

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001716.D
 Acq On : 14 May 2018 18:16
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:07 AM

Quant Time: May 15 01:24:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	425864	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	252748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	208360	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
35) Dibromofluoromethane	5.51	113	175735	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
50) Toluene-d8	8.72	98	660241	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.14	95	231889	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	161015	38.53	ug/l	100
3) Chloromethane	1.32	50	165398	39.91	ug/l	100
4) Vinyl Chloride	1.40	62	184039	42.28	ug/l	100
5) Bromomethane	1.64	94	79748	31.50	ug/l	100
6) Chloroethane	1.72	64	118644	41.52	ug/l	100
7) Trichlorofluoromethane	1.93	101	269382	41.38	ug/l	100
8) Diethyl Ether	2.19	74	108646	42.28	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	158172	41.33	ug/l	100
10) Methyl Iodide	2.51	142	156794	30.52	ug/l	100
11) Tert butyl alcohol	3.08	59	182548	193.92	ug/l	100
12) 1,1-Dichloroethene	2.37	96	152664	43.24	ug/l	100
13) Acrolein	2.30	56	126374	429.91	ug/l	100
14) Allyl chloride	2.73	41	290072	43.99	ug/l	100
15) Acrylonitrile	3.15	53	470747	215.54	ug/l	100
16) Acetone	2.45	43	399549	193.92	ug/l	100
17) Carbon Disulfide	2.57	76	394850	43.99	ug/l	100
18) Methyl Acetate	2.78	43	248912	45.05	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	529981	43.10	ug/l	100
20) Methylene Chloride	2.86	84	170010	41.24	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	167655	42.46	ug/l	100
22) Diisopropyl ether	3.88	45	552151	44.59	ug/l	100
23) Vinyl Acetate	3.83	43	1887134	188.82	ug/l	100
24) 1,1-Dichloroethane	3.70	63	297701	43.29	ug/l	100
25) 2-Butanone	4.71	43	647867	215.18	ug/l	100
26) 2,2-Dichloropropane	4.59	77	246337	46.13	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	194216	45.68	ug/l	100
28) Bromochloromethane	5.03	49	145644	48.13	ug/l	100
29) Tetrahydrofuran	5.17	42	423927	219.43	ug/l	100
30) Chloroform	5.22	83	320024	44.94	ug/l	100
31) Cyclohexane	5.58	56	276493	46.40	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	285448	45.93	ug/l	100
36) 1,1-Dichloropropene	5.81	75	239960	44.96	ug/l	100
37) Ethyl Acetate	4.87	43	251215	43.25	ug/l	100
38) Carbon Tetrachloride	5.79	117	256920	45.42	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	291296	46.16	ug/l	100
40) Benzene	6.15	78	713540	45.78	ug/l	100
41) Methacrylonitrile	5.07	41	143358	43.01	ug/l	100
42) 1,2-Dichloroethane	6.20	62	253865	42.80	ug/l	100
43) Isopropyl Acetate	6.48	43	404657	45.34	ug/l	100
44) Trichloroethene	7.22	130	221095	46.16	ug/l	100
45) 1,2-Dichloropropane	7.53	63	175431	45.12	ug/l	100
46) Dibromomethane	7.67	93	122149	44.55	ug/l	100
47) Bromodichloromethane	7.90	83	236890	46.72	ug/l	100
48) Methyl methacrylate	7.79	41	215753	44.54	ug/l	100
49) 1,4-Dioxane	7.76	88	79362	774.86	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	1310355	221.63	ug/l	100
52) Toluene	8.79	92	470850	46.21	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	286202	49.70	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	243495	47.09	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	174609	42.91	ug/l	100
56) Ethyl methacrylate	9.19	69	261529	44.75	ug/l	100
57) 1,3-Dichloropropane	9.38	76	289975	43.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	698316	241.30	ug/l	100
59) 2-Hexanone	9.50	43	935754	209.28	ug/l	100
60) Dibromochloromethane	9.59	129	190737	46.08	ug/l	100
61) 1,2-Dibromoethane	9.68	107	186849	43.88	ug/l	100
64) Tetrachloroethene	9.34	164	242587	46.86	ug/l	100
65) Chlorobenzene	10.15	112	504298	46.25	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	184934	47.56	ug/l	100
67) Ethyl Benzene	10.26	91	835869	46.82	ug/l	100
68) m/p-Xylenes	10.37	106	667881	94.77	ug/l	100
69) o-Xylene	10.71	106	321020	46.99	ug/l	100
70) Styrene	10.72	104	536425	48.24	ug/l	100
71) Bromoform	10.86	173	156779	49.30	ug/l	100
73) Isopropylbenzene	11.02	105	854405	48.94	ug/l	100
74) N-amyl acetate	6.48	43	404657	50.48	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	242487	47.07	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	246688m	48.13	ug/l	
77) Bromobenzene	11.26	156	244565	48.03	ug/l	100
78) n-propylbenzene	11.37	91	955428	50.16	ug/l	100
79) 2-Chlorotoluene	11.43	91	562078	48.13	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	711400	49.03	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	74228	54.91	ug/l	100
82) 4-Chlorotoluene	11.52	91	660885	49.02	ug/l	100
83) tert-Butylbenzene	11.77	119	694701	48.28	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	736776	49.39	ug/l	100
85) sec-Butylbenzene	11.95	105	862052	49.70	ug/l	100
86) p-Isopropyltoluene	12.07	119	792743	49.93	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	441891	48.62	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	447638	48.27	ug/l	100
89) n-Butylbenzene	12.40	91	681083	51.43	ug/l	100
90) Hexachloroethane	12.60	117	126685	52.42	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	440252	47.73	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	56185	49.84	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	358326	52.47	ug/l	100
94) Hexachlorobutadiene	13.79	225	188771	50.57	ug/l	100
95) Naphthalene	13.84	128	980216	52.25	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	357463	51.24	ug/l	100

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

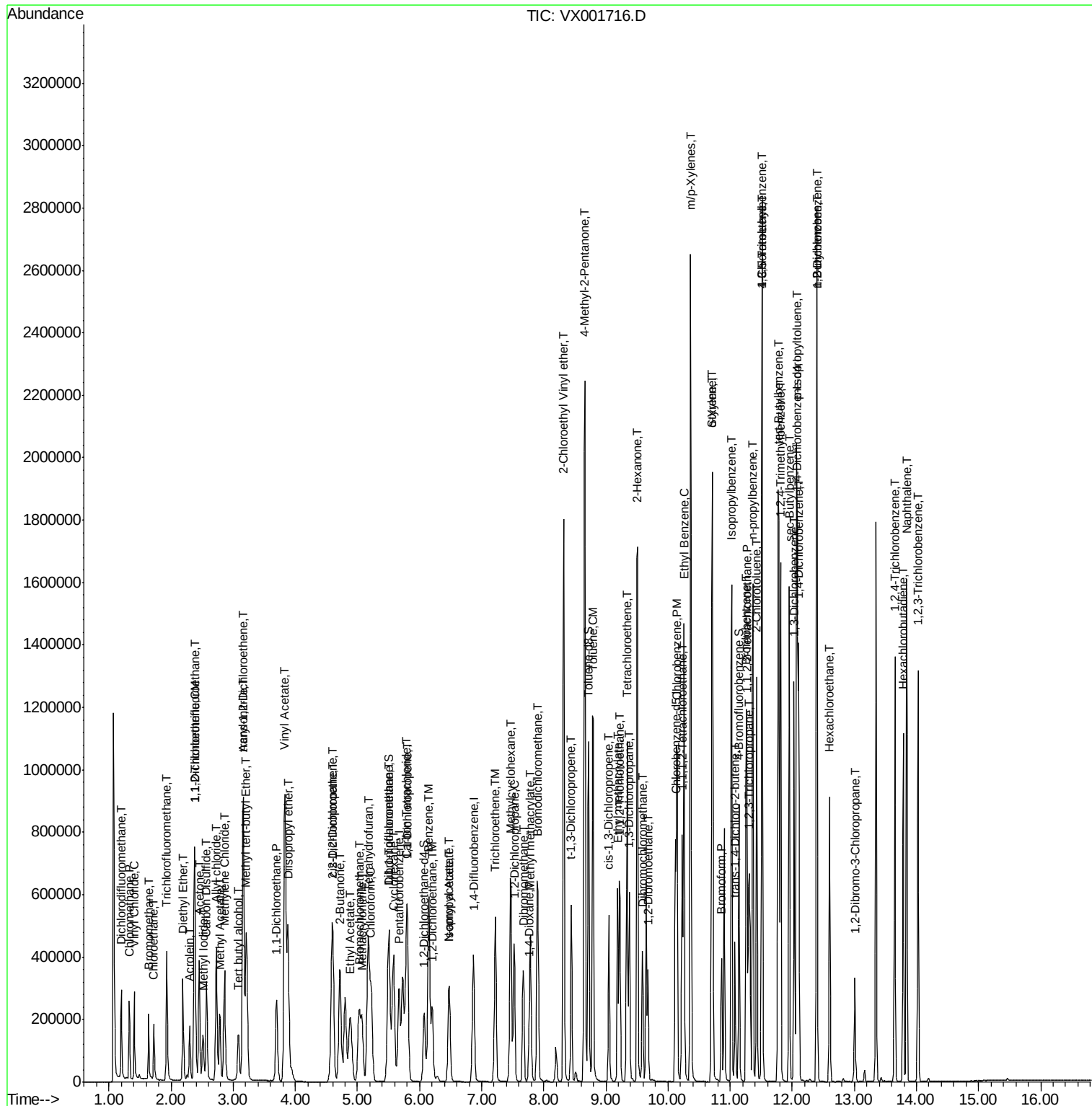
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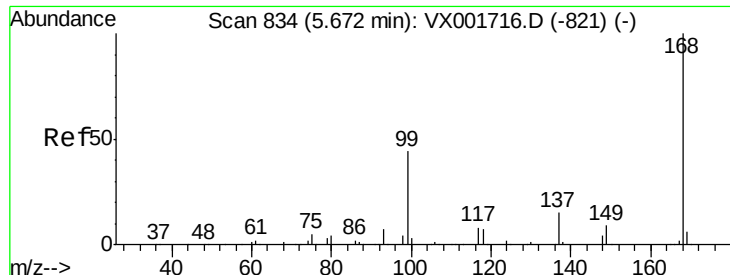
Instrument :
 MSVOA_X
 Client Sample ID :
 VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 325648

