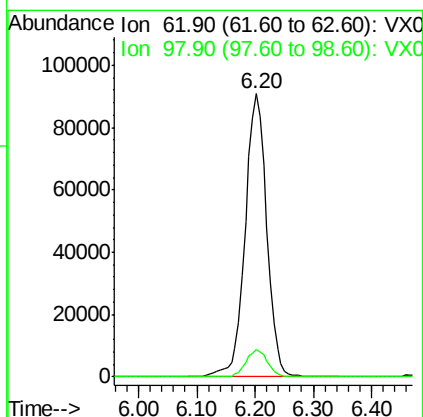
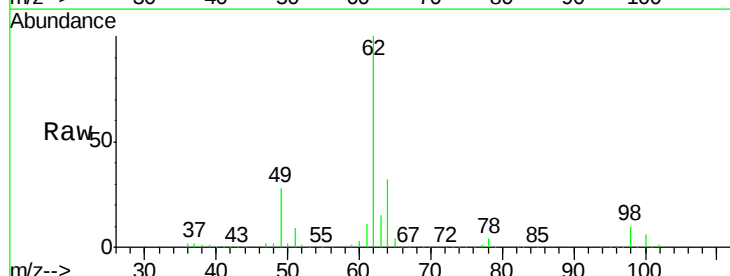
Manual Integrations
APPROVED

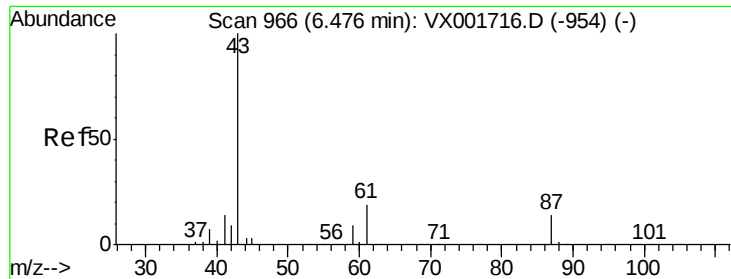
MMDadoda
5/24/2018 11:47:43 AM



#42
1,2-Dichloroethane
Concen: 53.47 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.7	0.0	20.0		





#43

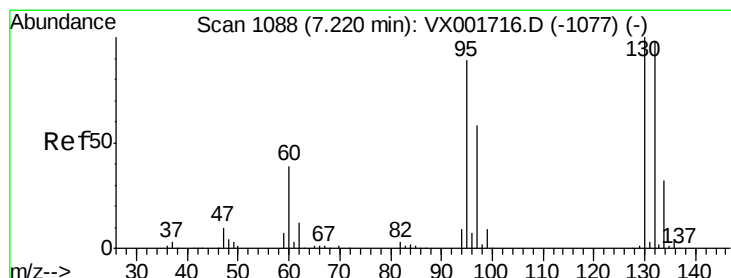
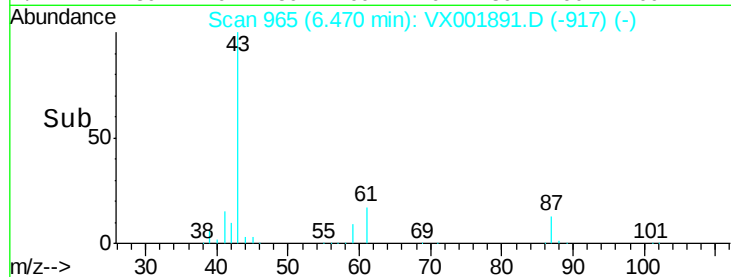
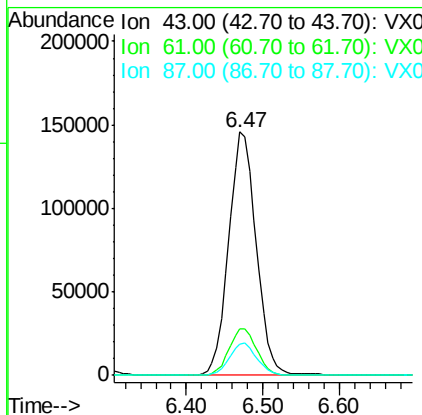
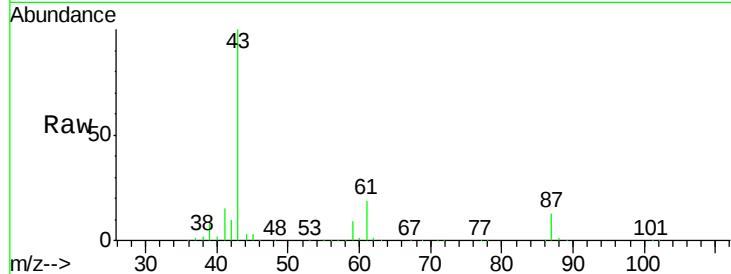
Isopropyl Acetate
 Concen: 54.59 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	43	Resp:	361901
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.8	23.8
87	13.2	11.0	16.4

Manual Integrations
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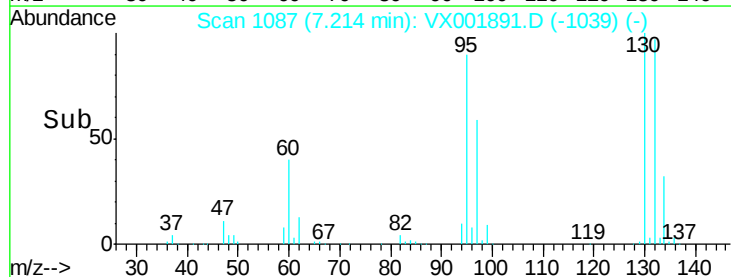
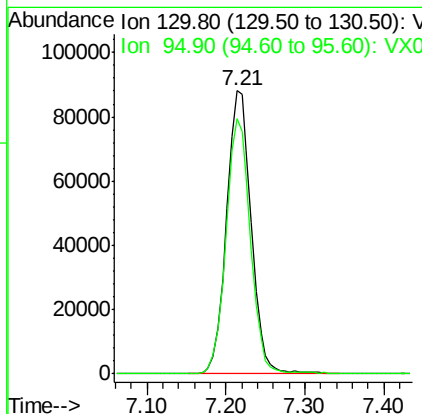
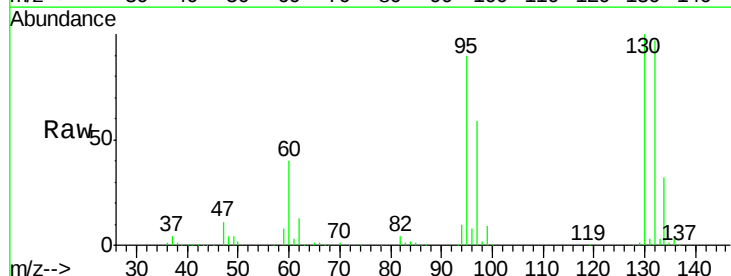
MMDadoda
 5/24/2018 11:47:43 AM

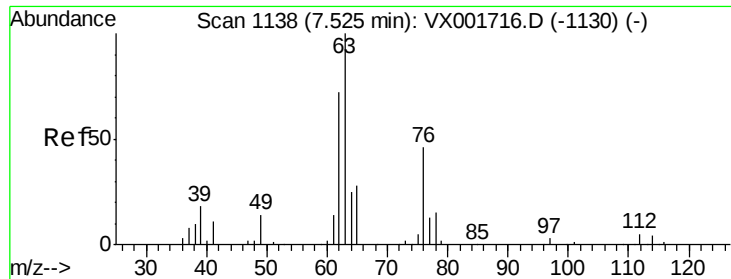


#44

Trichloroethene
 Concen: 51.49 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Tgt Ion:	130	Resp:	191403
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	177.2





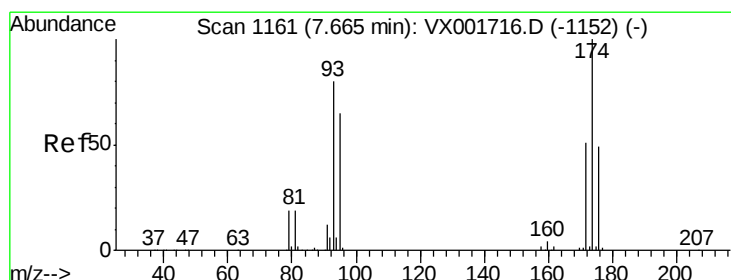
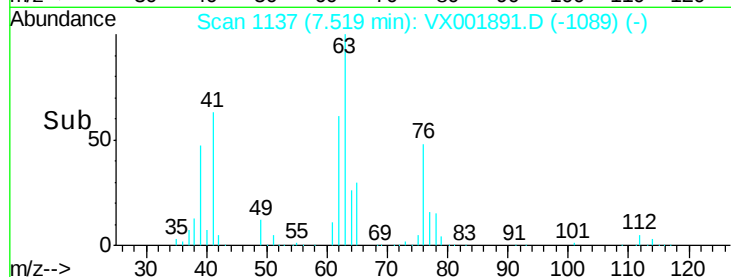
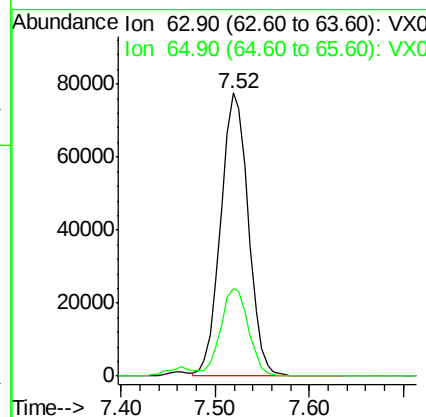
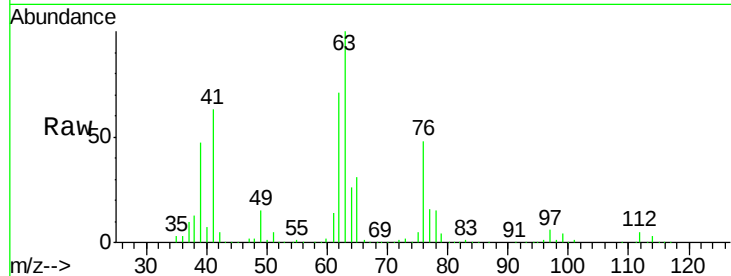
#45
 1,2-Dichloropropane
 Concen: 53.64 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.2

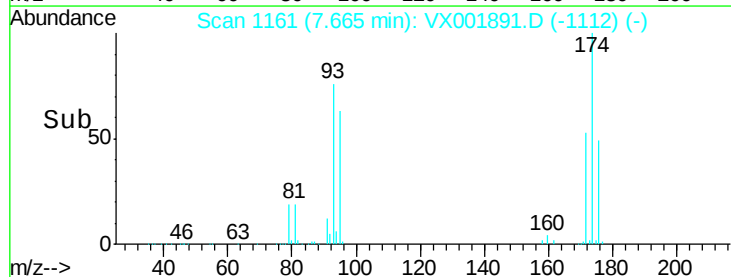
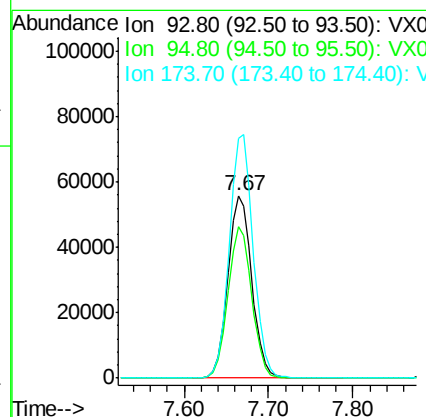
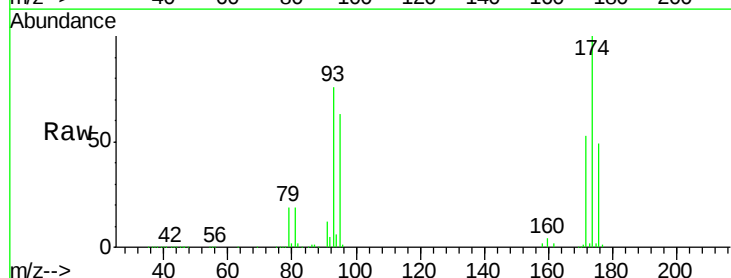
Manual Integrations
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#46
 Dibromomethane
 Concen: 52.59 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.9	98.9
174	132.9	106.2	159.2





#47

Bromodichloromethane

Concen: 56.90 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

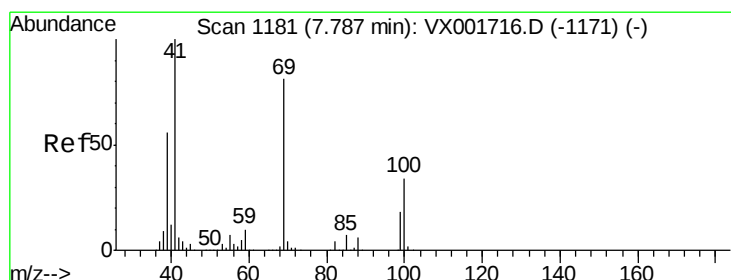
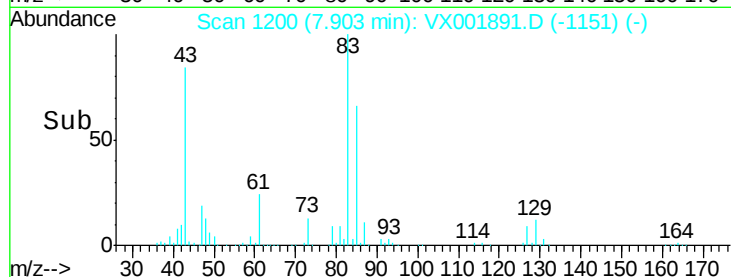
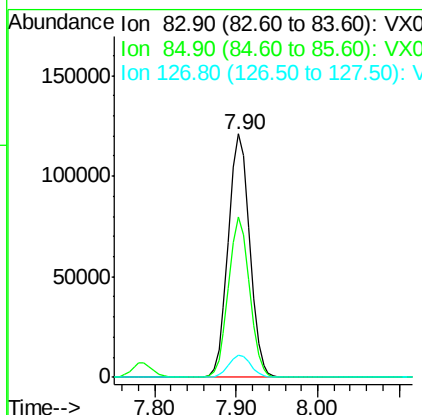
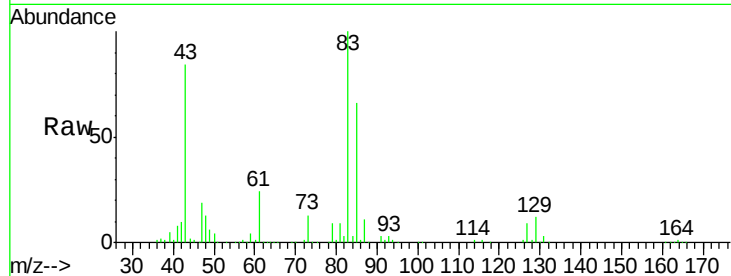
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	217870
Ion	Ratio	Lower	Upper
83	100		
85	66.1	49.6	74.4
127	9.3	7.5	11.3

Manual Integrations
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MMDadoda
5/24/2018 11:47:43 AM



#48

Methyl methacrylate

Concen: 56.45 ug/l

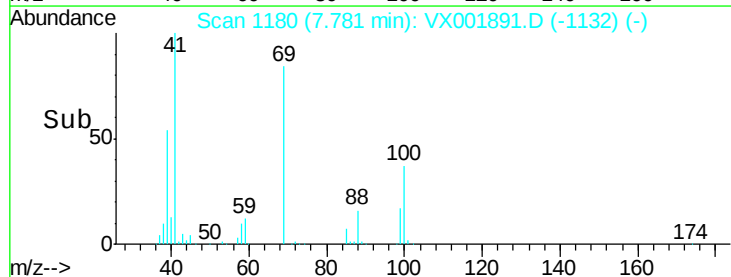
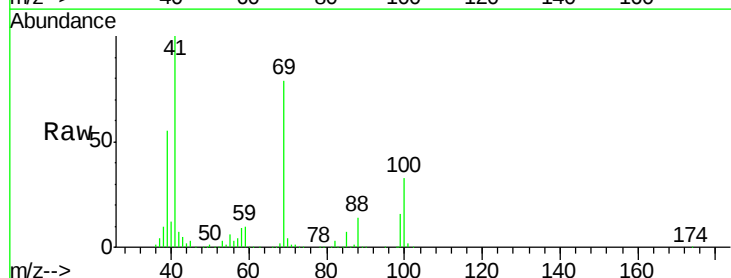
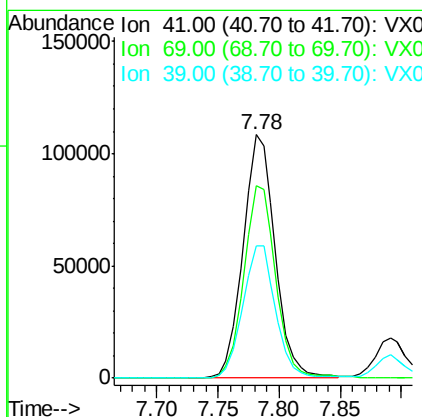
RT: 7.78 min Scan# 1180

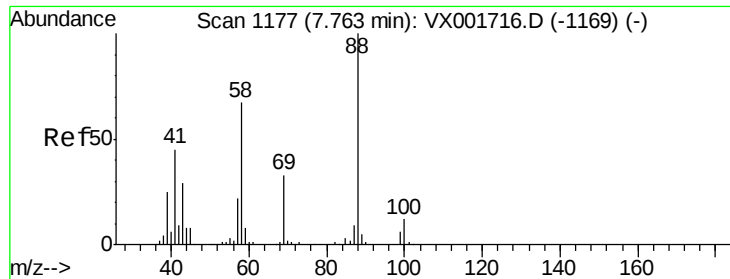
Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Tgt Ion:	41	Resp:	196977
Ion	Ratio	Lower	Upper
41	100		
69	79.7	65.2	97.8
39	55.6	44.5	66.7





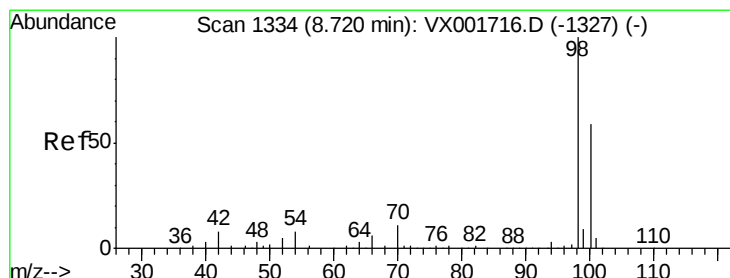
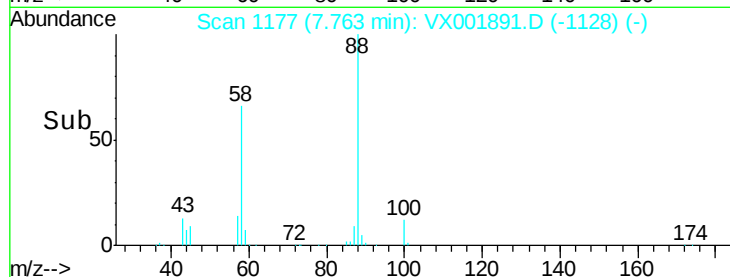
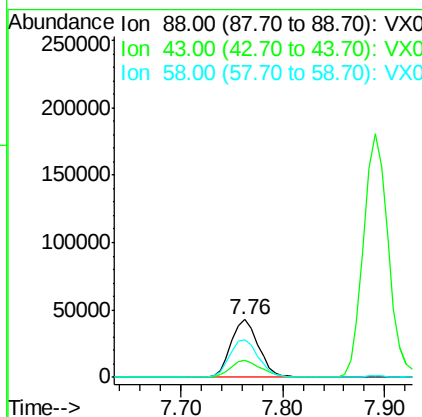
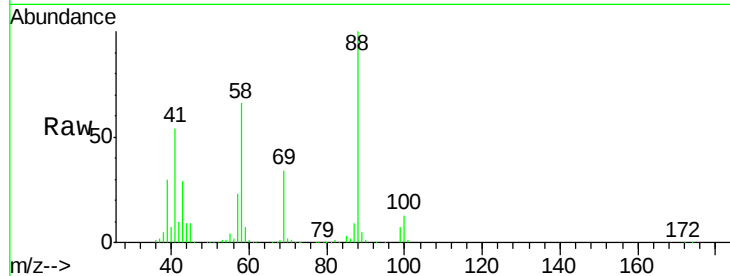
#49
1,4-Dioxane
Concen: 1196.89 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	27.3	40.9
58	67.4	55.9	83.9

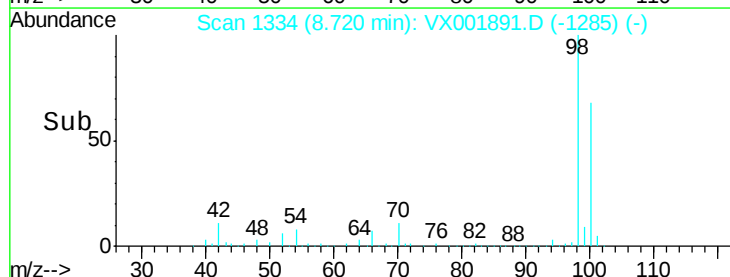
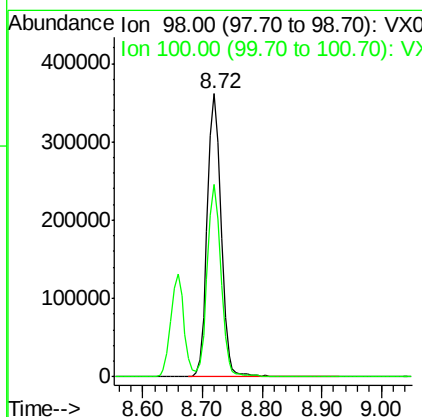
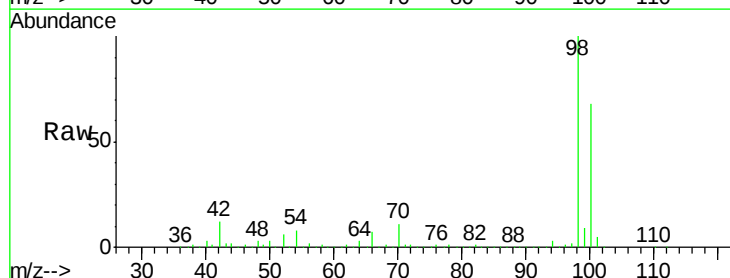
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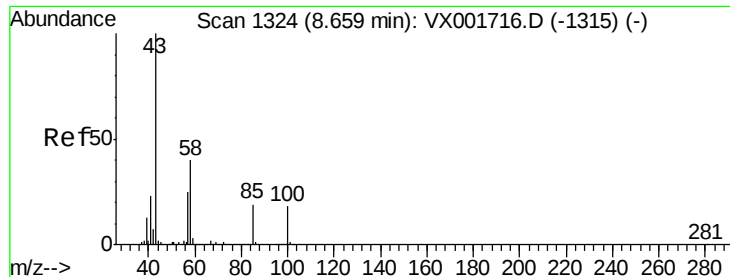
MMDadoda
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#50
Toluene-d8
Concen: 54.13 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	54.0	81.0





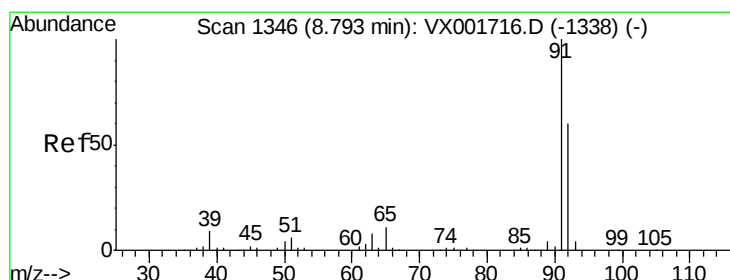
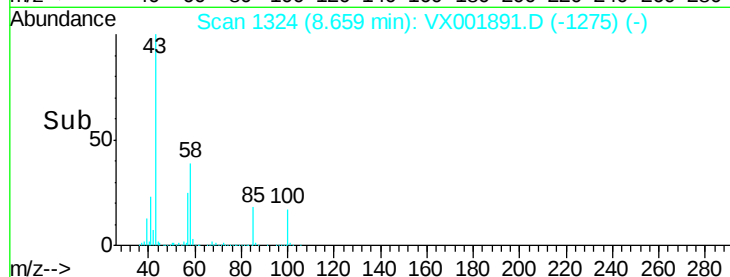
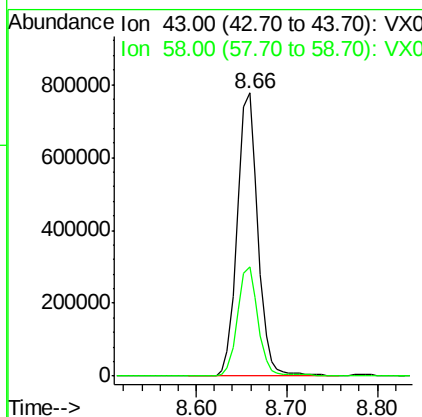
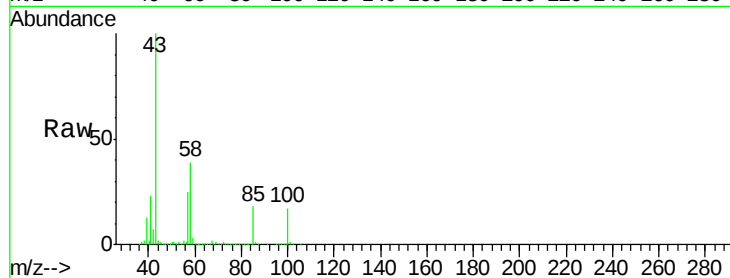
#51
4-Methyl-2-Pentanone
Concen: 293.31 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1232327
Ion Ratio Lower Upper
43 100
58 38.2 31.4 47.0

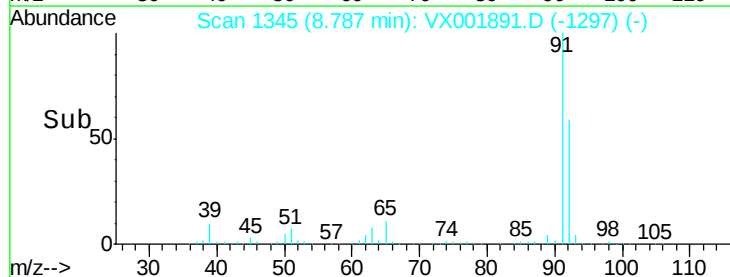
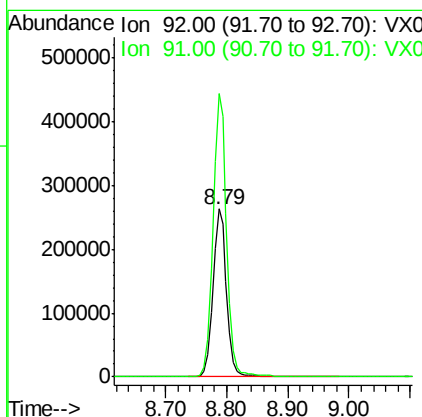
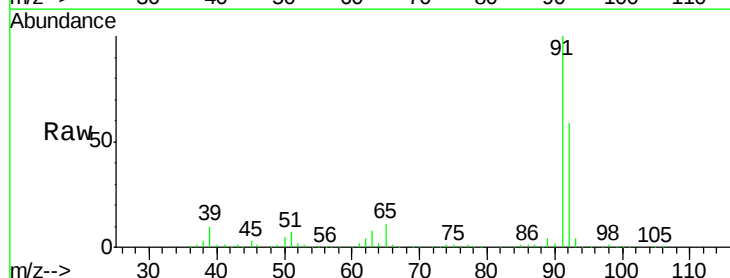
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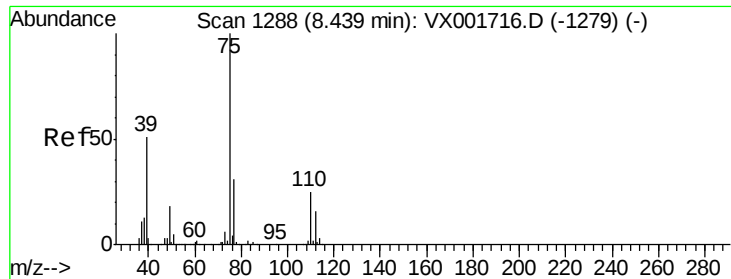
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#52
Toluene
Concen: 53.58 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion: 92 Resp: 412339
Ion Ratio Lower Upper
92 100
91 169.1 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 54.76 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 246688

Ion Ratio Lower Upper

75 100

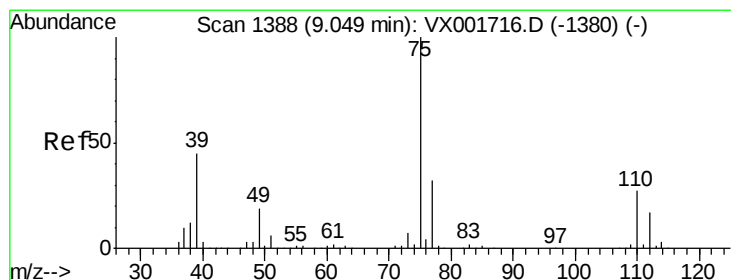
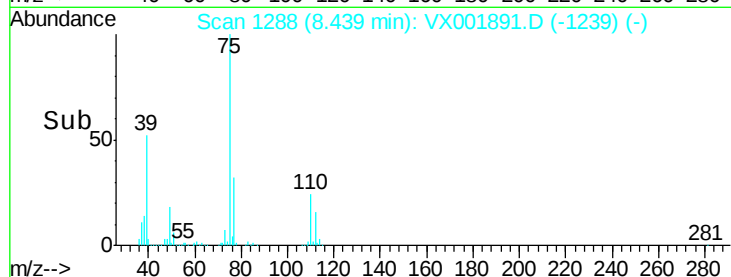
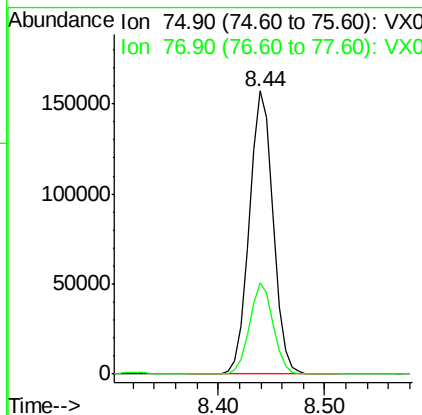
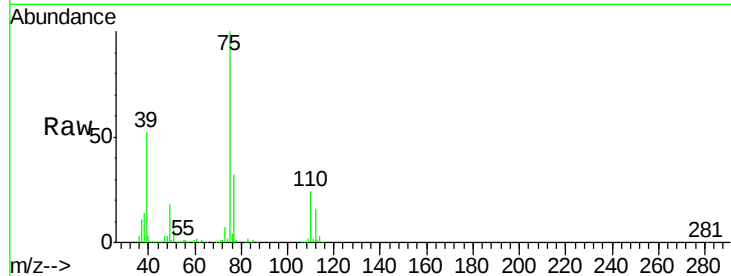
77 32.1 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 56.49 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

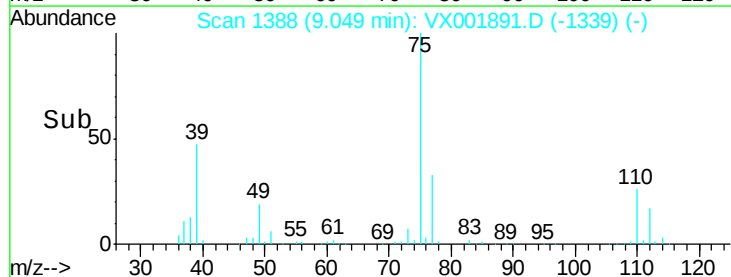
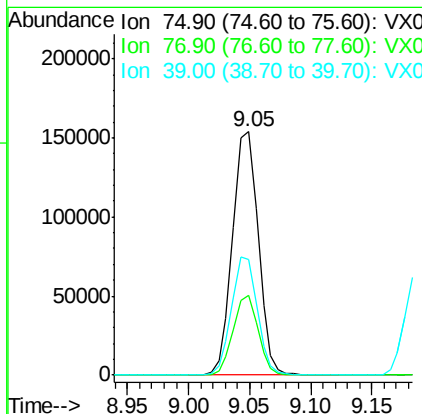
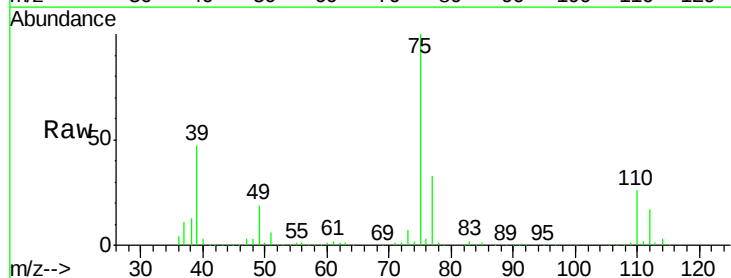
Tgt Ion: 75 Resp: 224345

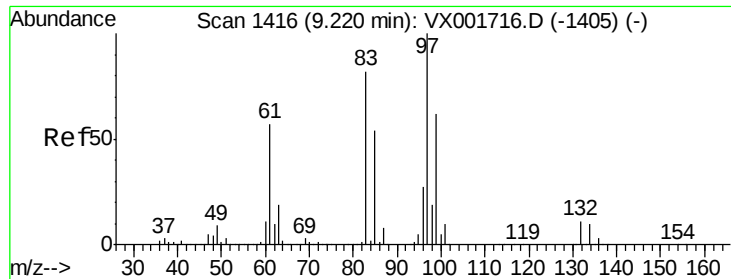
Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2

39 47.4 36.1 54.1





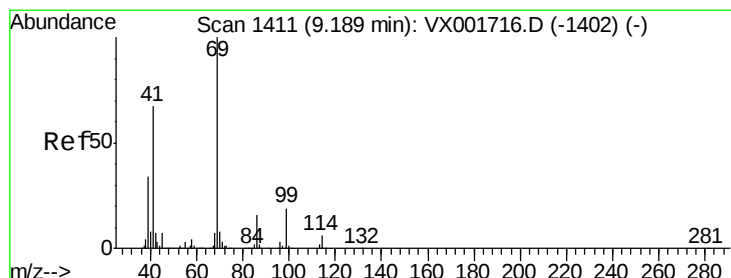
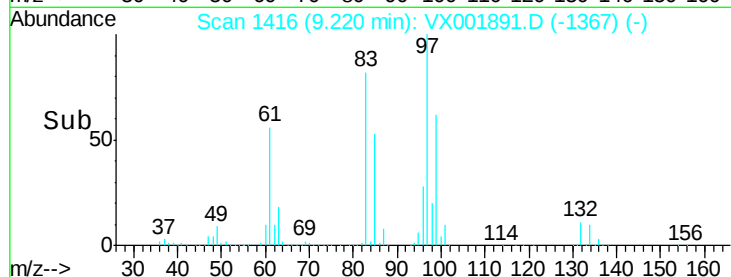
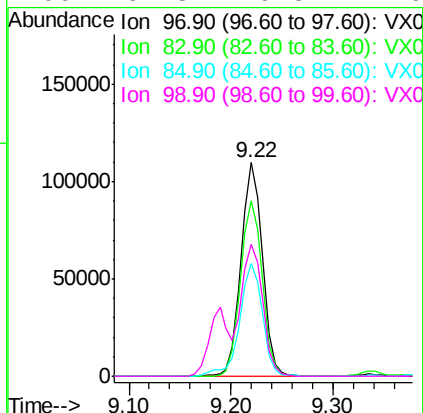
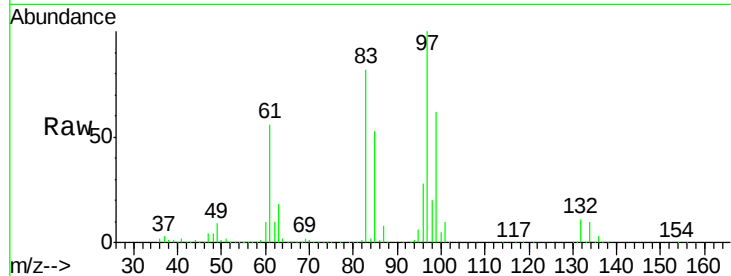
#55
 1,1,2-Trichloroethane
 Concen: 54.00 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	158856
Ion	Ratio	Lower	Upper
97	100		
83	81.9	65.8	98.8
85	52.8	43.4	65.0
99	61.8	49.8	74.6