Ion Ratio Lower Upper

168 100

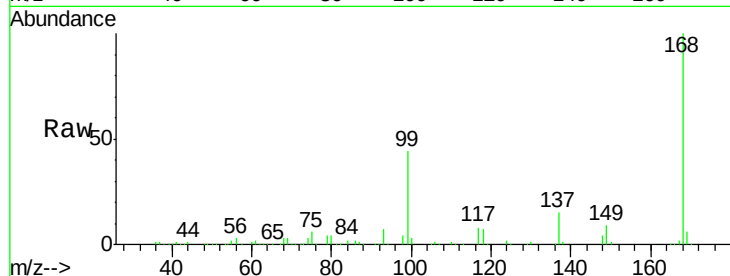
99 43.7 35.0 52.4

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

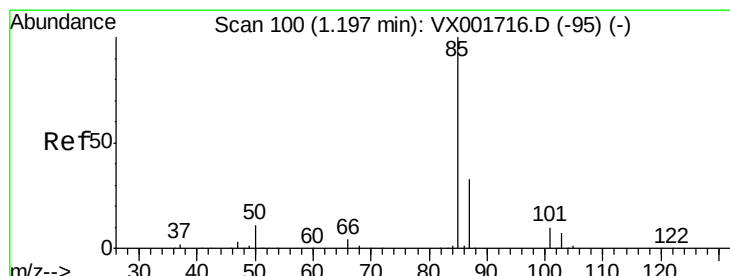
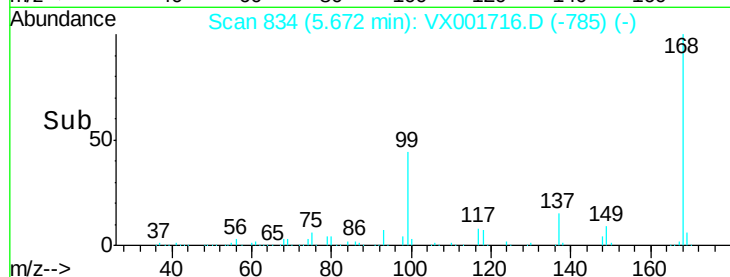
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 38.53 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001716.D

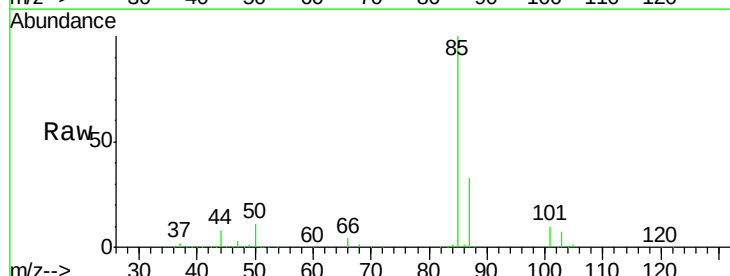
Acq: 14 May 2018 18:16

Tgt Ion: 85 Resp: 161015

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

1.20

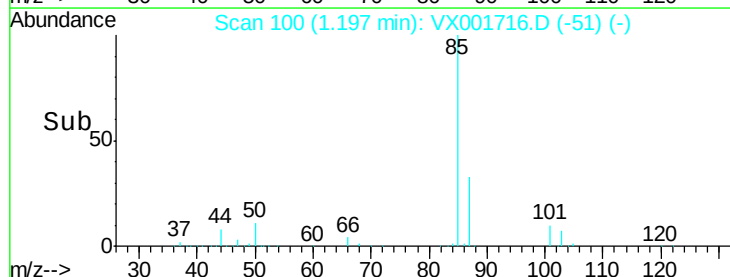
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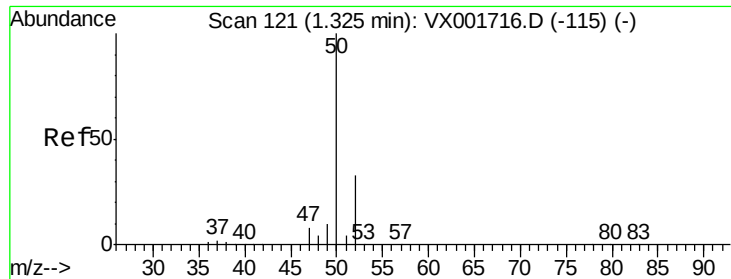
100000

50000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 39.91 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 165398

Ion Ratio Lower Upper

50 100

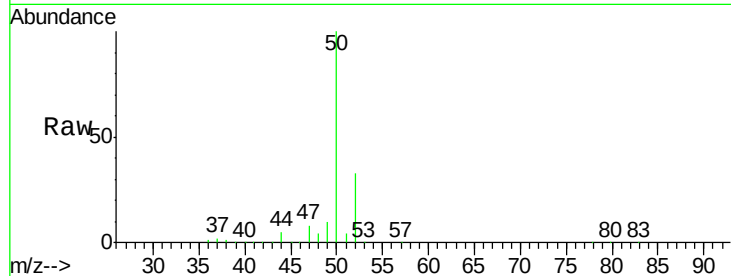
52 32.9 26.3 39.5

Manual Integrations

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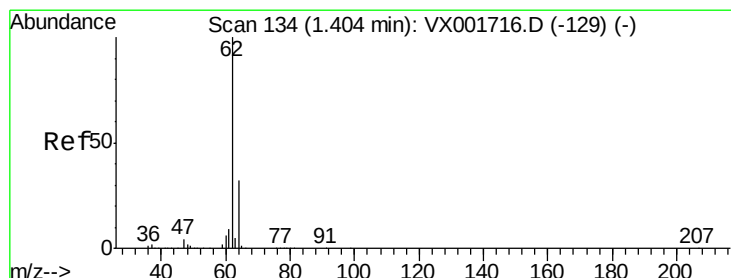
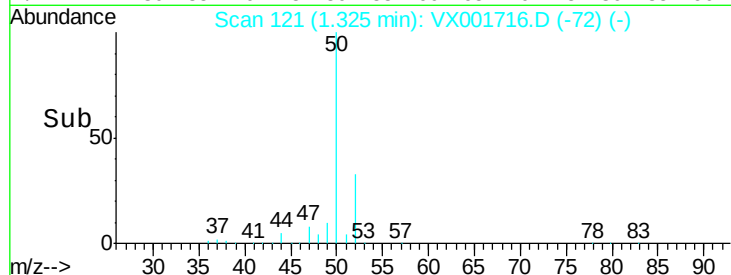
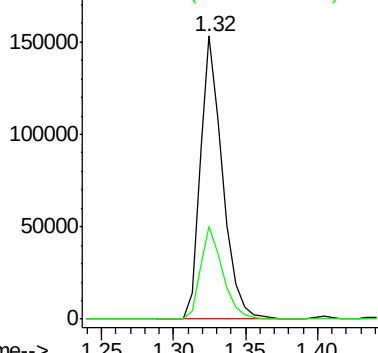
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.28 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001716.D

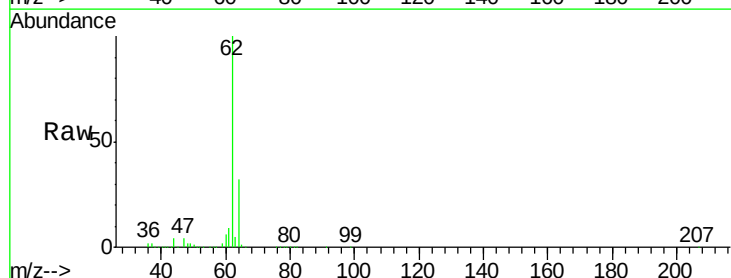
Acq: 14 May 2018 18:16

Tgt Ion: 62 Resp: 184039

Ion Ratio Lower Upper

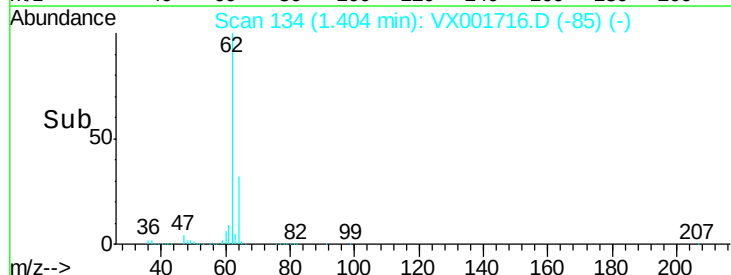
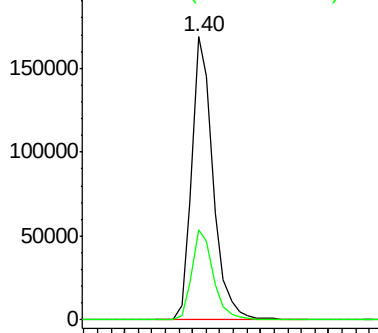
62 100

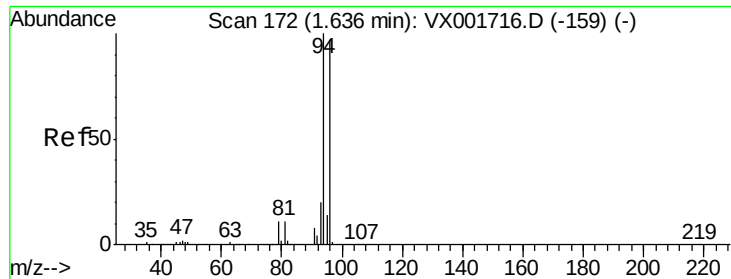
64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 31.50 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 79748

Ion Ratio Lower Upper

94 100

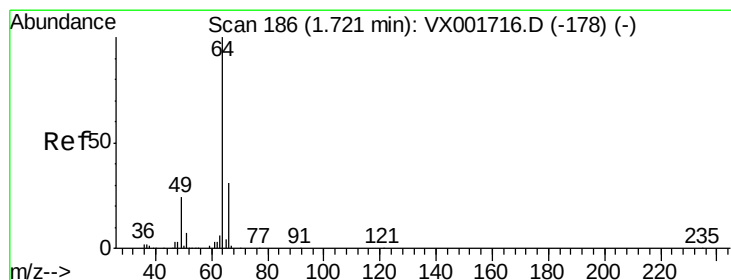
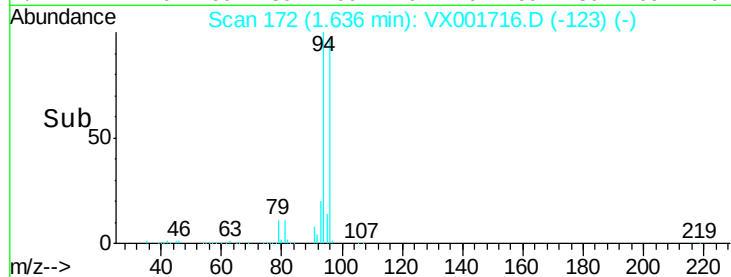
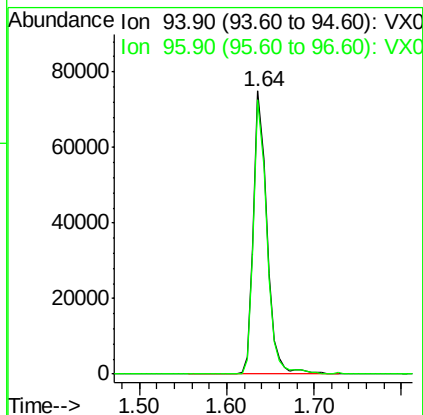
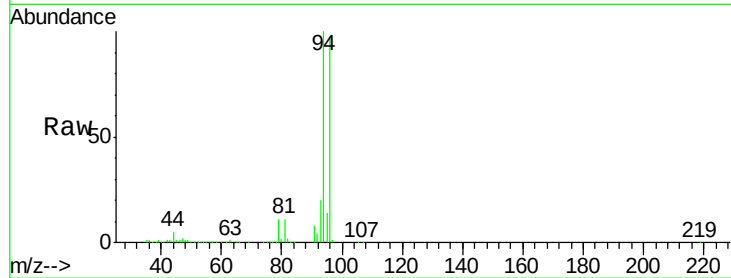
96 96.7 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 41.52 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001716.D