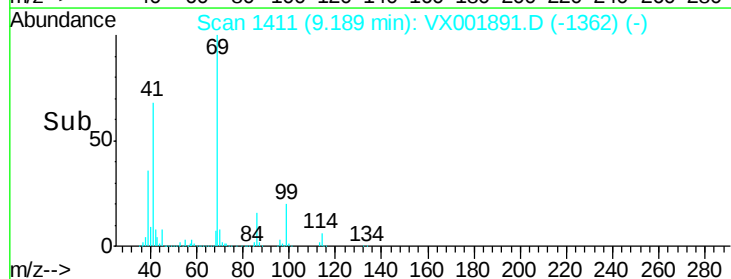
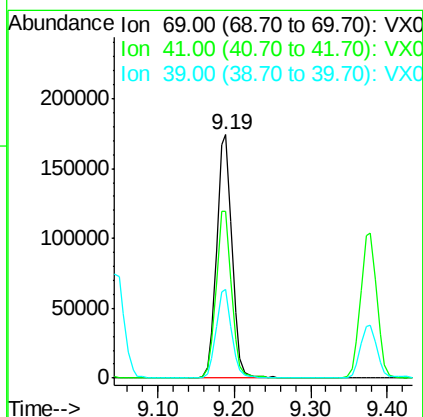
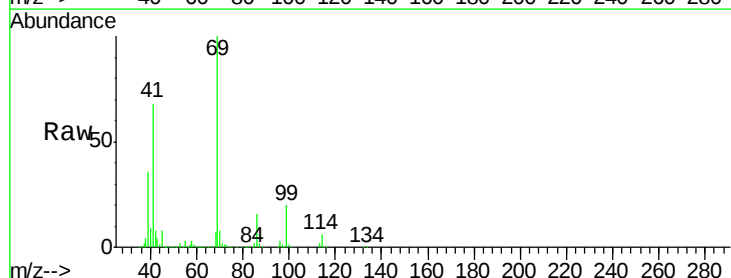
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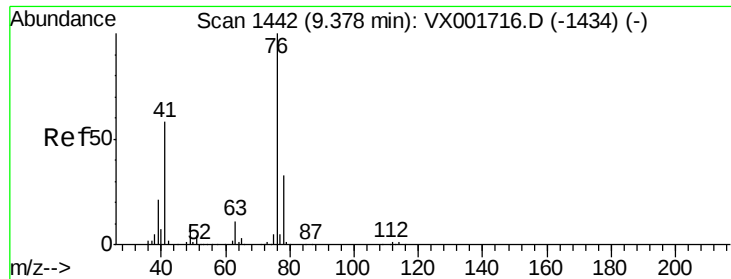
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#56
 Ethyl methacrylate
 Concen: 58.21 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Tgt Ion:	69	Resp:	242807
Ion	Ratio	Lower	Upper
69	100		
41	68.5	53.5	80.3
39	36.6	27.2	40.8





#57

1,3-Dichloropropane

Concen: 51.84 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 255294

Ion Ratio Lower Upper

76 100

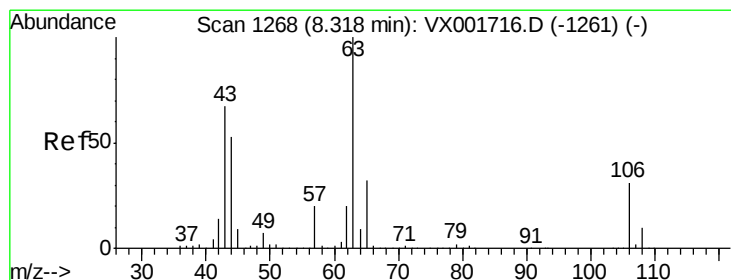
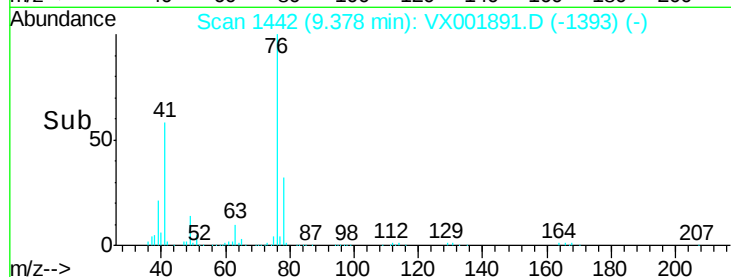
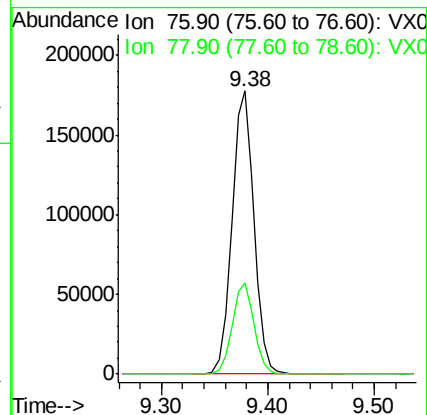
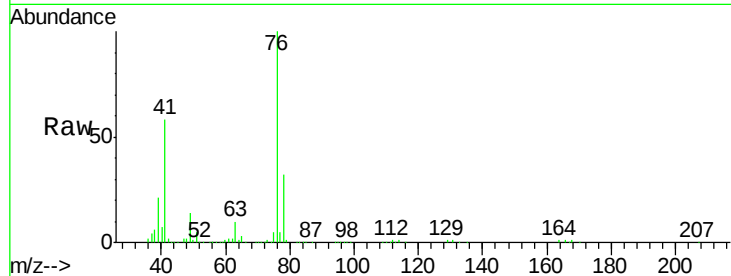
78 32.2 25.8 38.6

Manual Integrations

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MMDadoda

5/24/2018 11:47:43 AM



#58

2-Chloroethyl Vinyl ether

Concen: 293.78 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX001891.D

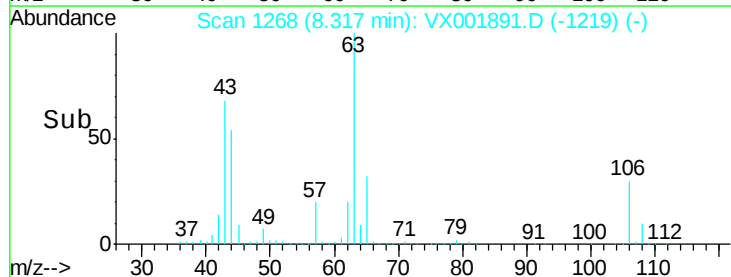
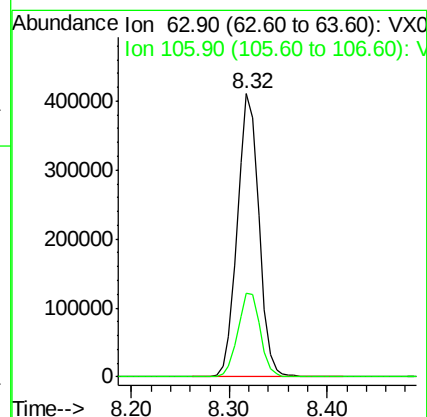
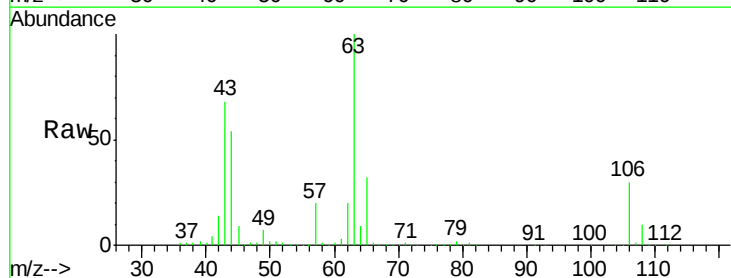
Acq: 22 May 2018 13:54

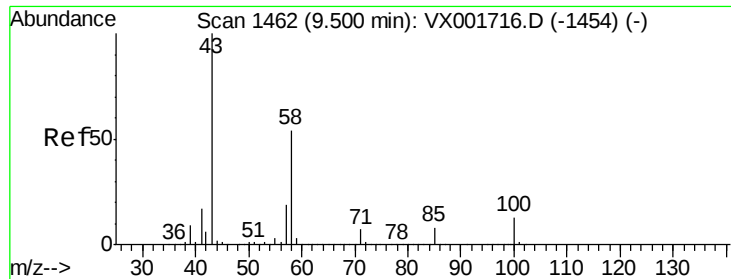
Tgt Ion: 63 Resp: 630382

Ion Ratio Lower Upper

63 100

106 30.8 25.1 37.7





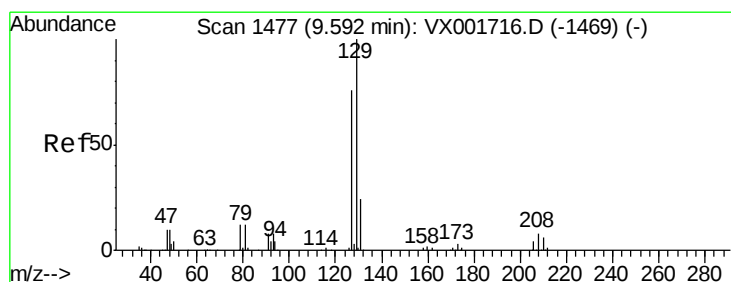
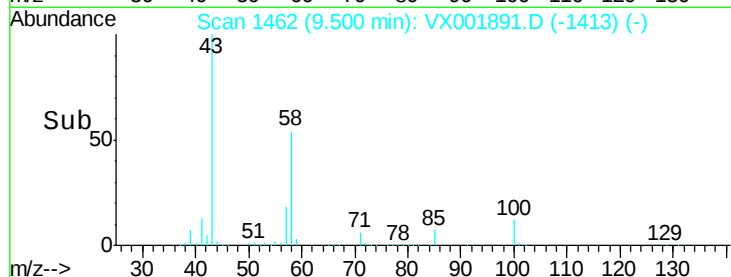
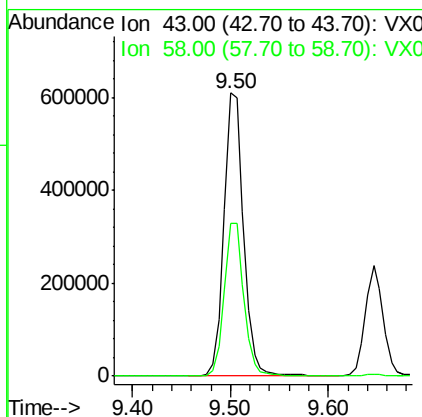
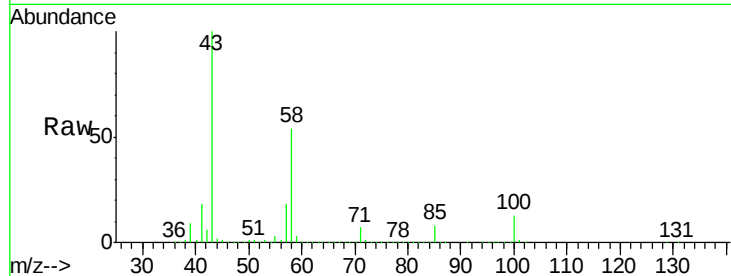
#59
2-Hexanone
Concen: 281.56 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 846817
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.1

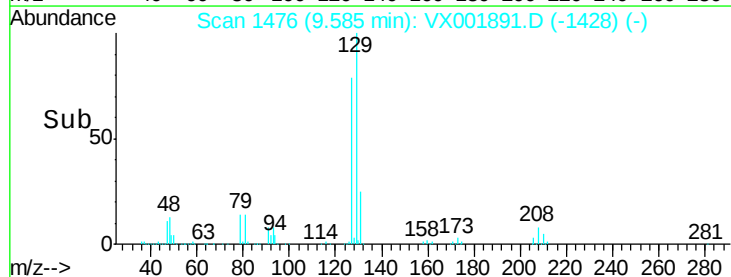
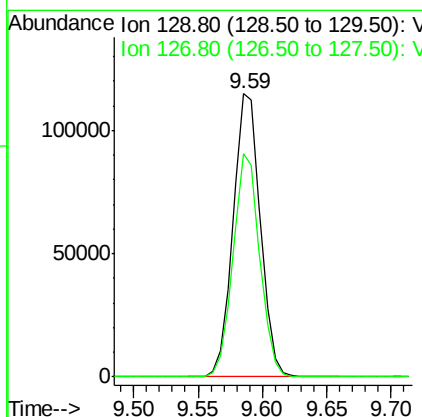
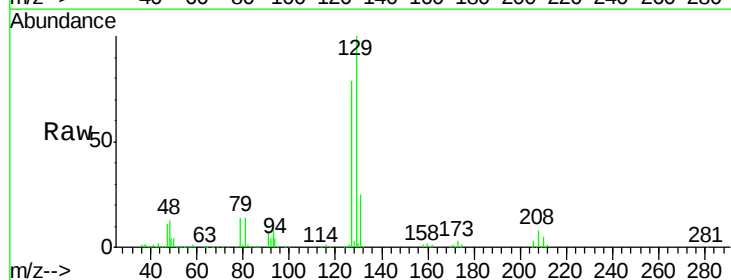
Manual Integrations
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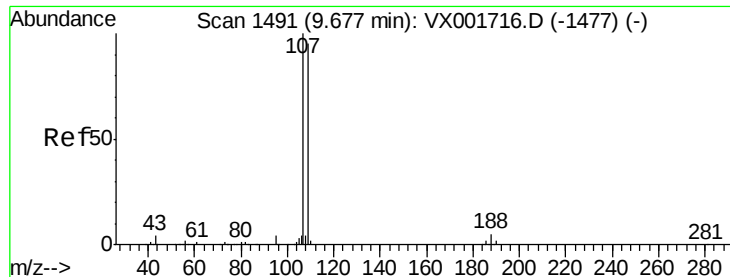
MMDadoda
5/24/2018 11:47:43 AM



#60
Dibromochloromethane
Concen: 56.18 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion: 129 Resp: 169223
Ion Ratio Lower Upper
129 100
127 77.1 38.7 116.1





#61

1,2-Dibromoethane

Concen: 52.04 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 160239

Ion Ratio Lower Upper

107 100

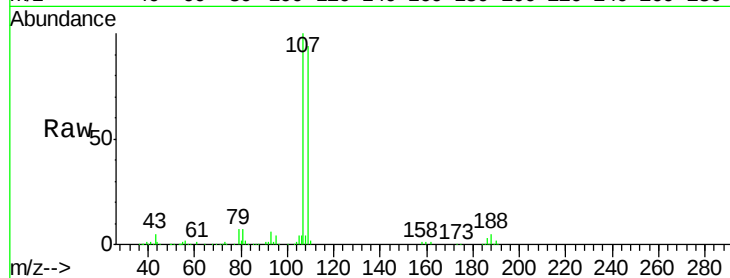
109 94.8 76.2 114.2

Manual Integrations

APPROVED

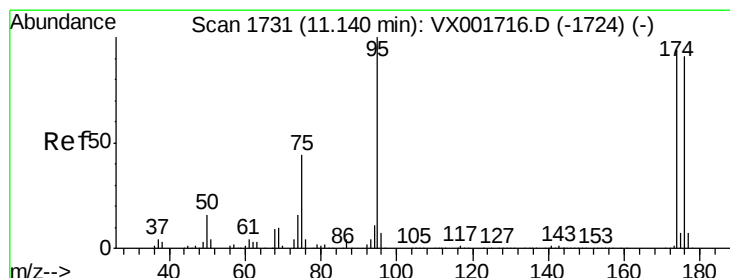
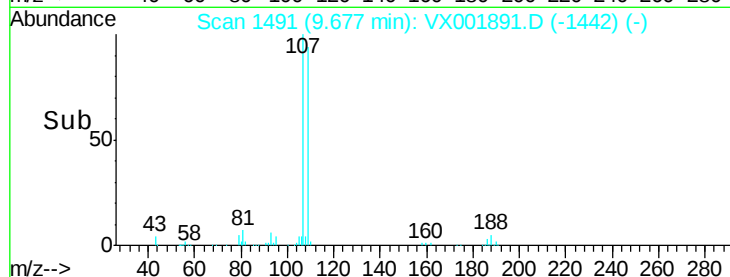
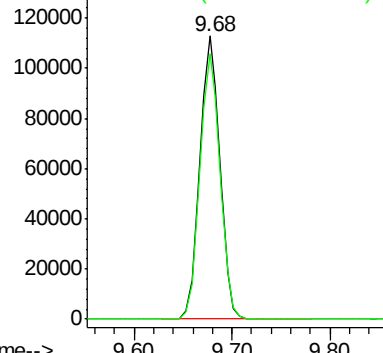
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