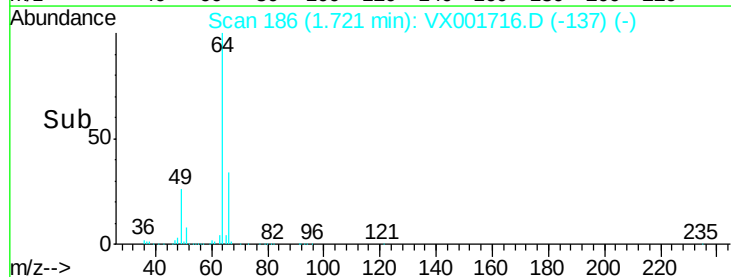
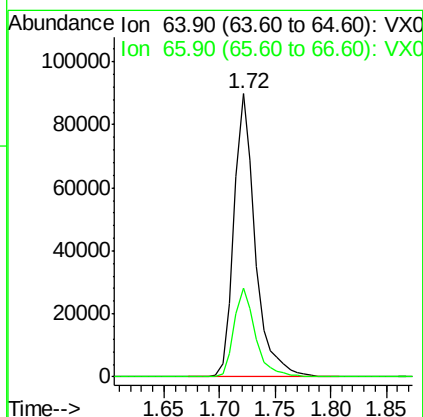
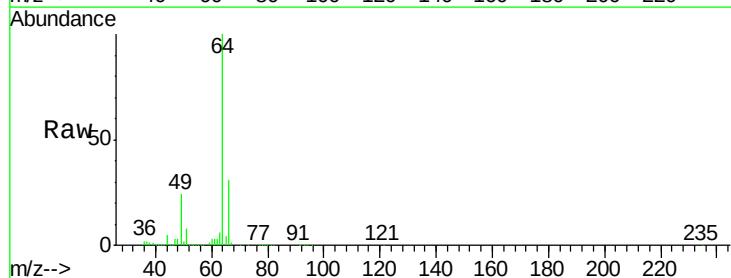
Acq: 14 May 2018 18:16

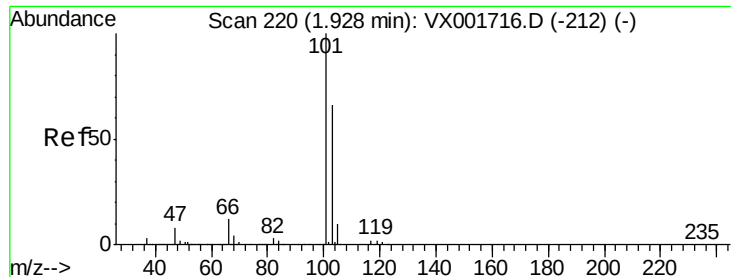
Tgt Ion: 64 Resp: 118644

Ion Ratio Lower Upper

64 100

66 31.5 25.2 37.8





#7

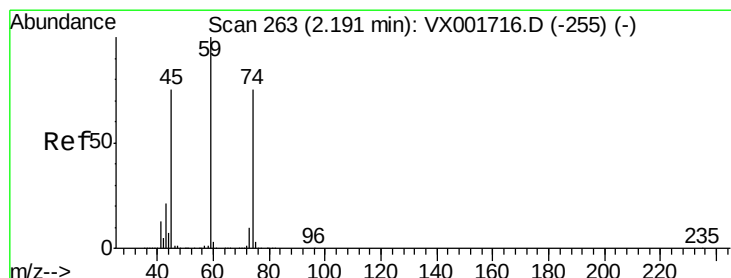
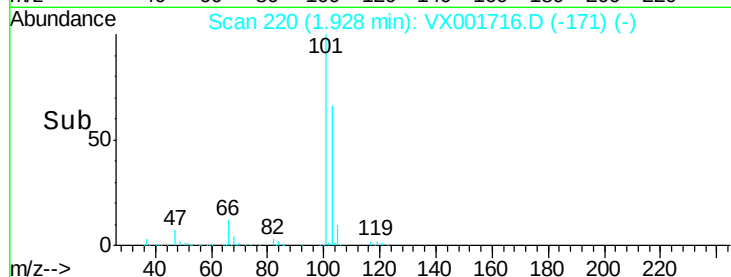
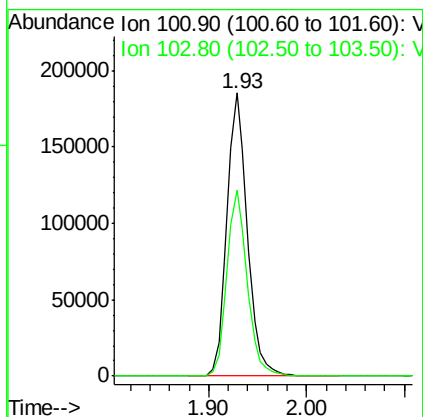
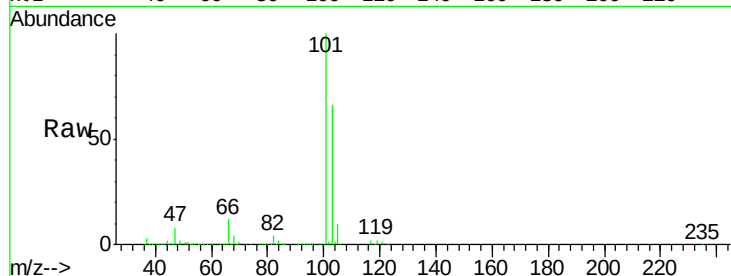
Trichlorofluoromethane
Concen: 41.38 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	269382		
103	65.7	52.6	78.8	

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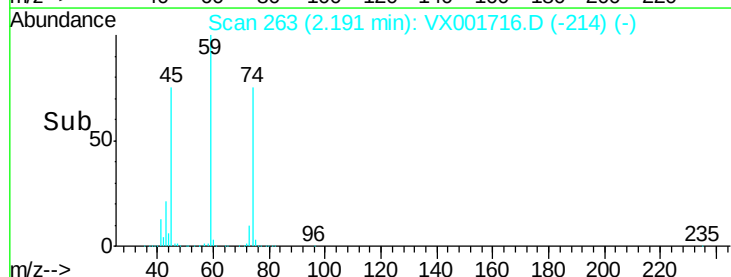
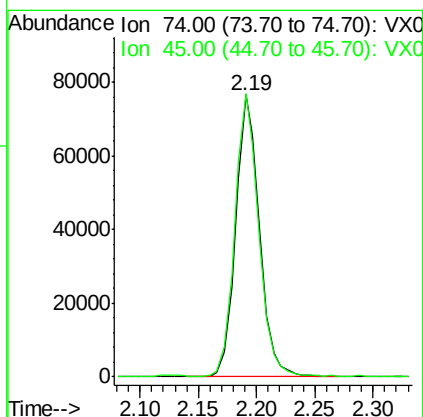
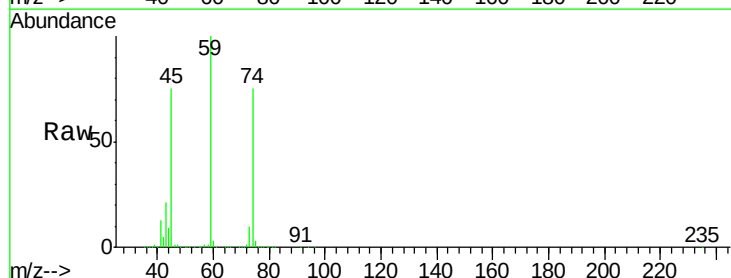
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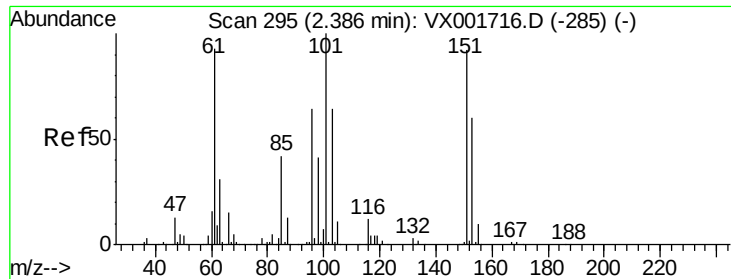


#8

Diethyl Ether
Concen: 42.28 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	108646		
45	99.9	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.33 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

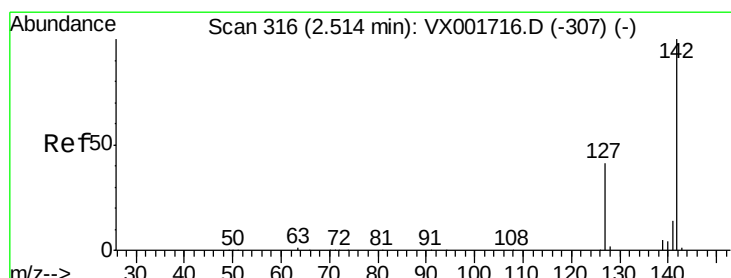
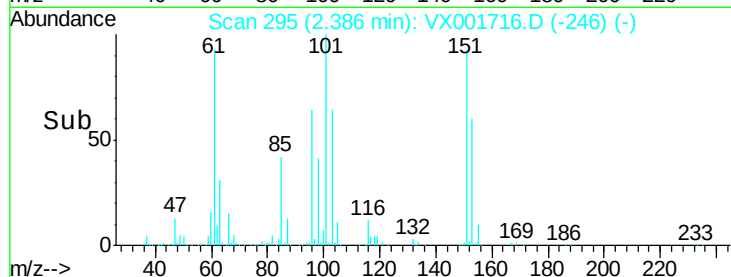
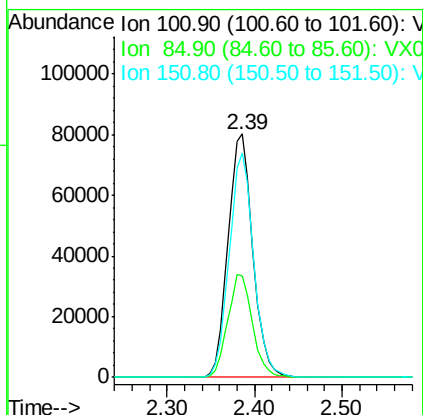
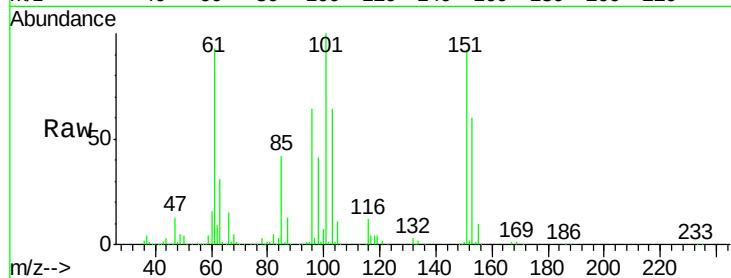
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	158172
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	91.3	73.0	109.6

Manual Integrations
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5/16/2018 11:54:07 AM



#10

Methyl Iodide

Concen: 30.52 ug/l

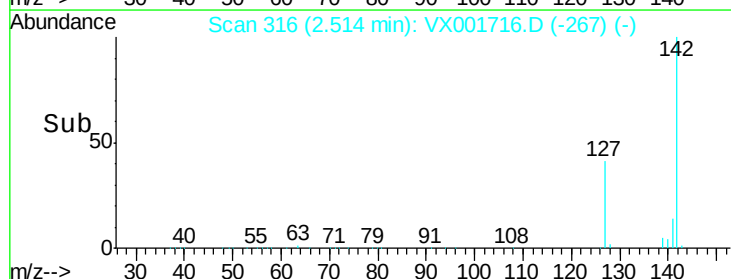
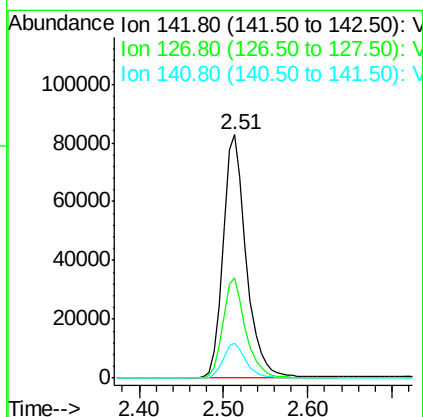
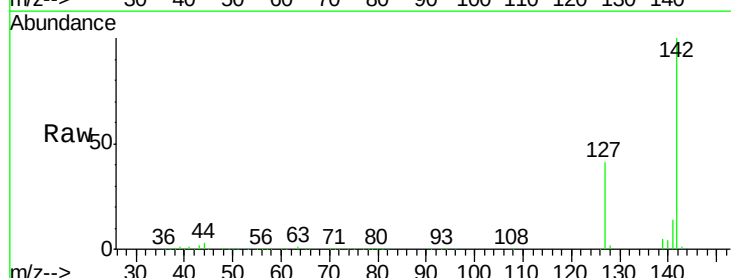
RT: 2.51 min Scan# 316

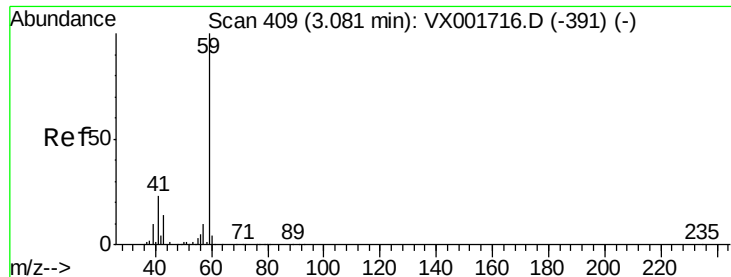
Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Tgt Ion:	142	Resp:	156794
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.5	48.7
141	14.2	11.4	17.0





#11

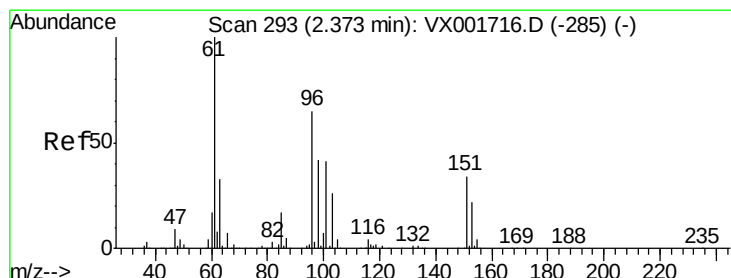
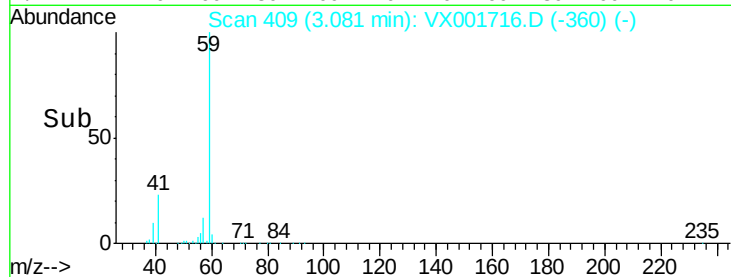
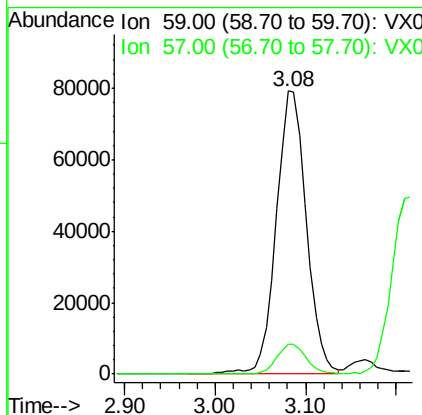
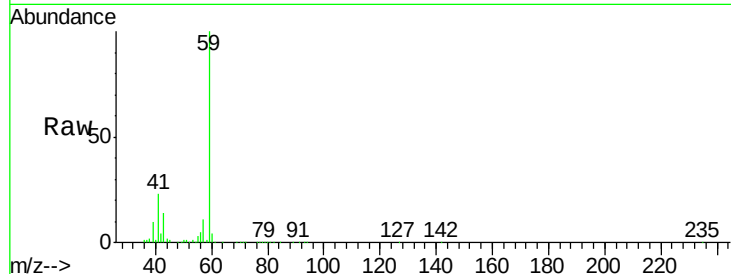
Tert butyl alcohol
Concen: 193.92 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	182548
Ion Ratio	100	Lower	Upper
57	10.6	8.5	12.7

Manual Integrations
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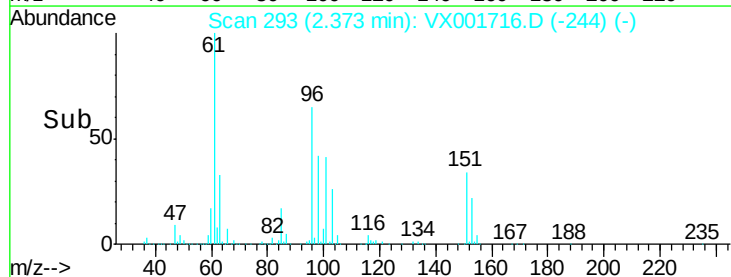
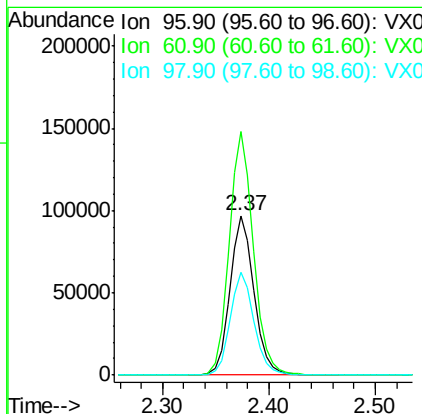
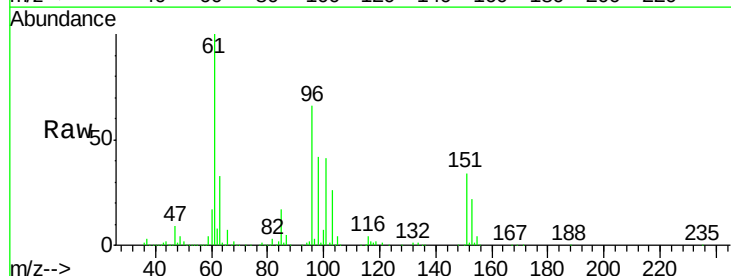
MMDadoda
5/16/2018 11:54:07 AM

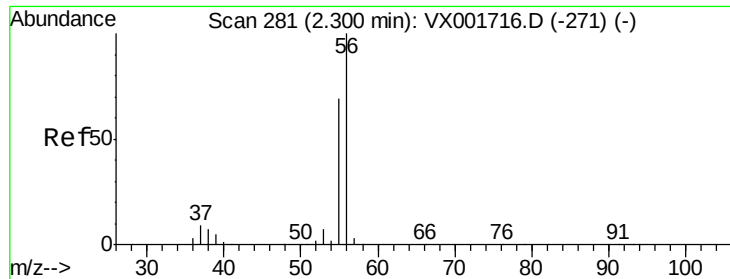


#12

1,1-Dichloroethene
Concen: 43.24 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	96	Resp	152664
Ion Ratio	100	Lower	Upper
61	152.7	122.2	183.2
98	64.2	51.4	77.0