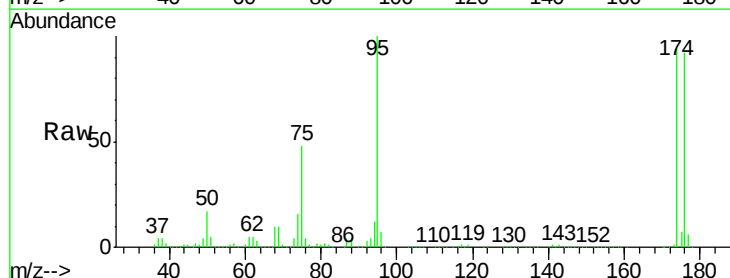
Tgt Ion: 95 Resp: 195202

Ion Ratio Lower Upper

95 100

174 101.5 0.0 201.8

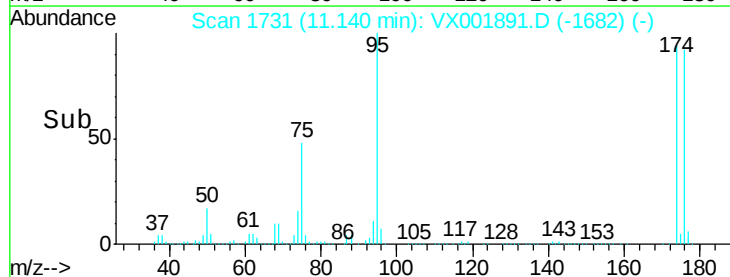
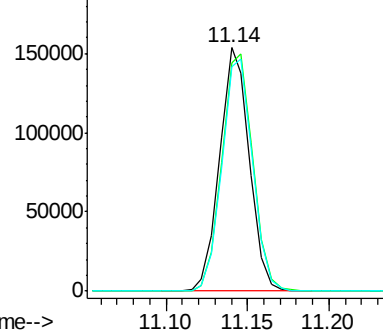
176 98.9 0.0 196.8

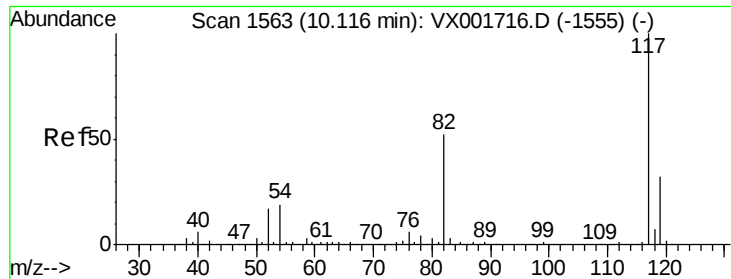


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





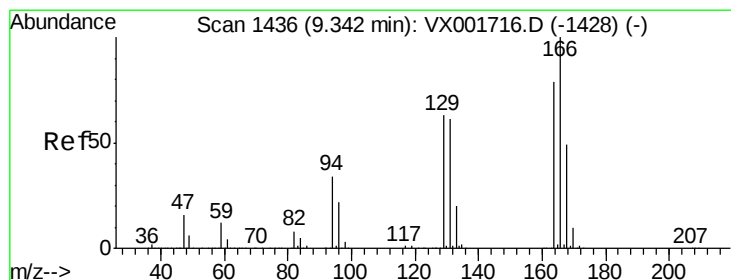
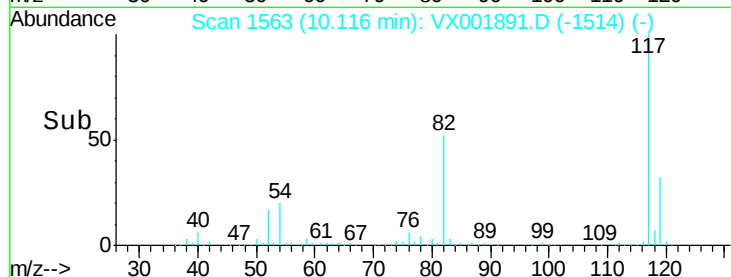
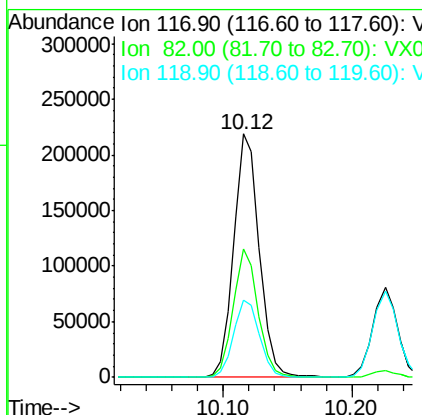
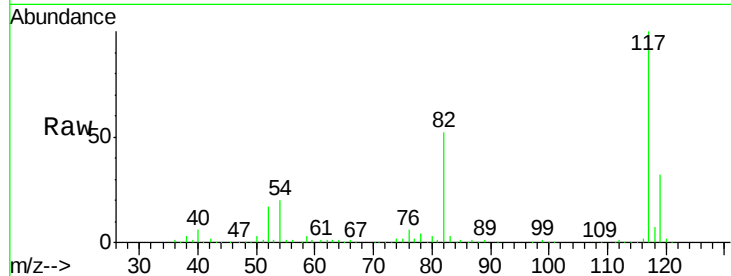
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.4	62.2
119	31.9	25.6	38.4

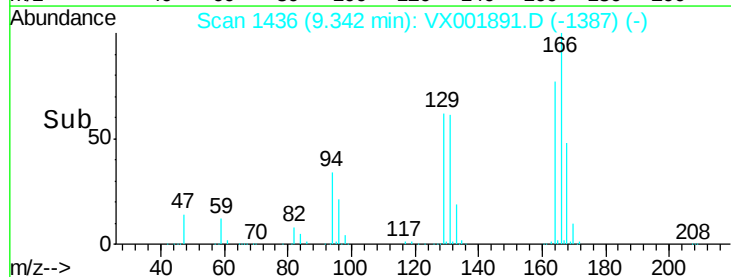
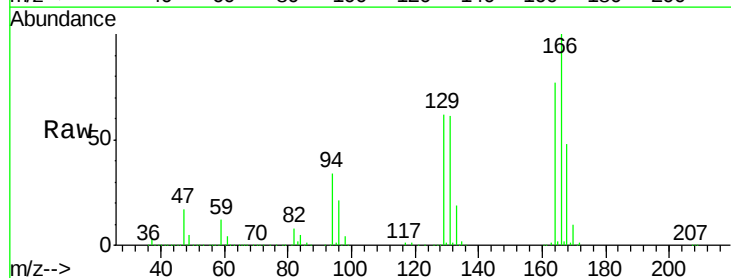
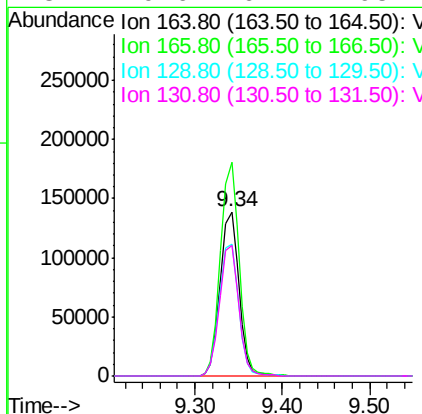
Manual Integrations
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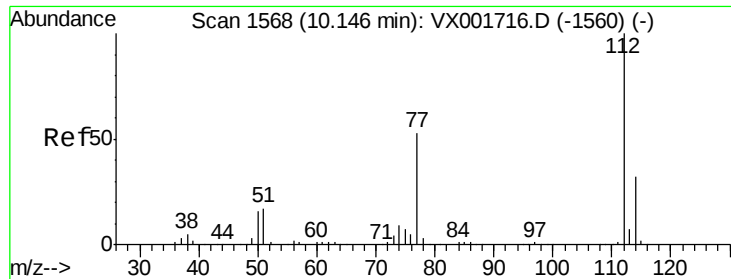
MMDadoda
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#64
Tetrachloroethene
Concen: 52.52 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.8	152.8
129	80.6	63.8	95.6
131	79.6	62.2	93.2





#65

Chlorobenzene

Concen: 51.94 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 432564

Ion Ratio Lower Upper

112 100

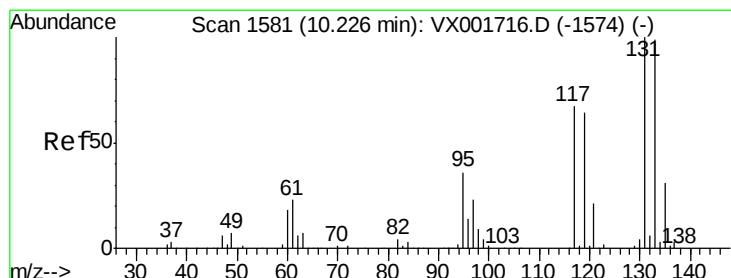
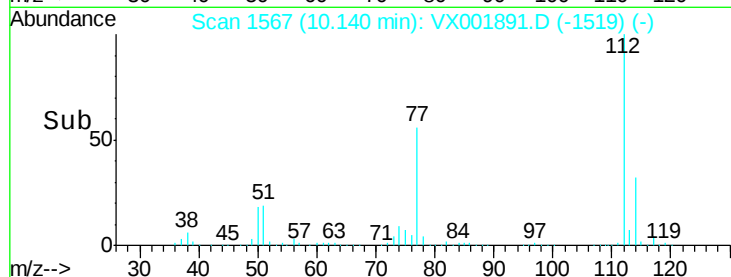
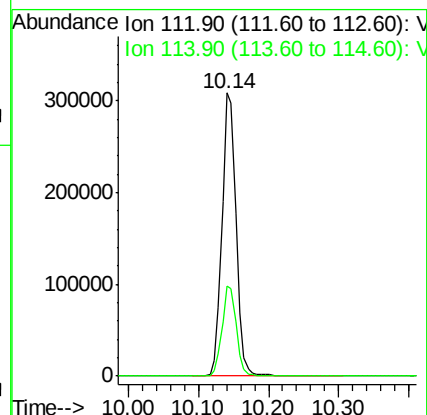
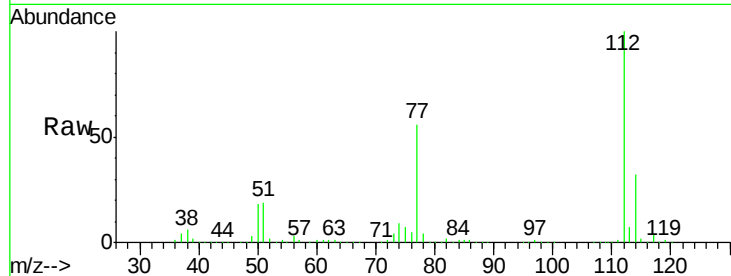
114 31.8 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 55.65 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

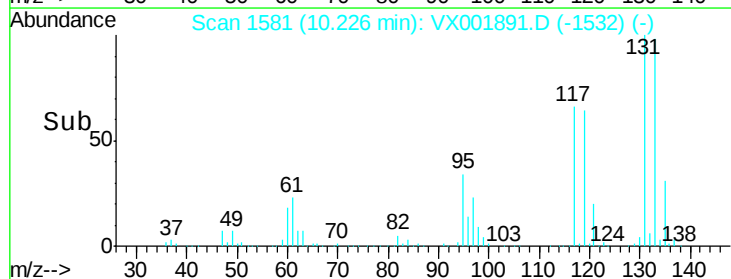
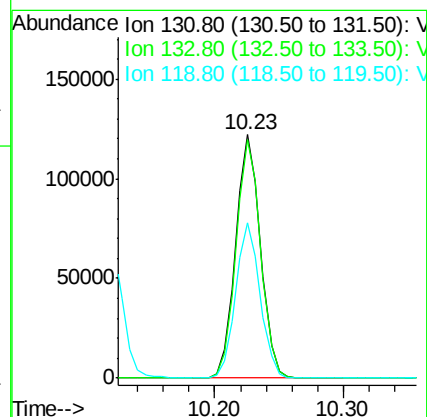
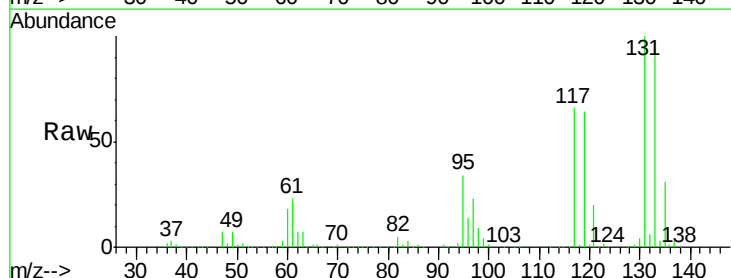
Tgt Ion:131 Resp: 163671

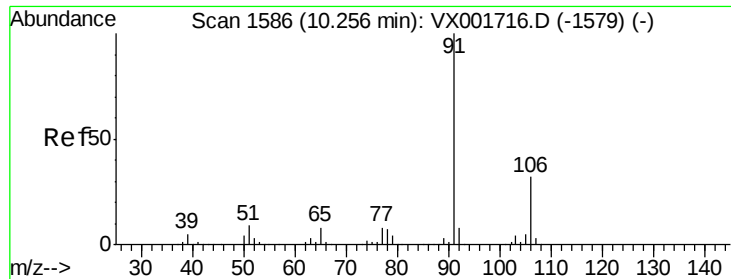
Ion Ratio Lower Upper

131 100

133 97.6 48.5 145.6

119 63.4 31.9 95.5





#67

Ethyl Benzene

Concen: 53.86 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 716762

Ion Ratio Lower Upper

91 100

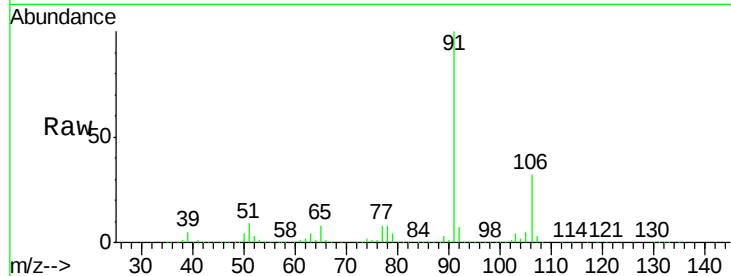
106 31.8 25.7 38.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX001716.D (-1579) (-)

Ion 106.00 (105.70 to 106.70): VX001716.D (-1579) (-)

800000

600000

400000

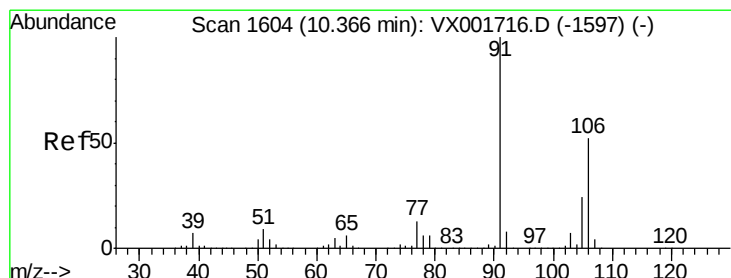
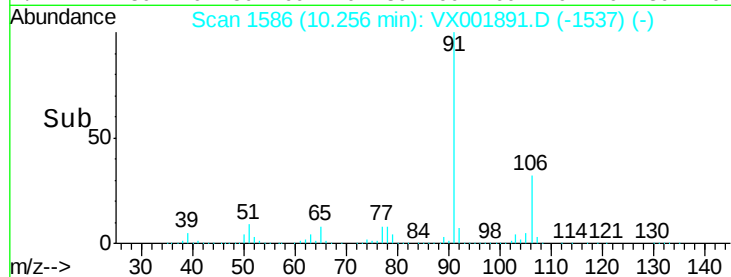
200000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 107.89 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001891.D

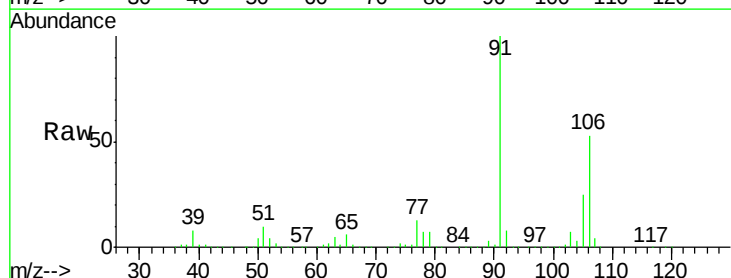
Acq: 22 May 2018 13:54

Tgt Ion: 106 Resp: 566542

Ion Ratio Lower Upper

106 100

91 196.5 155.4 233.2



Abundance Ion 106.00 (105.70 to 106.70): VX001716.D (-1597) (-)

Ion 91.00 (90.70 to 91.70): VX001716.D (-1597) (-)