#13

Acrolein

Concen: 429.91 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 126374

Ion Ratio Lower Upper

56 100

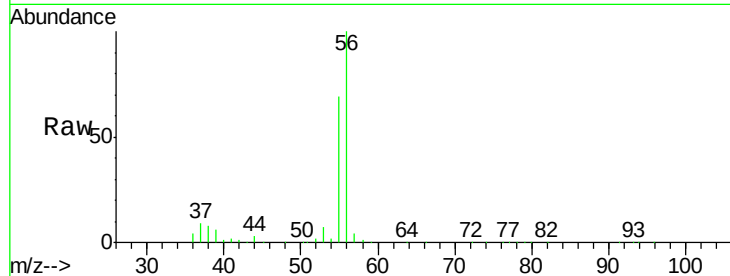
55 70.2 56.2 84.2

Manual Integrations

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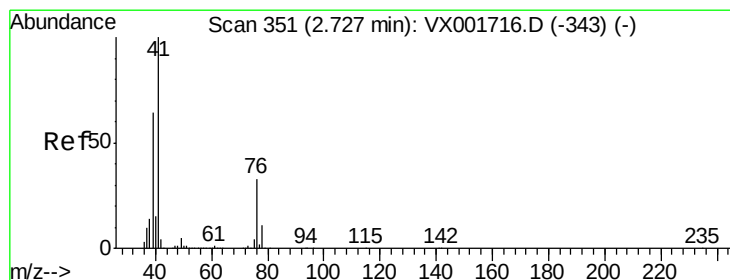
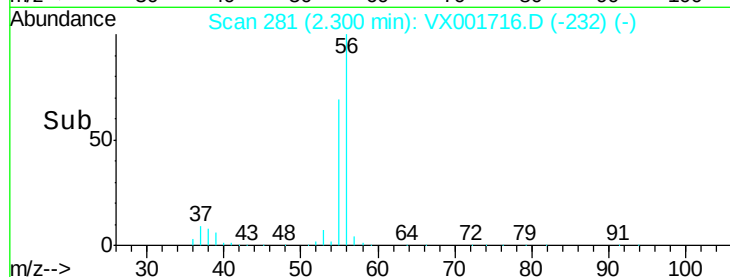
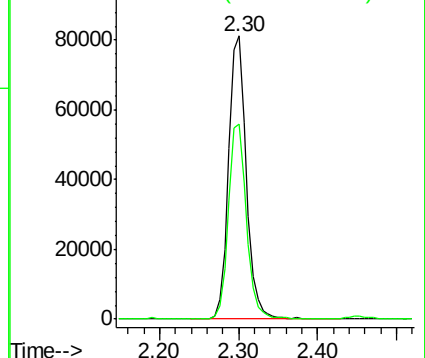
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 43.99 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

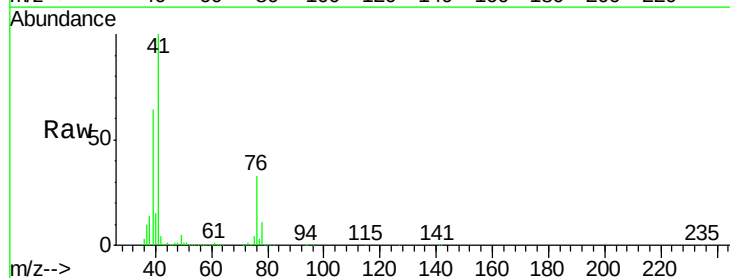
Tgt Ion: 41 Resp: 290072

Ion Ratio Lower Upper

41 100

39 62.2 49.8 74.6

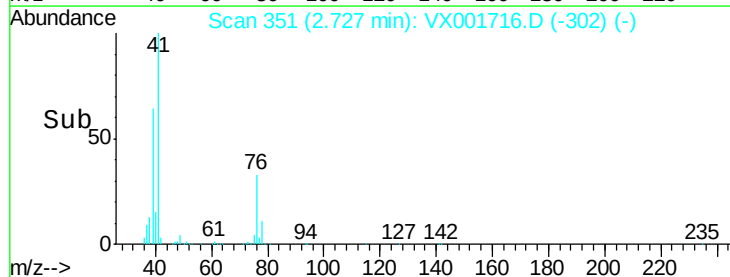
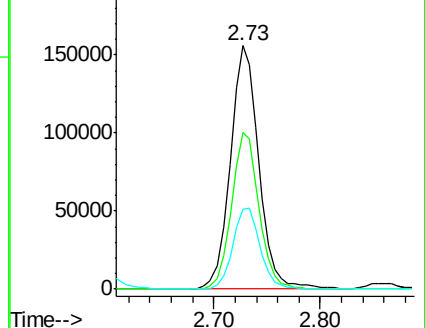
76 32.3 25.8 38.8

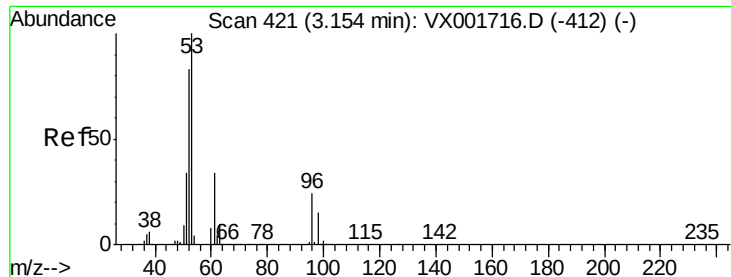


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 215.54 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

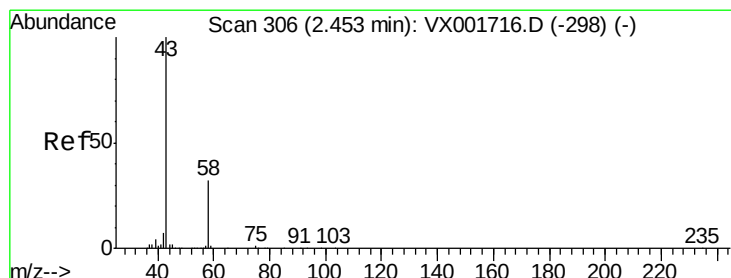
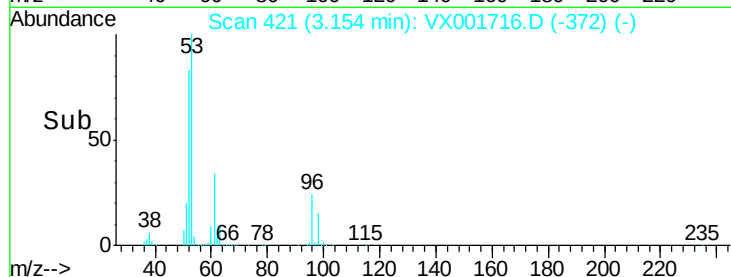
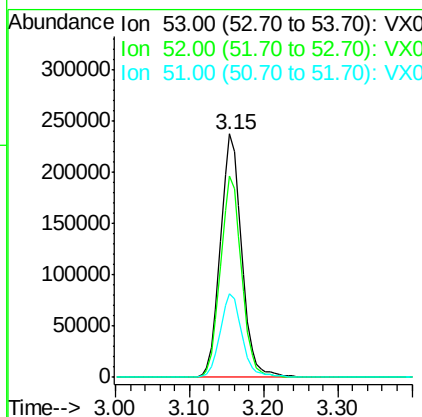
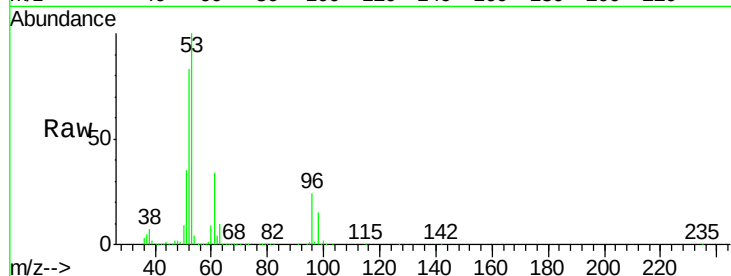
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	470747
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.6	98.4
51	35.1	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 193.92 ug/l

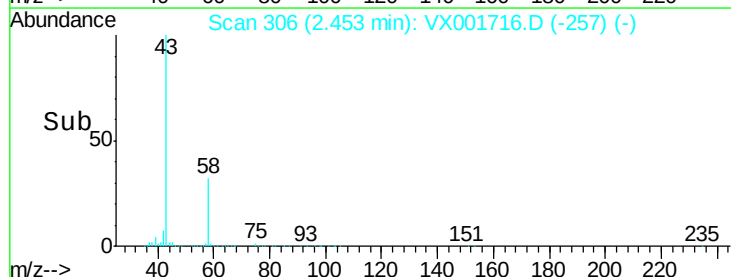
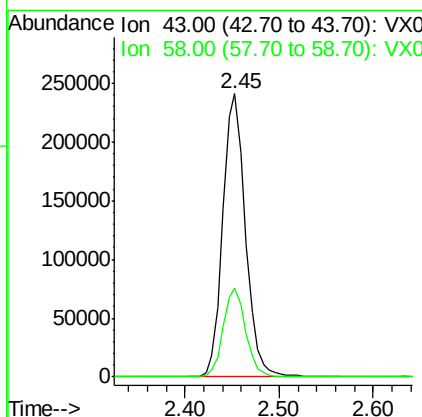
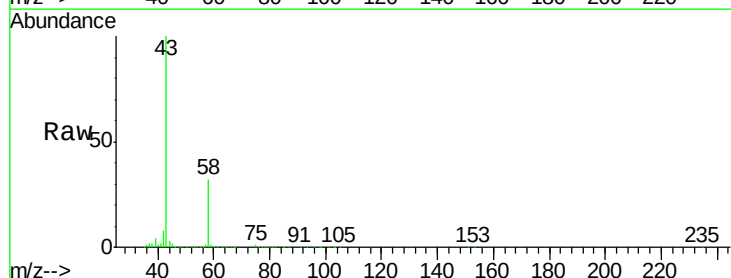
RT: 2.45 min Scan# 306

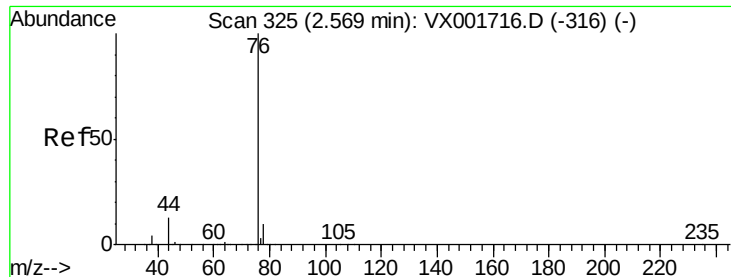
Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Tgt Ion:	43	Resp:	399549
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.3	37.9





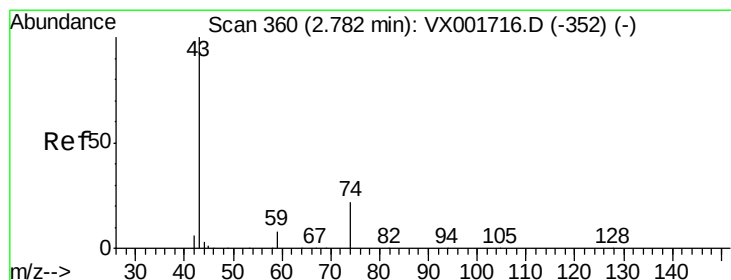
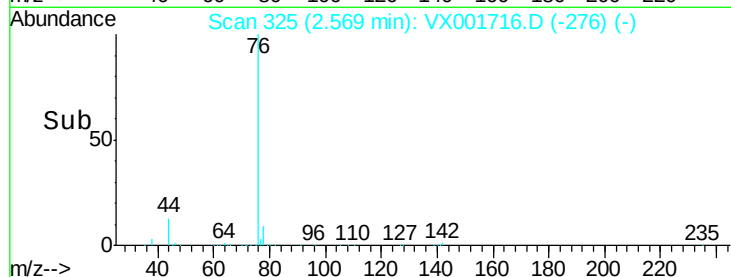
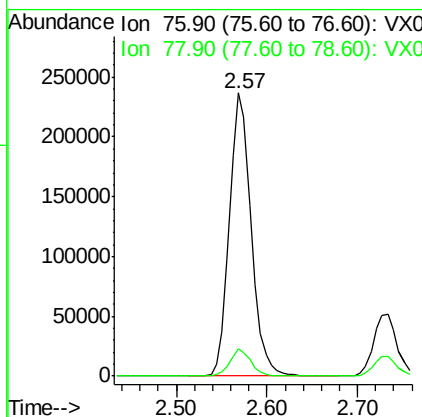
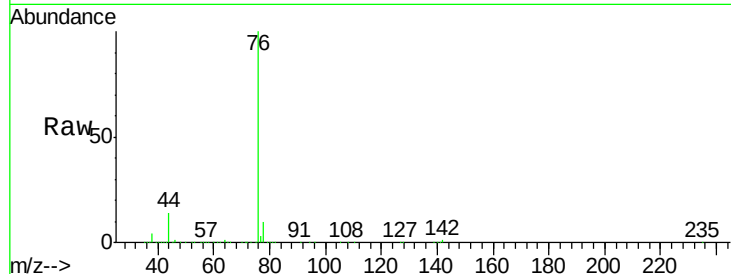
#17
Carbon Disulfide
Concen: 43.99 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

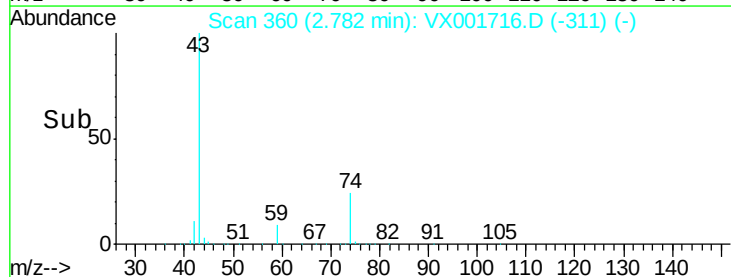
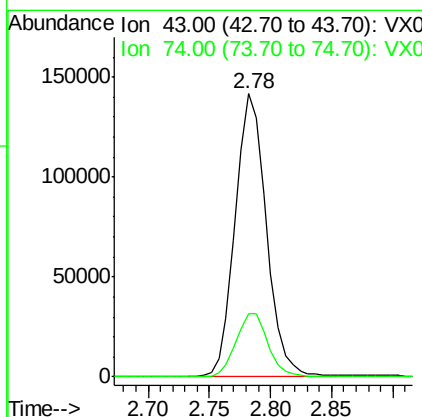
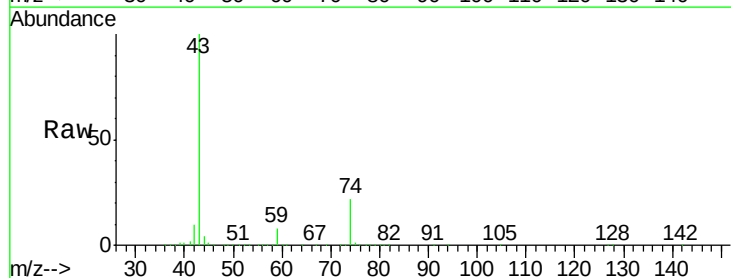
Manual Integrations
APPROVED

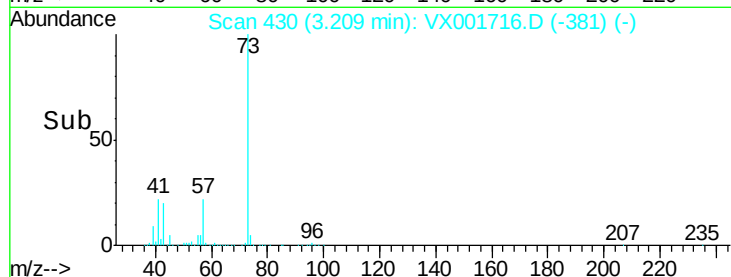
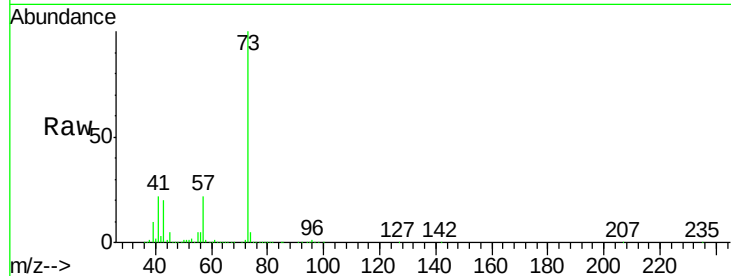
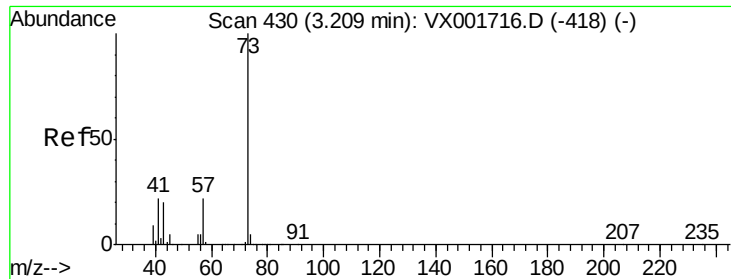
MMDadoda
5/16/2018 11:54:07 AM



#18
Methyl Acetate
Concen: 45.05 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	18.2	27.2





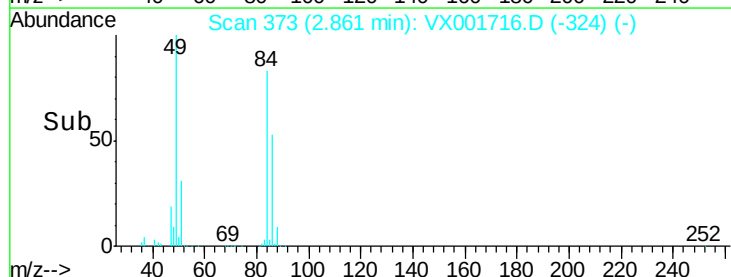
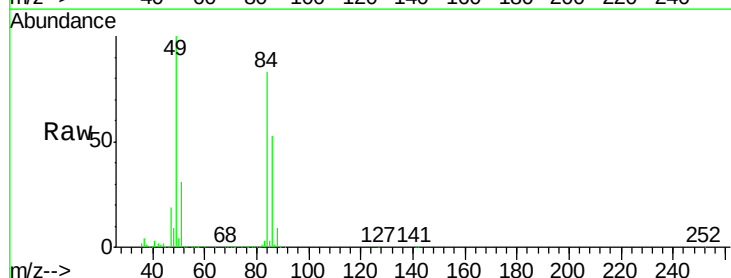
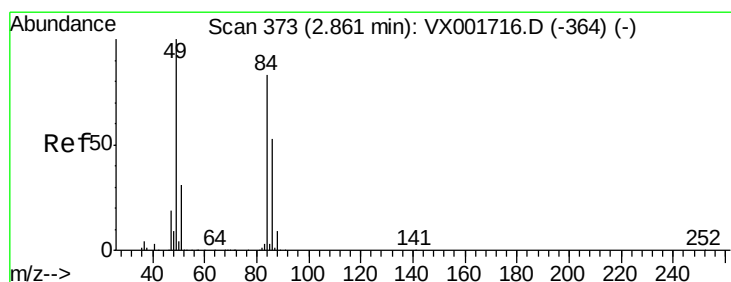
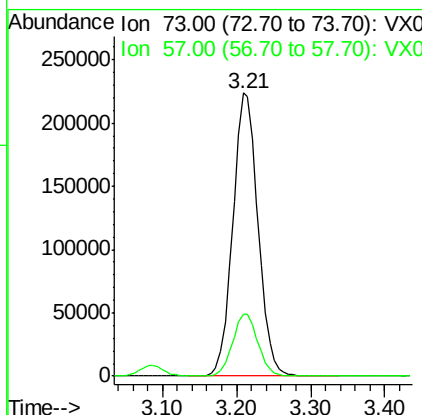
#19
Methyl tert-butyl Ether
Concen: 43.10 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tot Ion	73	Resp	529981
Ion Ratio	100	Lower	Upper
73	100		
57	21.9	17.5	26.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

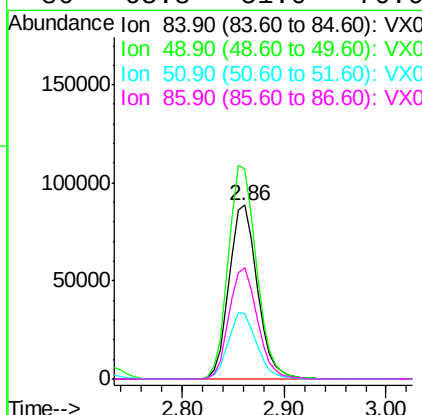
Manual Integrations
APPROVED

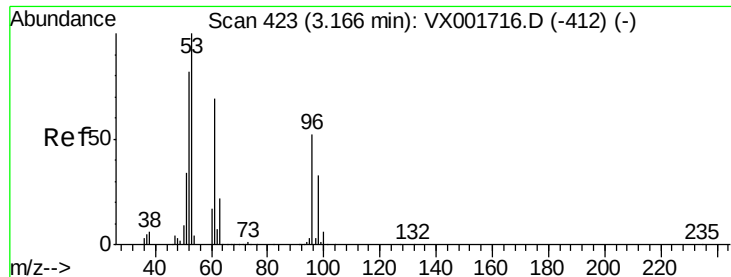
MMDadoda
5/16/2018 11:54:07 AM



#20
Methylene Chloride
Concen: 41.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	84	Resp	170010
Ion Ratio	100	Lower	Upper
84	100		
49	120.4	96.3	144.5
51	37.2	29.8	44.6
86	63.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 42.46 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