800000

600000

400000

200000

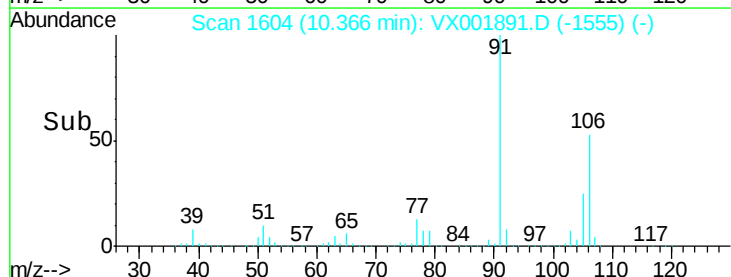
0

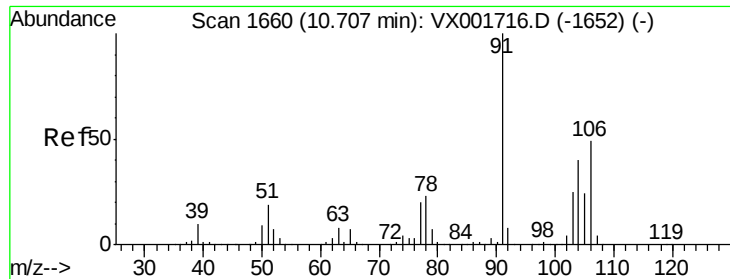
10.30

10.40

10.50

Time-->





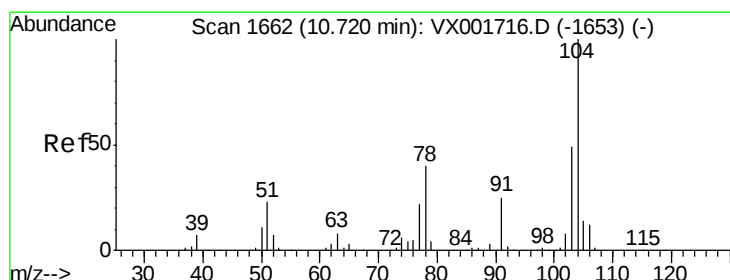
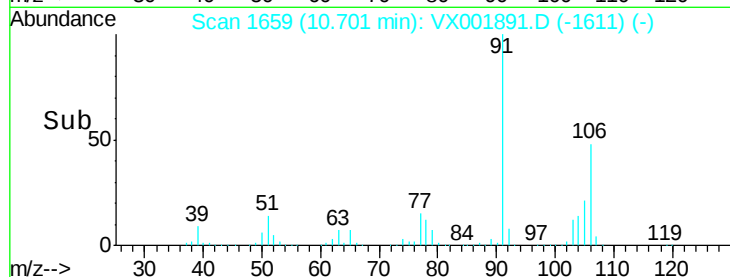
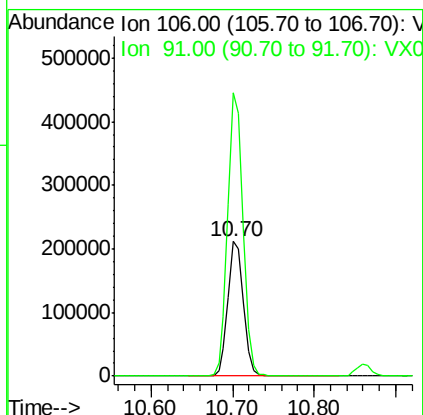
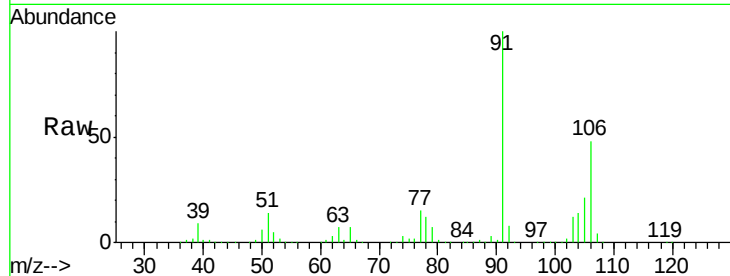
#69
o-Xylene
Concen: 54.91 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 276111
Ion Ratio Lower Upper
106 100
91 208.4 103.4 310.2

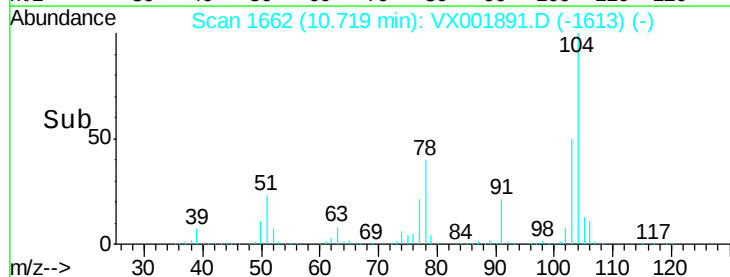
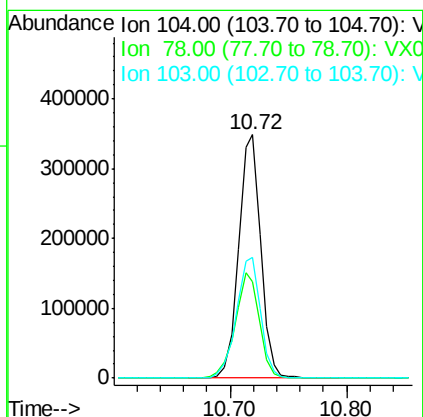
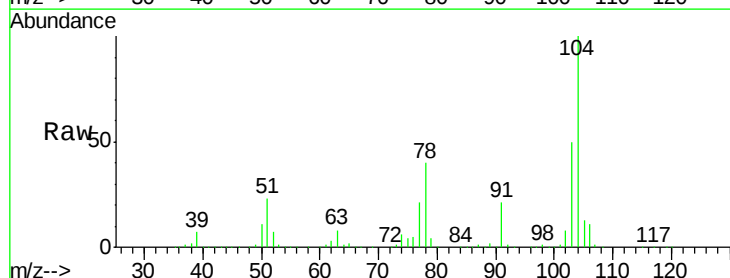
Manual Integrations
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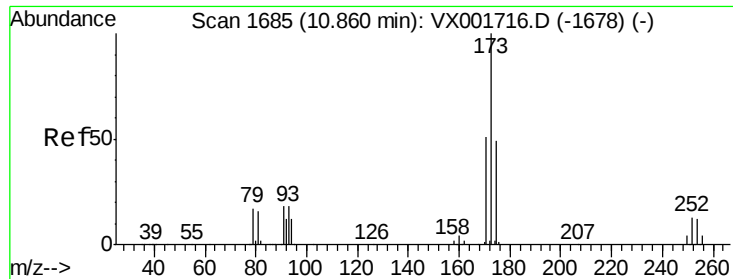
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#70
Styrene
Concen: 55.52 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion:104 Resp: 460481
Ion Ratio Lower Upper
104 100
78 46.9 37.3 55.9
103 54.5 43.7 65.5





#71

Bromoform

Concen: 51.17 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

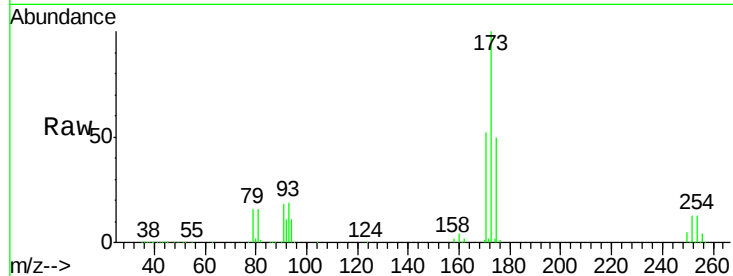
ClientSampleId :

VSTDCCC050

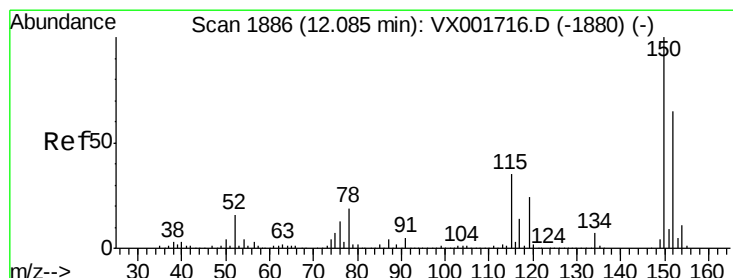
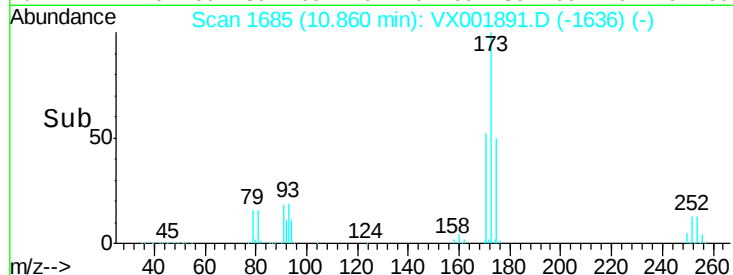
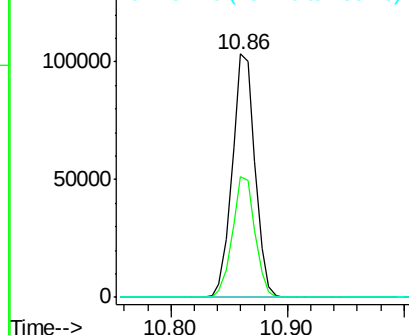
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.3	72.8
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

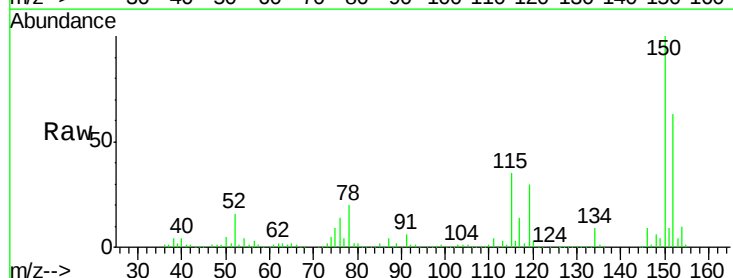
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

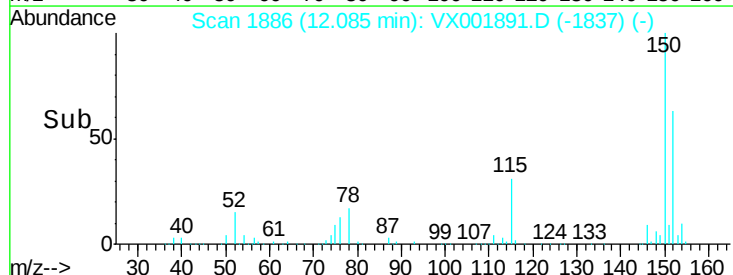
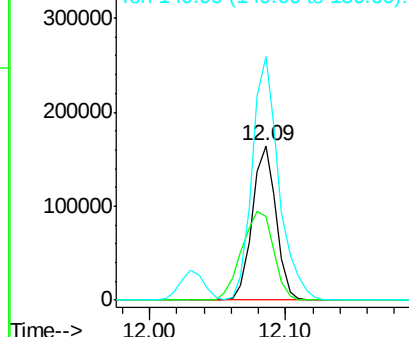
Lab File: VX001891.D

Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.6	37.4	112.2
150	176.4	0.0	344.8



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





#73

Isopropylbenzene

Concen: 56.35 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 747132

Ion Ratio Lower Upper

105 100

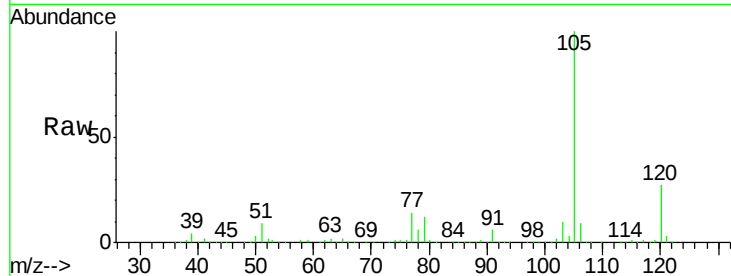
120 27.4 13.8 41.3

Manual Integrations

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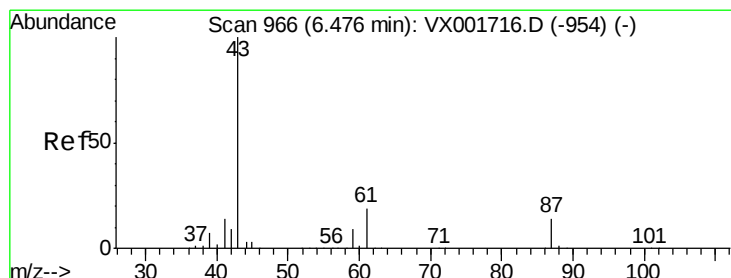
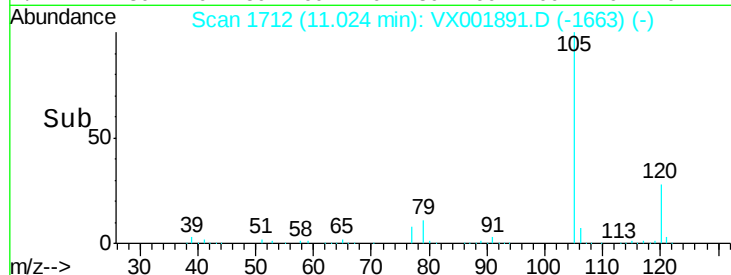
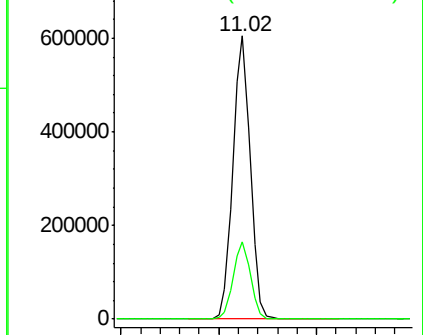
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.93 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Tgt Ion: 43 Resp: 361901

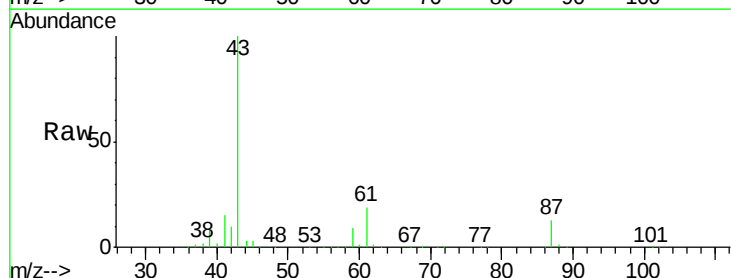
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 19.6 15.8 23.8

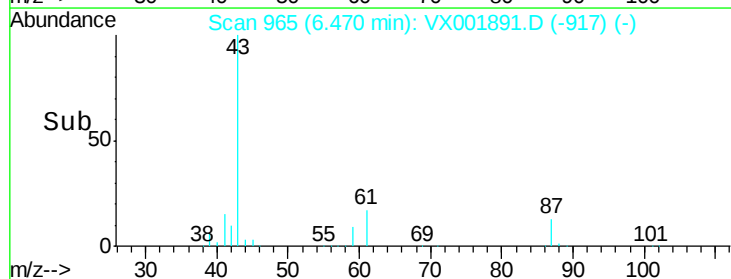
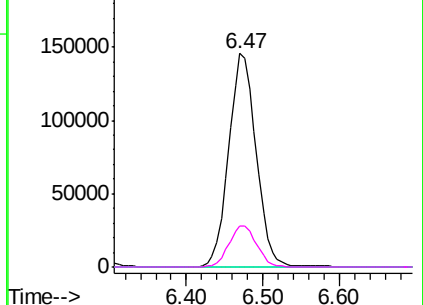


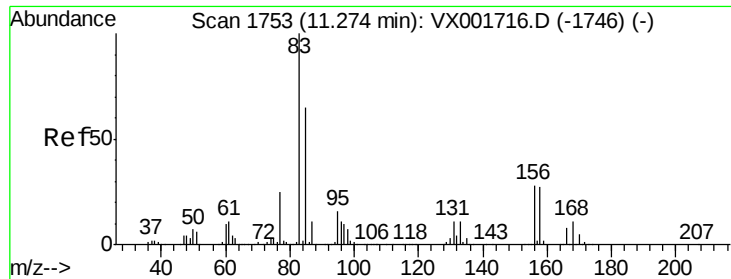
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.10 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

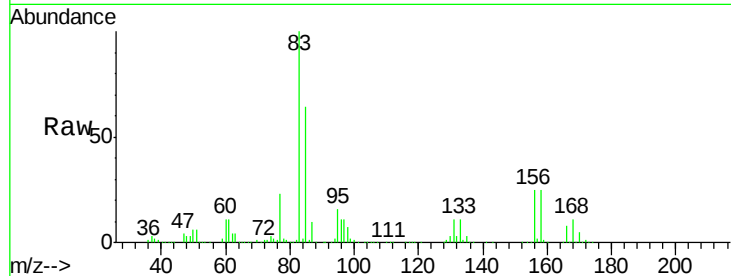
ClientSampleId :

VSTDCCC050

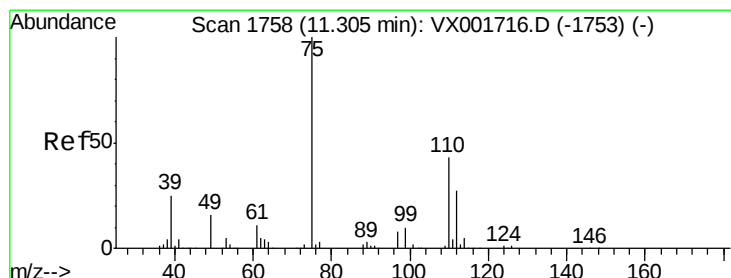
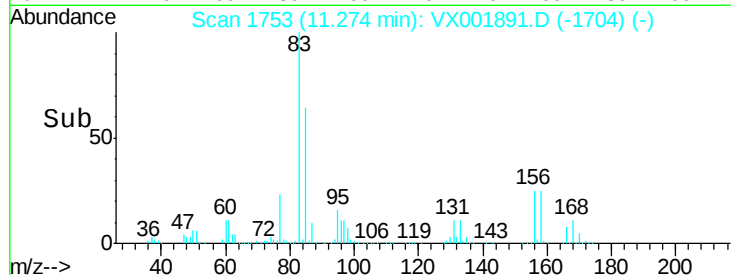
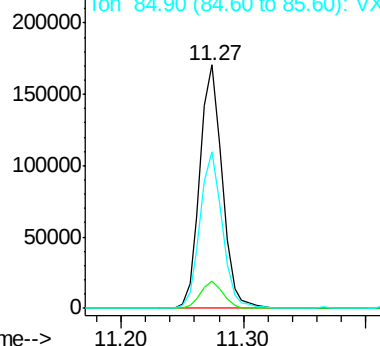
Tot Ion:	83	Resp:	215184
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.0
85	64.0	32.7	98.1

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX001891.D (-1704) (-)



#76

1,2,3-Trichloropropane

Concen: 55.92 ug/l m

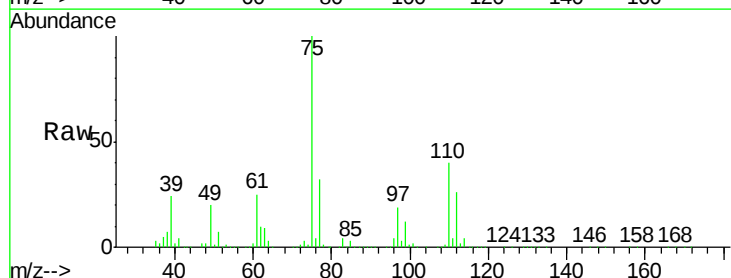
RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

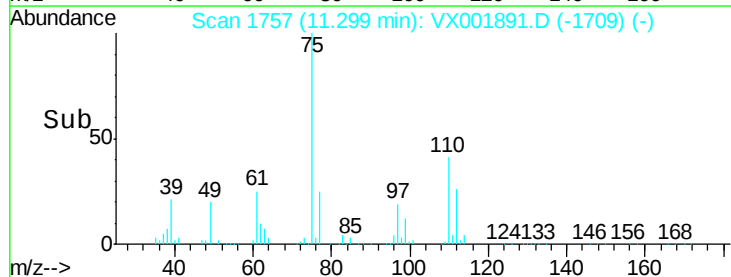
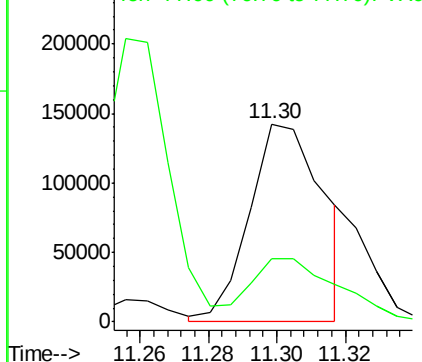
Lab File: VX001891.D

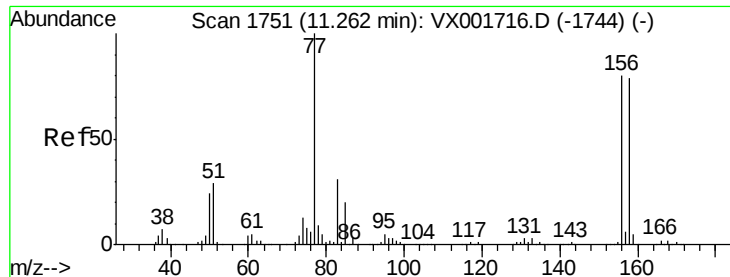
Acq: 22 May 2018 13:54

Tgt Ion:	75	Resp:	214105
Ion Ratio	Lower	Upper	
75	100		
77	39.1	18.9	56.7



Abundance Ion 74.90 (74.60 to 75.60): VX001891.D (-1709) (-)





#77

Bromobenzene

Concen: 54.25 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 211370

Ion Ratio Lower Upper

156 100

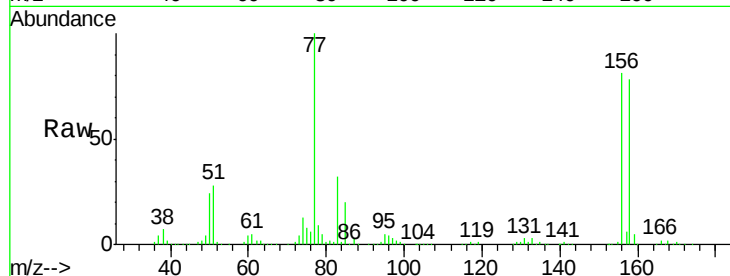
77 129.4 65.3 196.0

158 96.7 49.1 147.3

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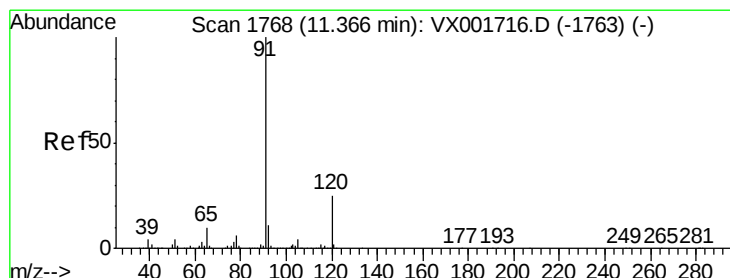
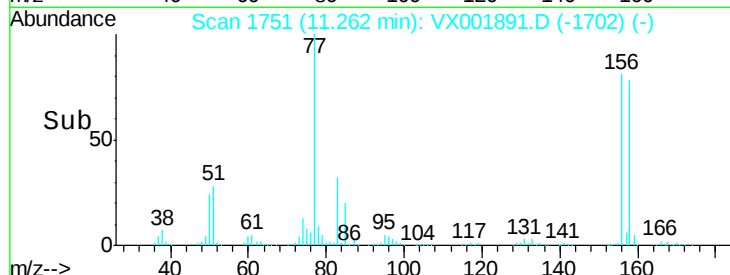
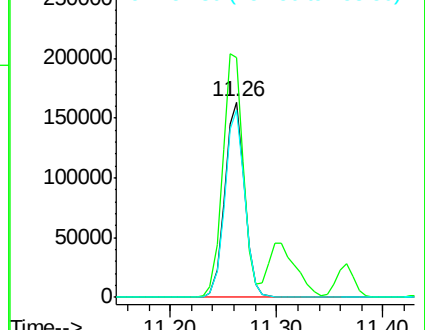
5/24/2018 11:47:43 AM



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: 55.70 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001891.D

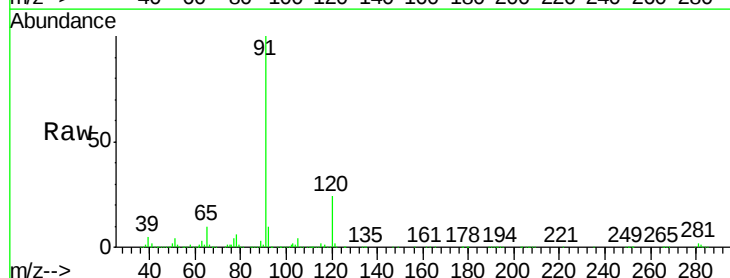
Acq: 22 May 2018 13:54

Tgt Ion: 91 Resp: 832108

Ion Ratio Lower Upper

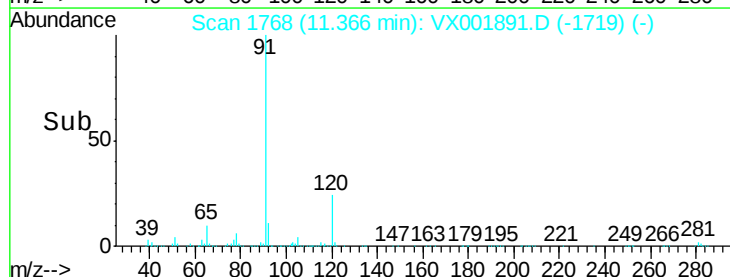
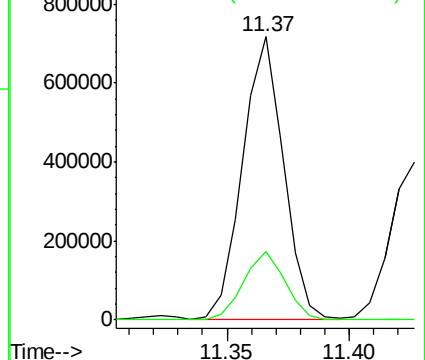
91 100

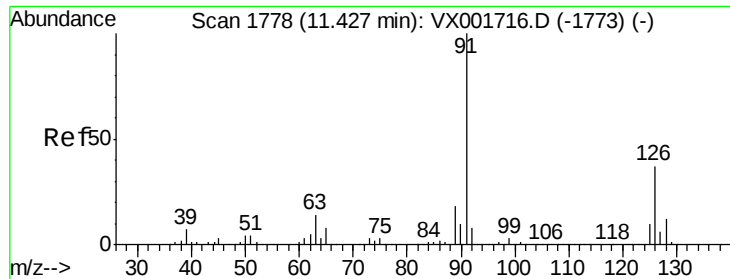
120 24.6 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.27 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 493798

Ion Ratio Lower Upper

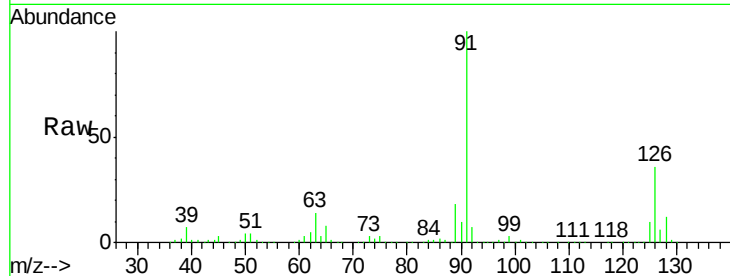
91 100

126 36.8 18.4 55.4

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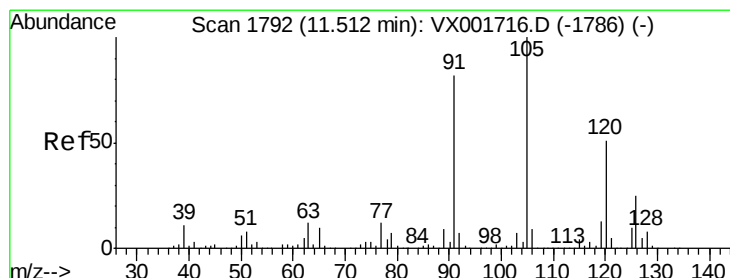
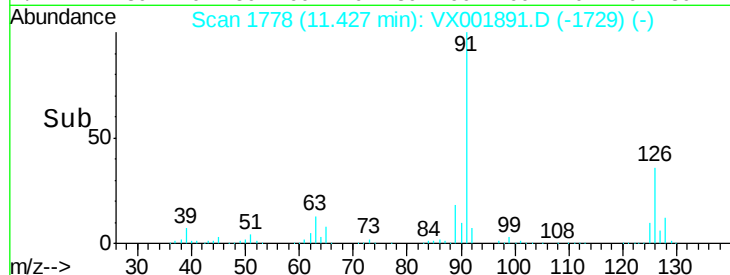
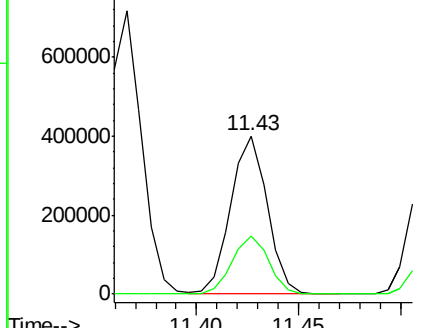
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Abundance Ion 91.00 (90.70 to 91.70): VX001716.D (-1773) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 57.32 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001891.D

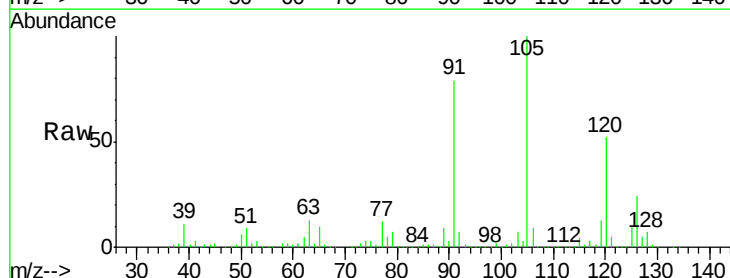
Acq: 22 May 2018 13:54

Tgt Ion: 105 Resp: 623491

Ion Ratio Lower Upper

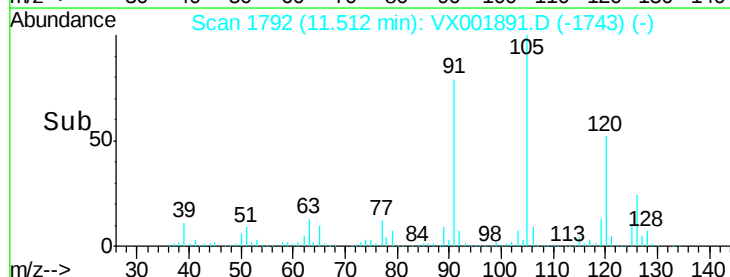
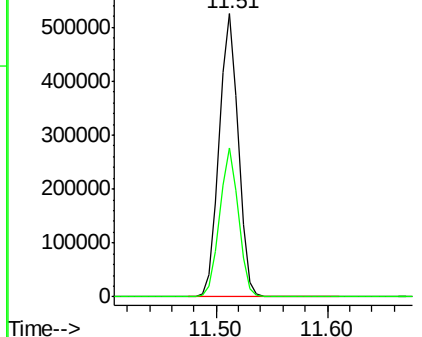
105 100

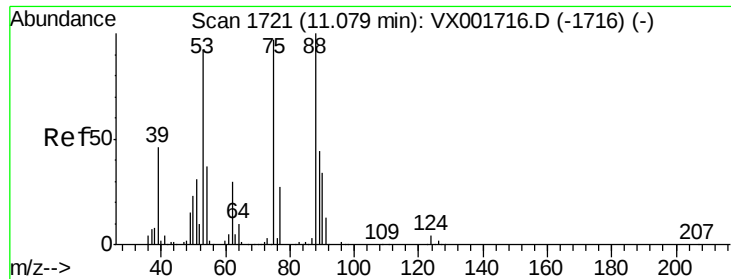
120 51.6 25.7 77.0



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 48.65 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 62376

Ion Ratio Lower Upper

75 100

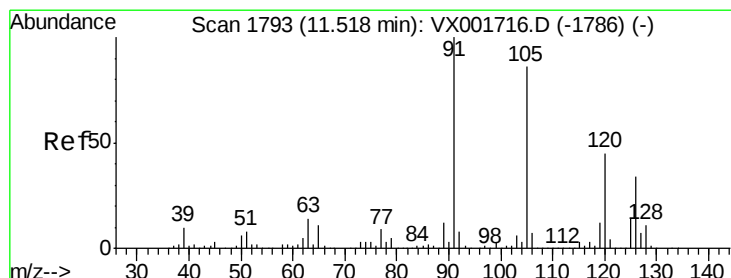
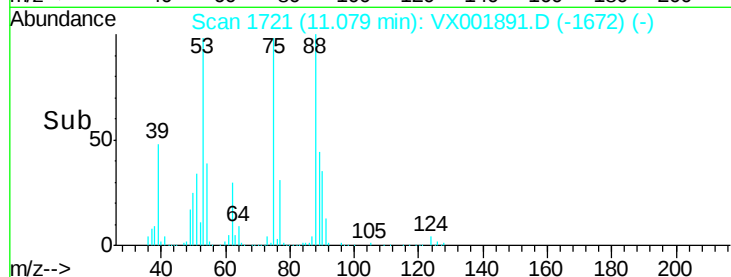
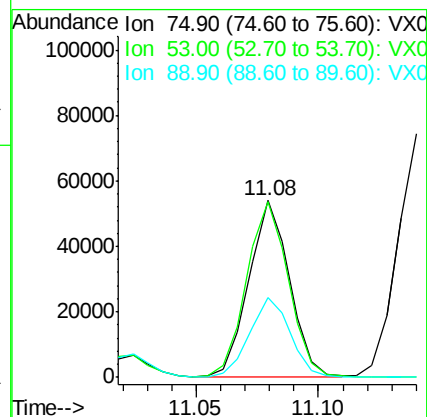
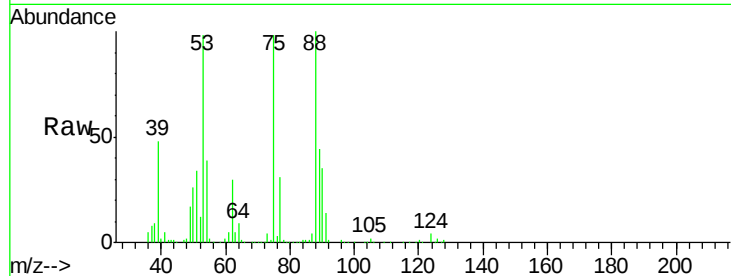
53 102.3 79.4 119.2

89 45.6 38.8 58.2

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#82

4-Chlorotoluene

Concen: 54.15 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001891.D

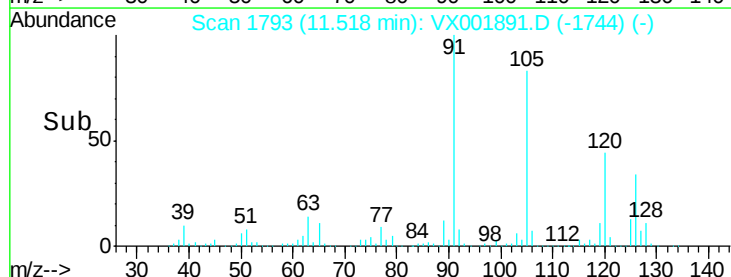
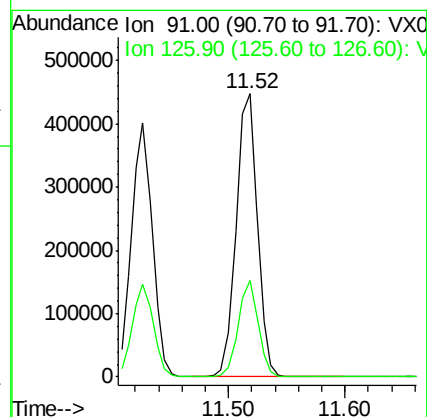
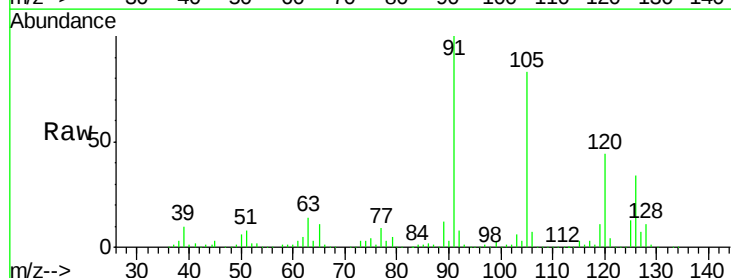
Acq: 22 May 2018 13:54