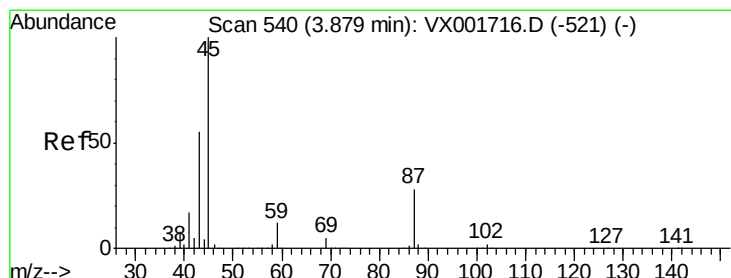
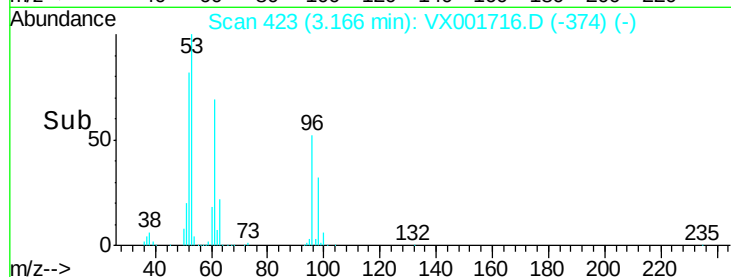
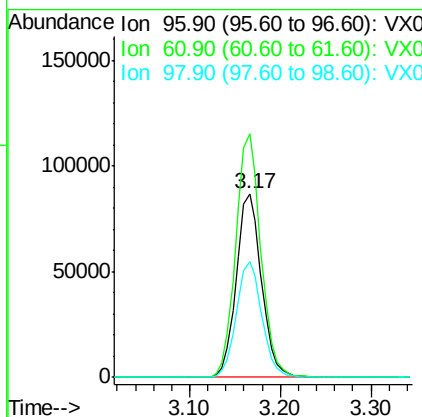
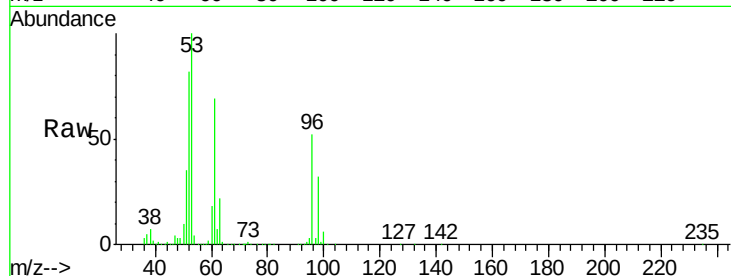
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	167655
Ion	Ratio	Lower	Upper
96	100		
61	132.3	105.8	158.8
98	62.8	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 44.59 ug/l

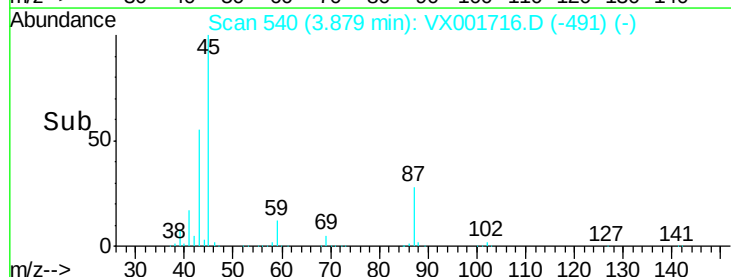
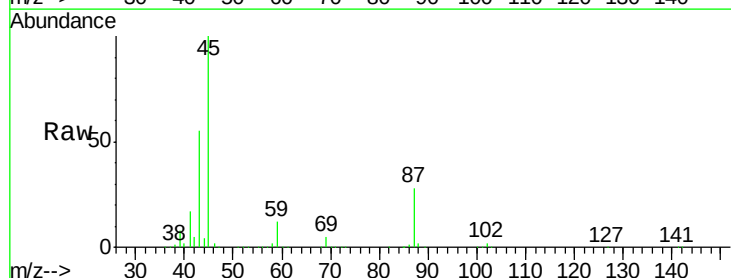
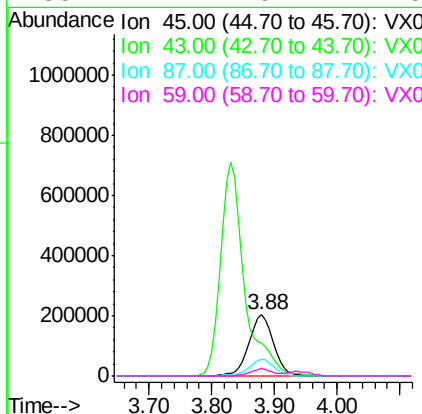
RT: 3.88 min Scan# 540

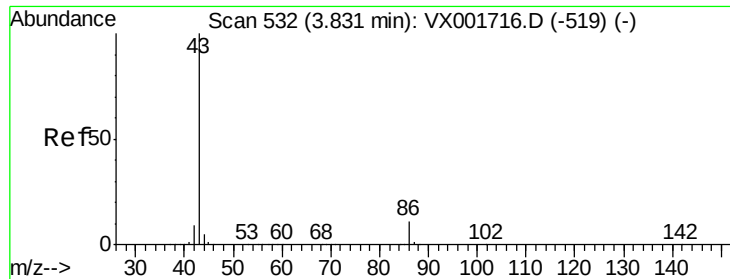
Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Tgt Ion:	45	Resp:	552151
Ion	Ratio	Lower	Upper
45	100		
43	55.4	44.3	66.5
87	28.2	22.6	33.8
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 188.82 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1887134

Ion Ratio Lower Upper

43 100

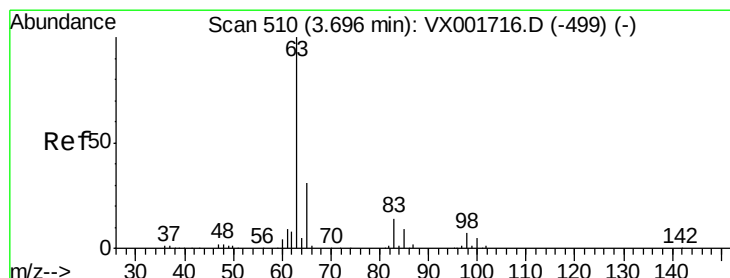
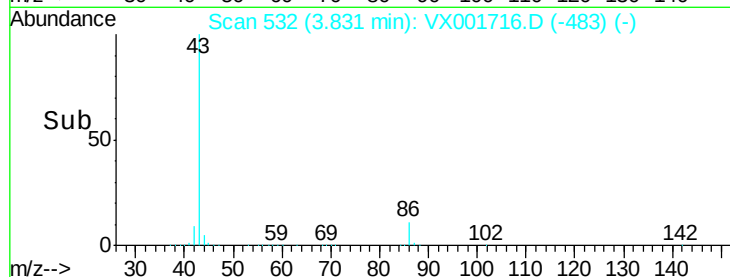
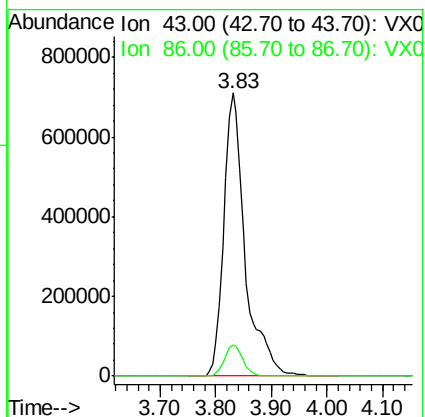
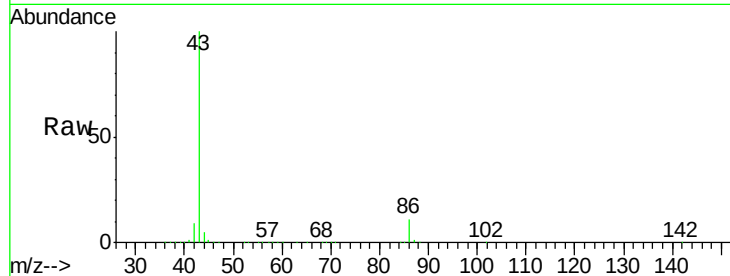
86 10.9 8.7 13.1

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 43.29 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

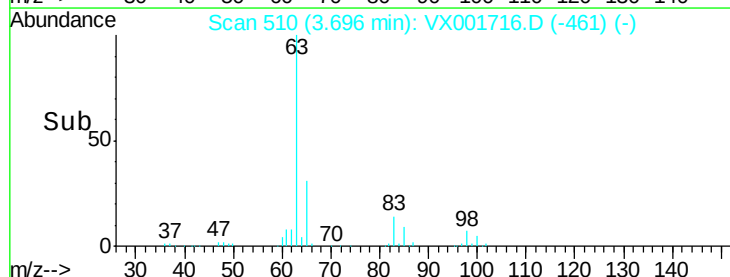
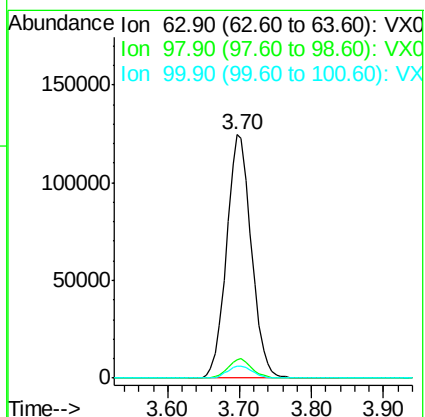
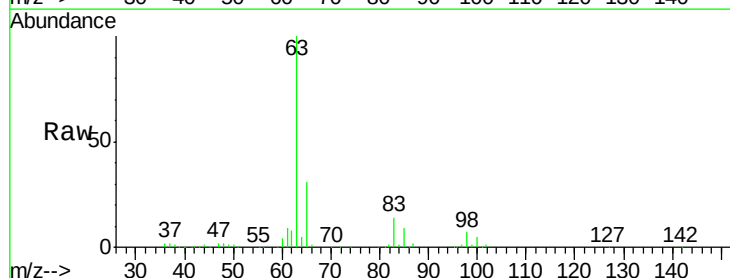
Tgt Ion: 63 Resp: 297701

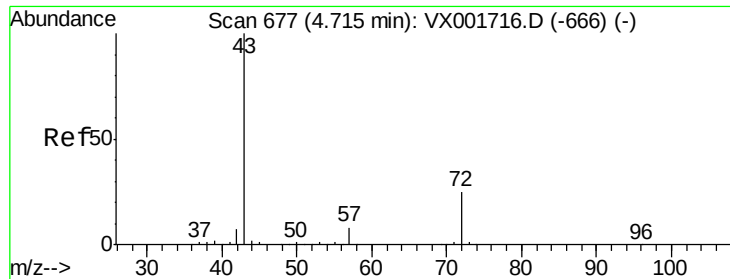
Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 215.18 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 647867