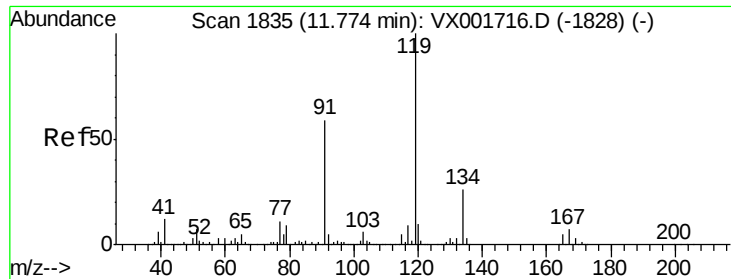
Tgt Ion: 91 Resp: 569952

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.1





#83

tert-Butylbenzene

Concen: 57.48 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

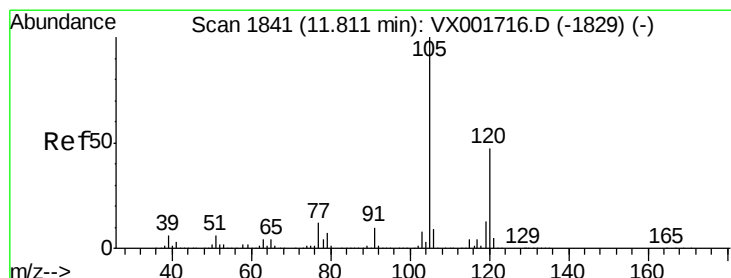
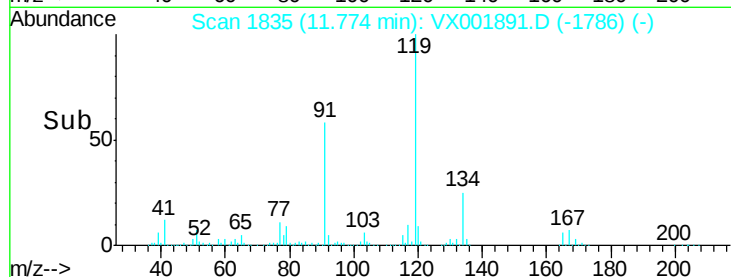
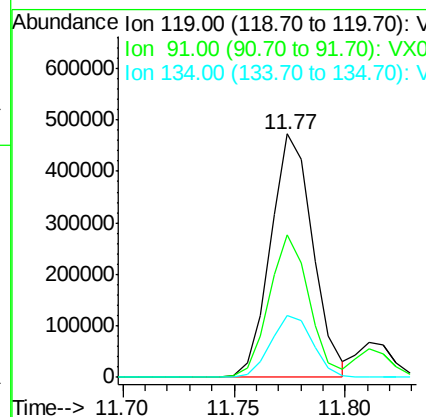
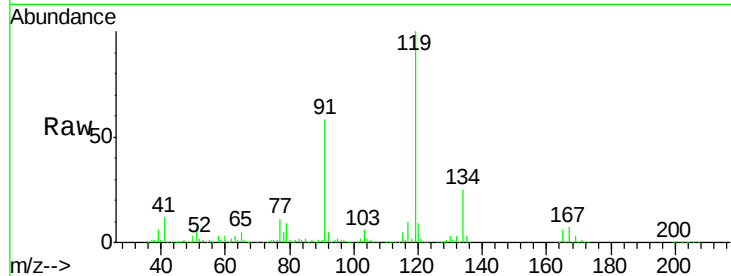
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.6	27.7	83.0
134	25.2	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 57.08 ug/l

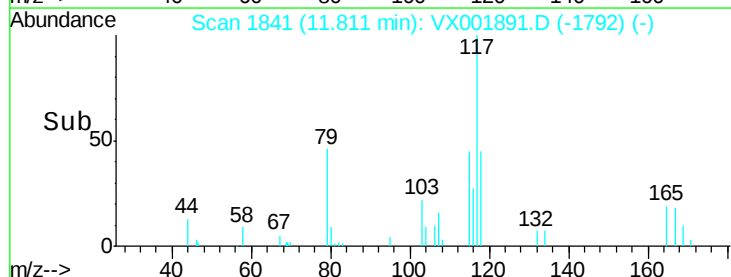
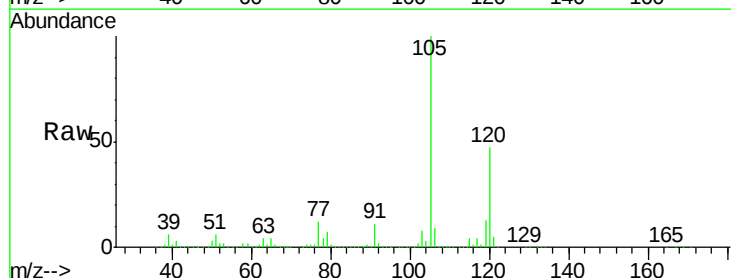
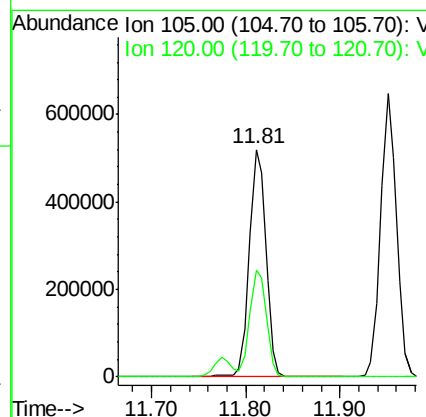
RT: 11.81 min Scan# 1841

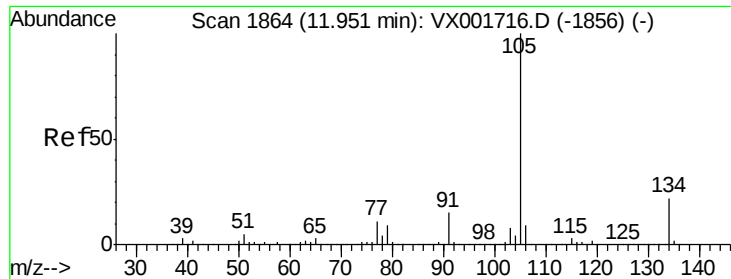
Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5





#85

sec-Butylbenzene

Concen: 56.88 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 760030

Ion Ratio Lower Upper

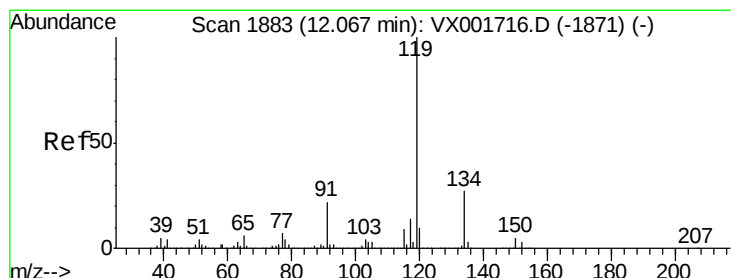
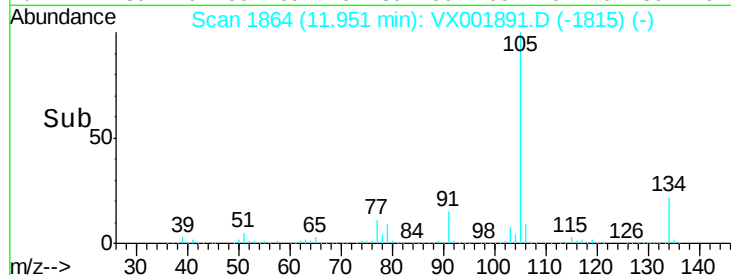
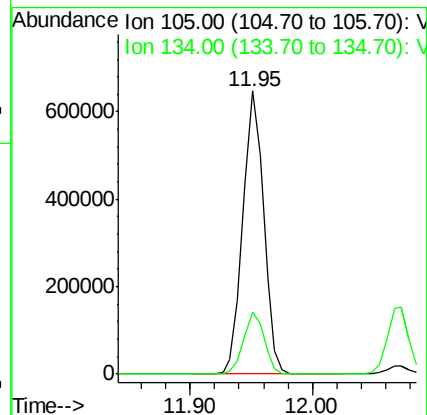
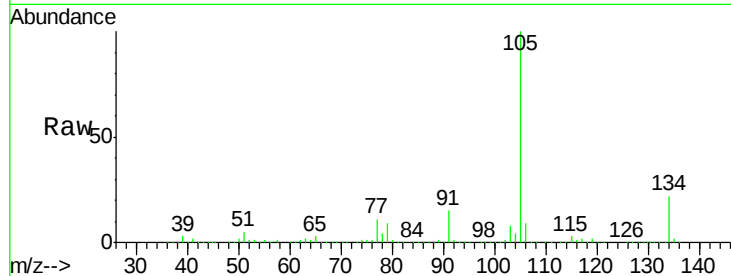
105 100

134 21.8 10.9 32.6

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#86

p-Isopropyltoluene

Concen: 56.77 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

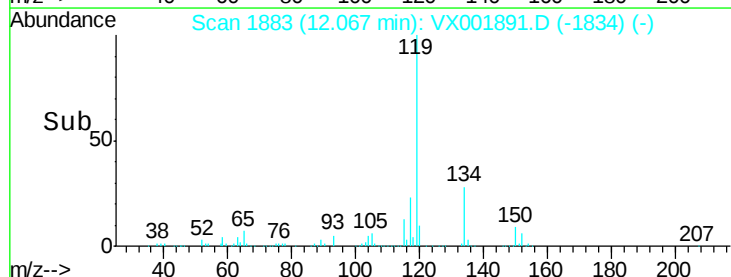
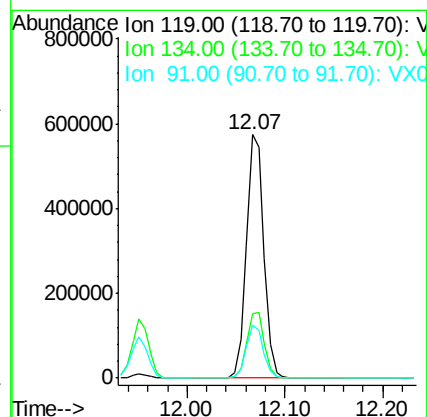
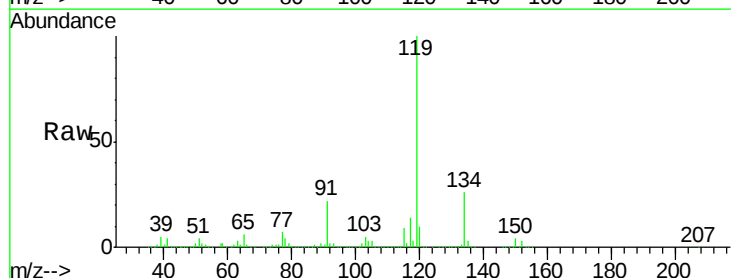
Tgt Ion:119 Resp: 701989

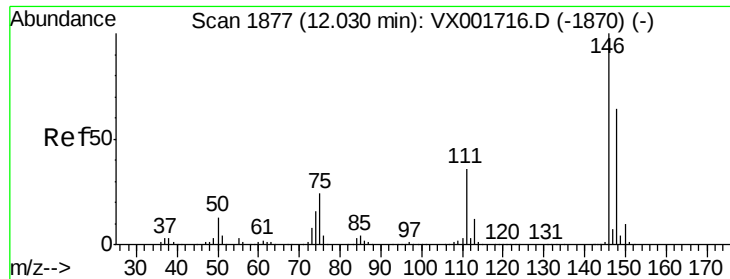
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 21.4 10.7 32.1





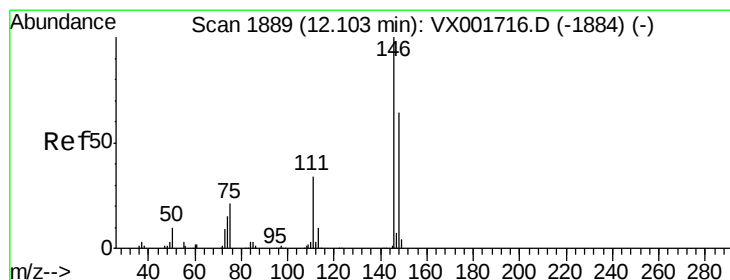
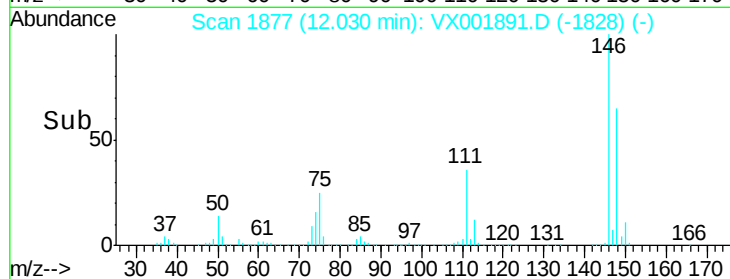
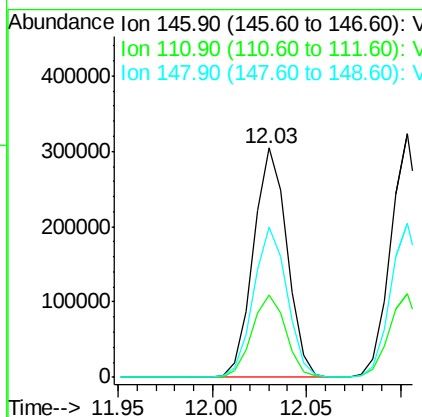
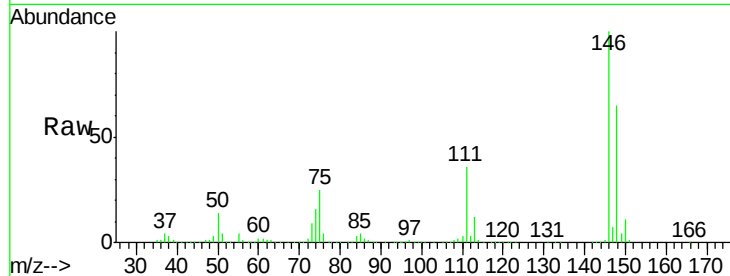
#87
 1,3-Dichlorobenzene
 Concen: 52.41 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.8	53.4
148	65.1	32.1	96.3

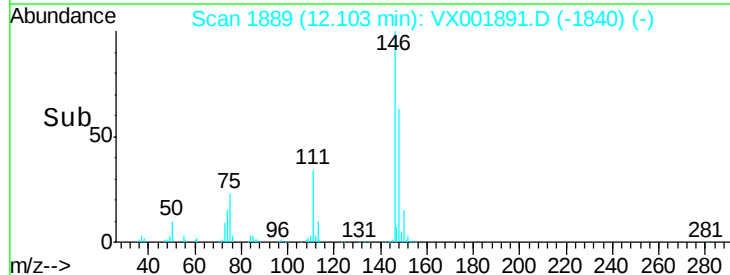
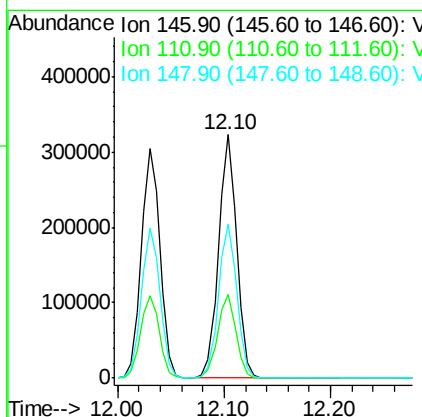
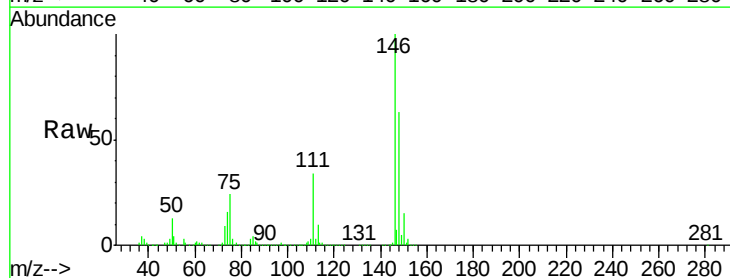
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#88
 1,4-Dichlorobenzene
 Concen: 51.31 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	17.3	52.0
148	64.2	32.3	96.9





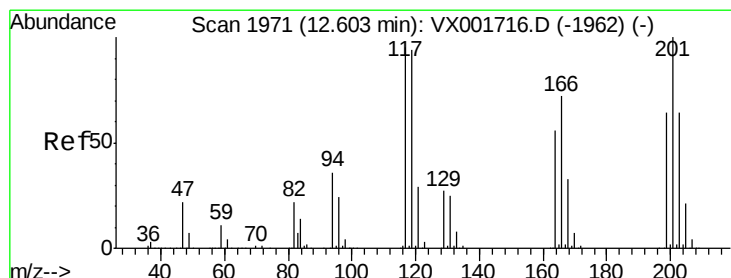
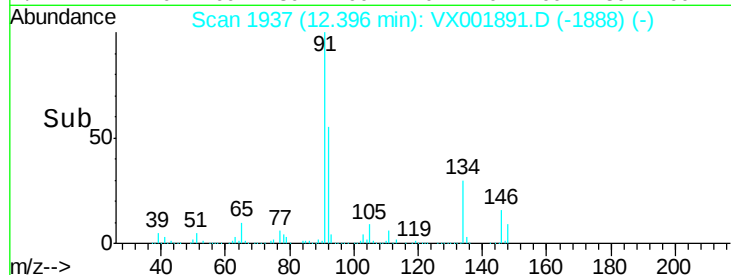
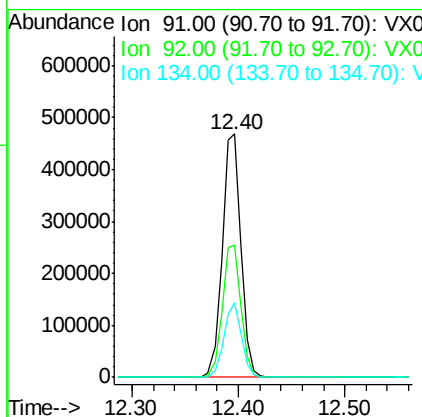
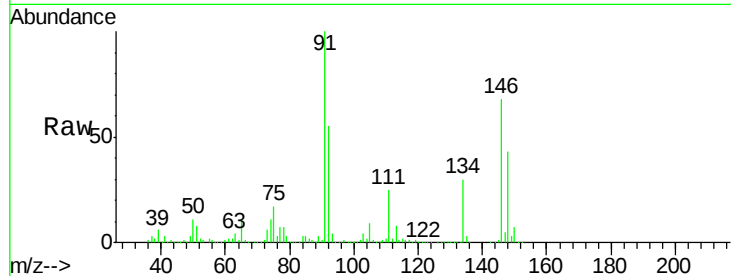
#89
n-Butylbenzene
Concen: 53.43 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.9
134	29.1	14.7	44.1

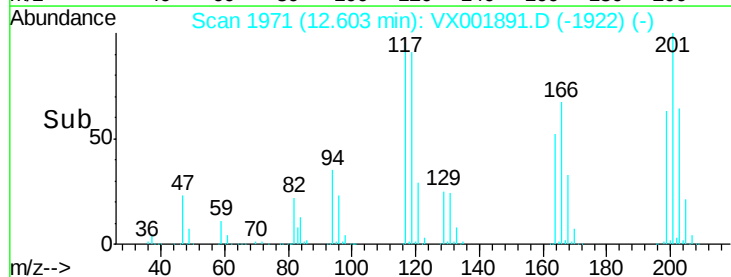
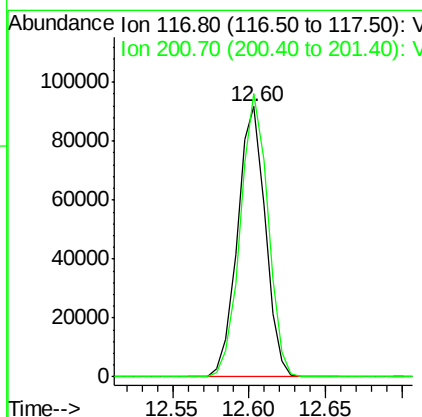
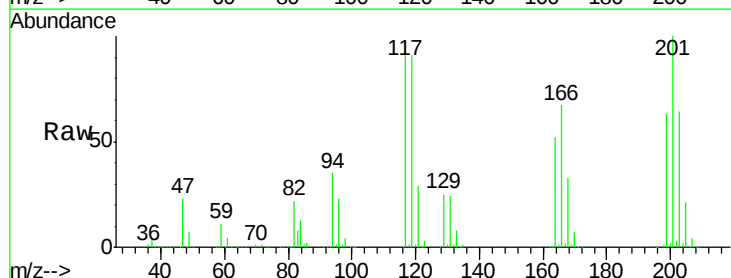
Manual Integrations
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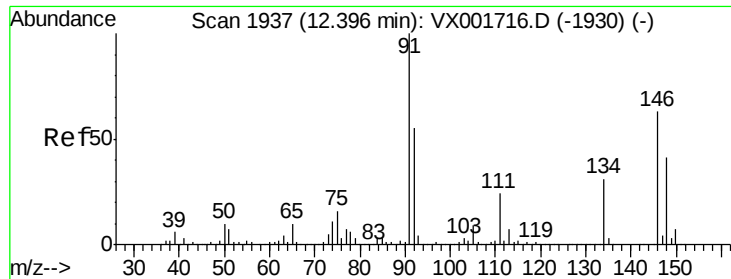
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#90
Hexachloroethane
Concen: 60.08 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001891.D
Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.8	51.9	155.7





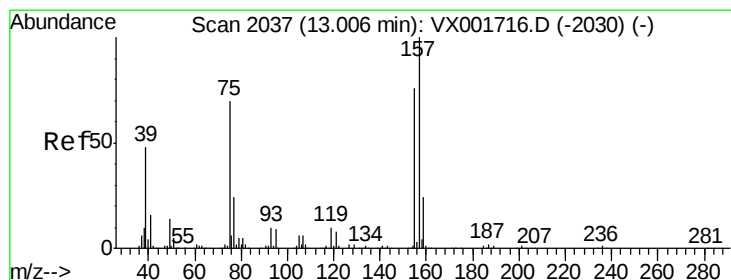
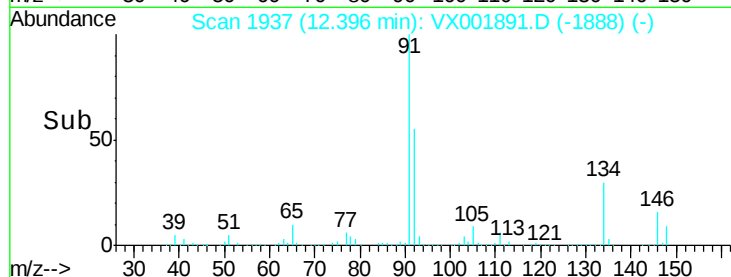
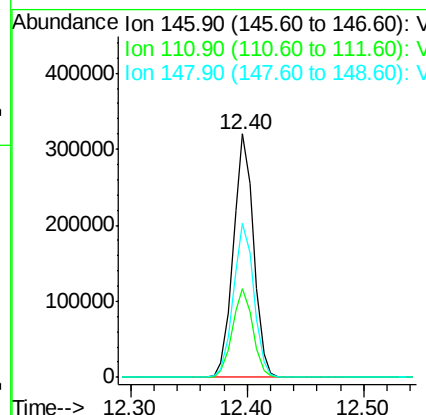
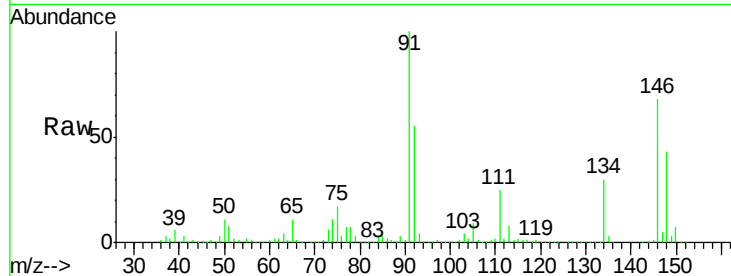
#91
 1,2-Dichlorobenzene
 Concen: 53.81 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	386321		
111	36.7	18.6	56.0	
148	63.9	32.4	97.0	

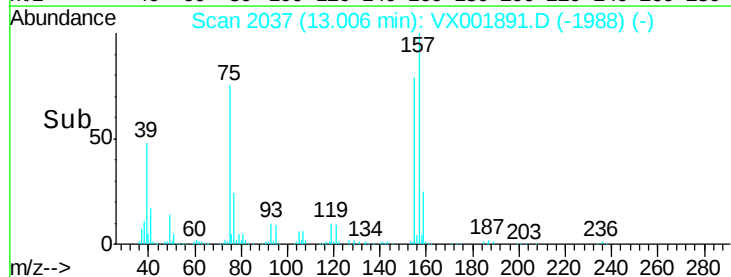
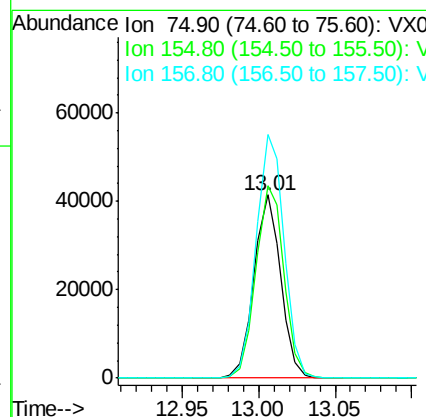
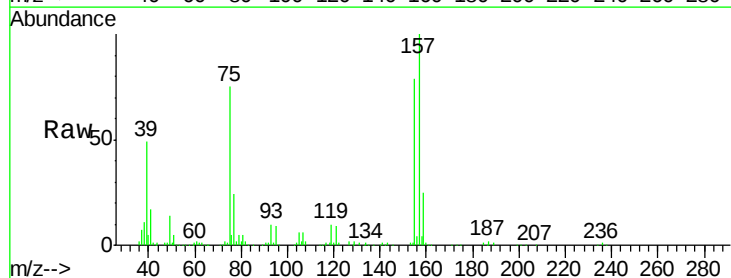
Manual Integrations
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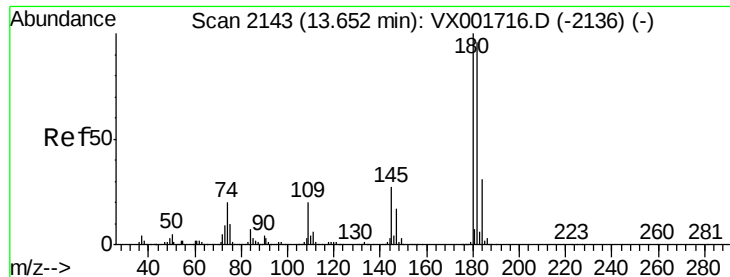
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 5/24/2018 11:47:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.36 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50391		
155	109.9	53.9	161.8	
157	138.5	71.0	213.2	





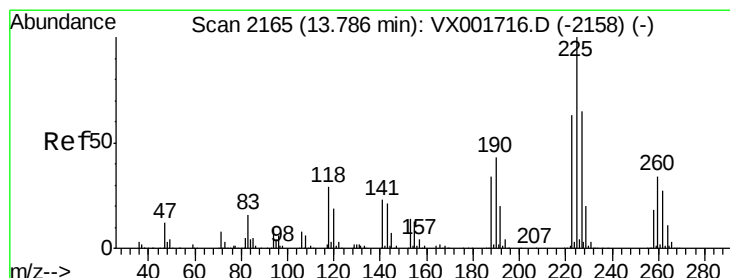
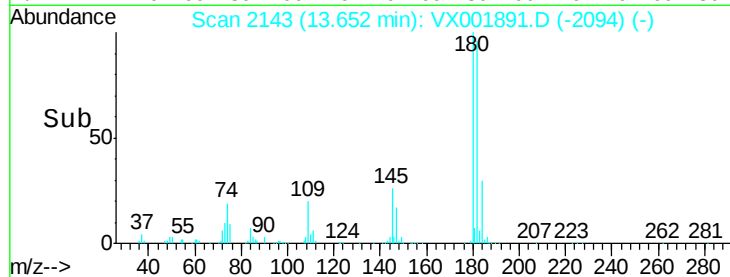
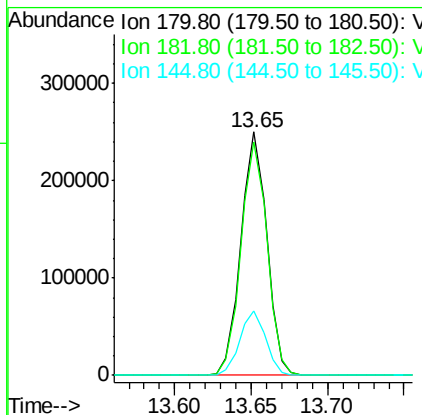
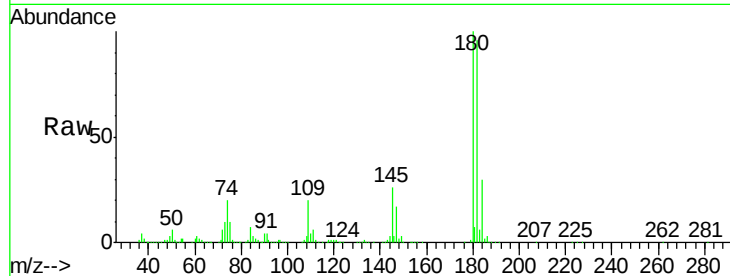
#93
 1,2,4-Trichlorobenzene
 Concen: 51.42 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	294264		
182	96.4	47.6	142.9	
145	26.6	13.4	40.1	

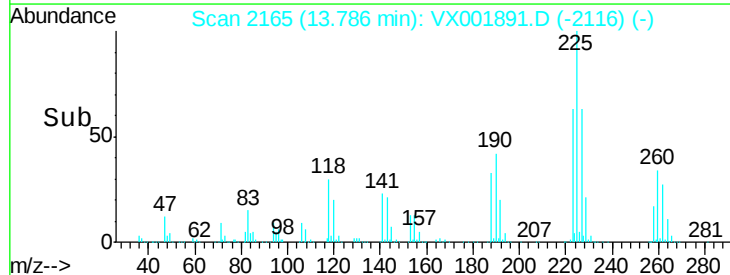
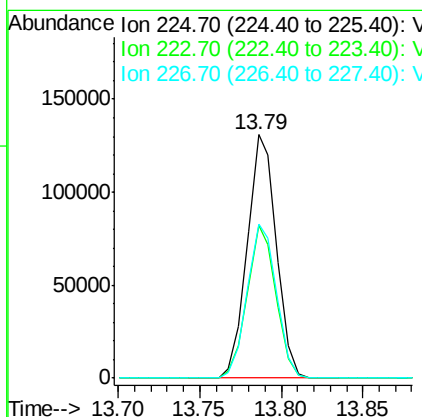
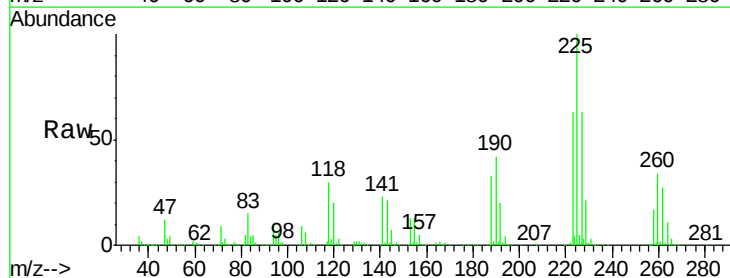
Manual Integrations
 APPROVED

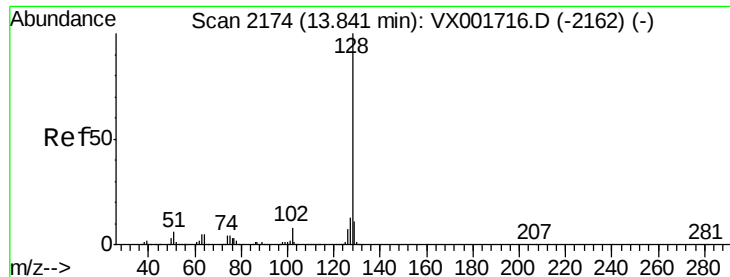
MMDadoda
 5/24/2018 11:47:43 AM



#94
 Hexachlorobutadiene
 Concen: 53.17 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001891.D
 Acq: 22 May 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163340		
223	61.6	31.1	93.5	
227	63.7	31.9	95.5	





#95

Naphthalene

Concen: 55.13 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Instrument :

MSVOA_X

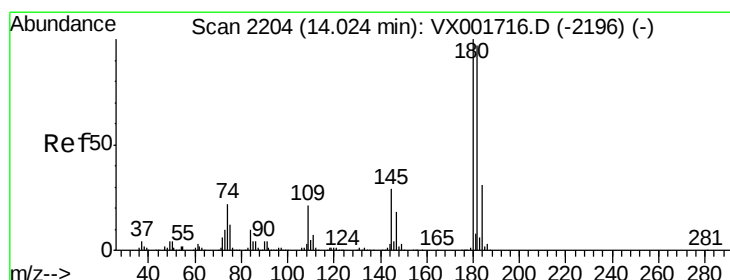
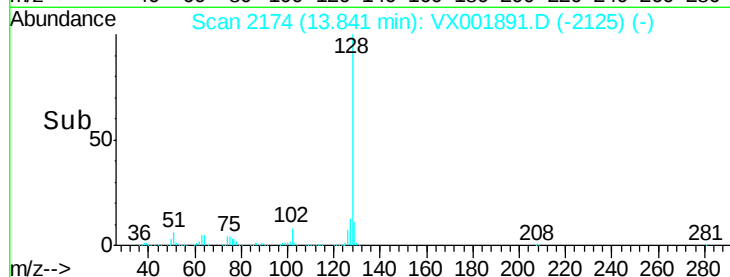
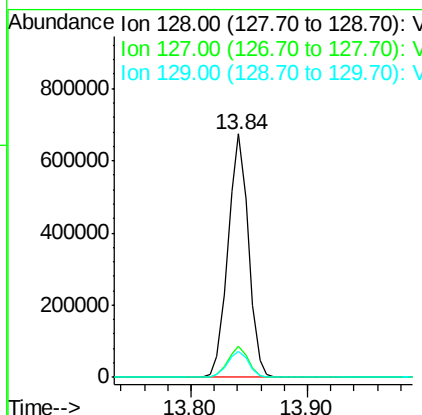
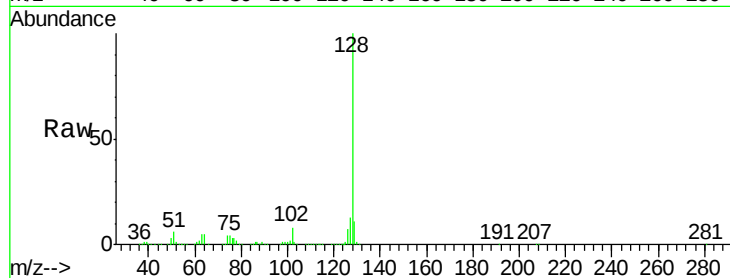
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	819968
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.97 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001891.D

Acq: 22 May 2018 13:54

Tgt Ion:	180	Resp:	305226
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.7
145	28.1	14.2	42.8