Ion Ratio Lower Upper

43 100

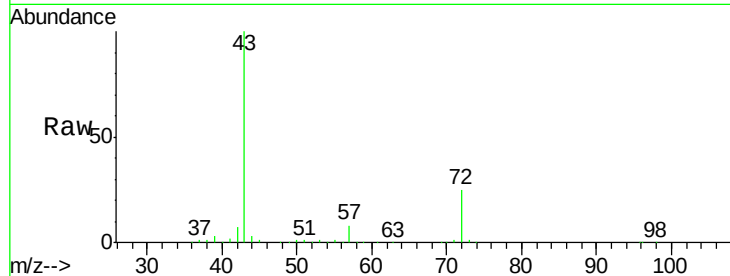
72 24.7 19.8 29.6

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

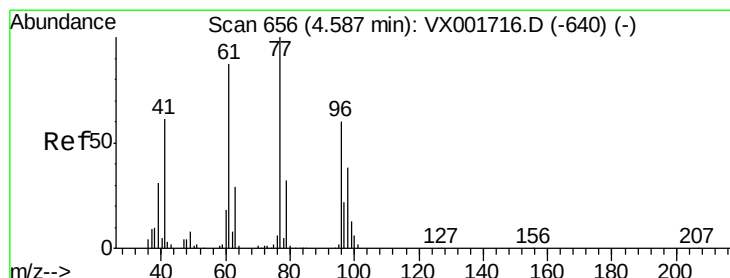
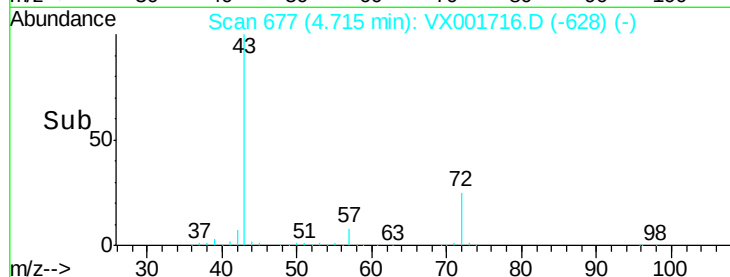
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.13 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001716.D

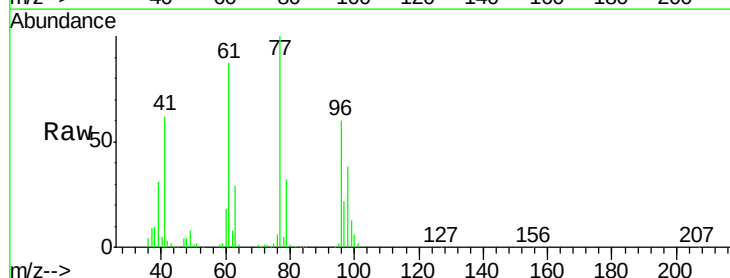
Acq: 14 May 2018 18:16

Tgt Ion: 77 Resp: 246337

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

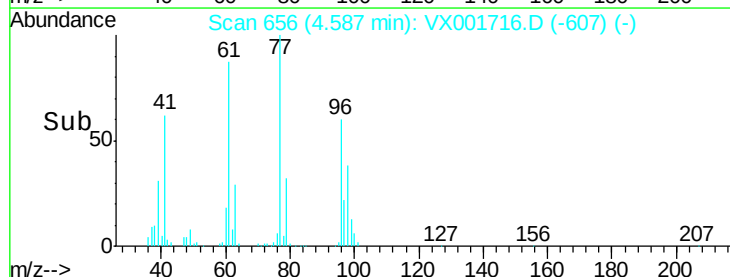
40000

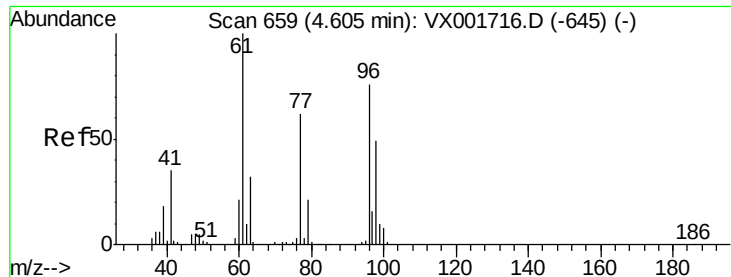
20000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

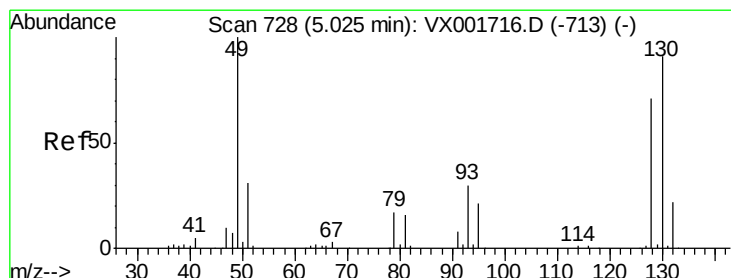
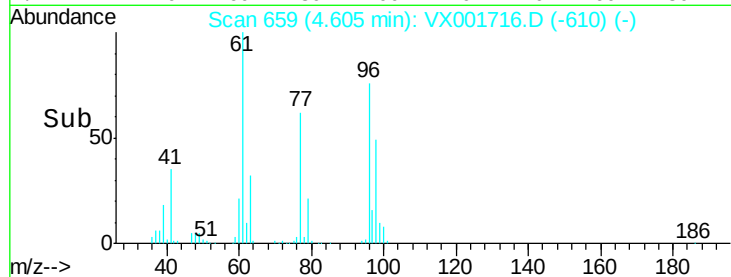
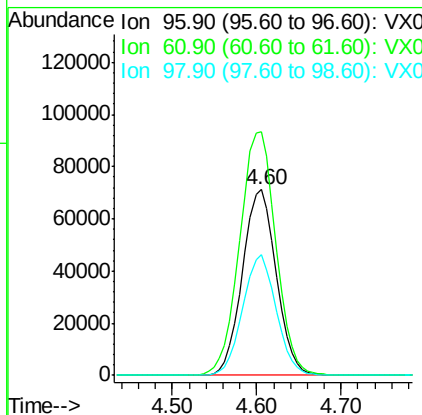
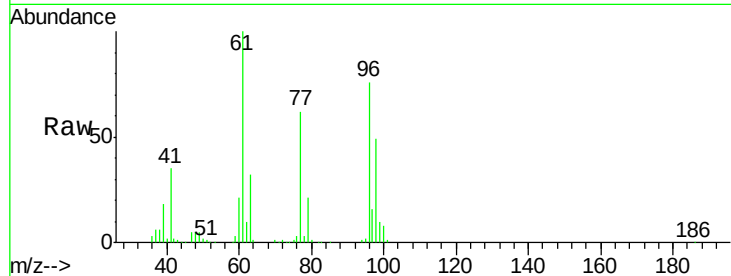
cis-1,2-Dichloroethene
Concen: 45.68 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	194216		
61	140.2	0.0	280.4	
98	64.2	0.0	128.4	

Manual Integrations
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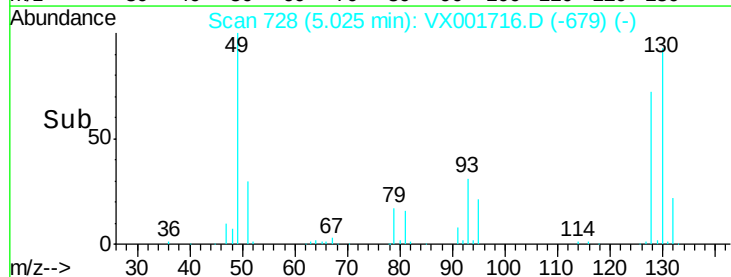
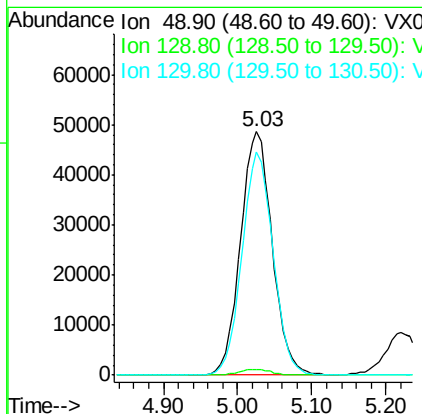
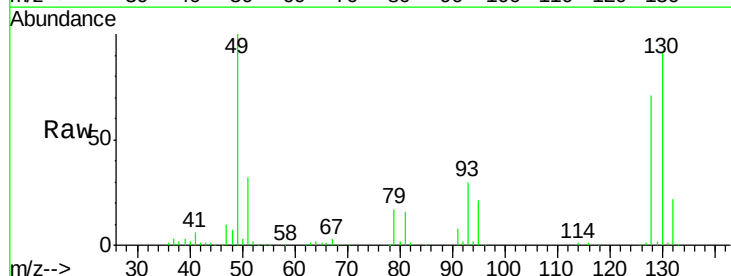
MMDadoda
5/16/2018 11:54:07 AM

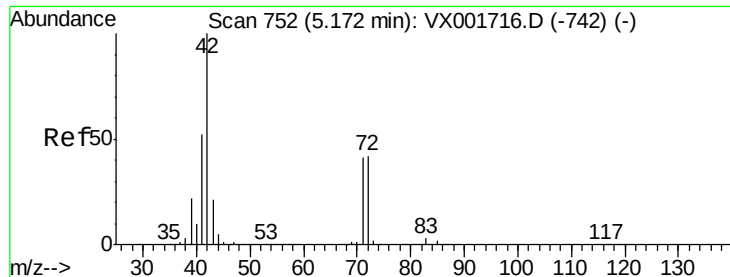


#28

Bromochloromethane
Concen: 48.13 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	145644		
129	2.5	0.0	5.0	
130	89.7	71.8	107.6	





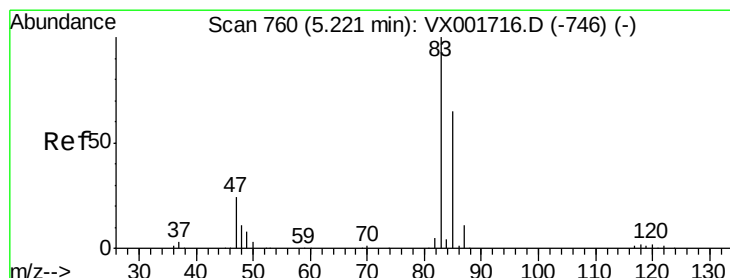
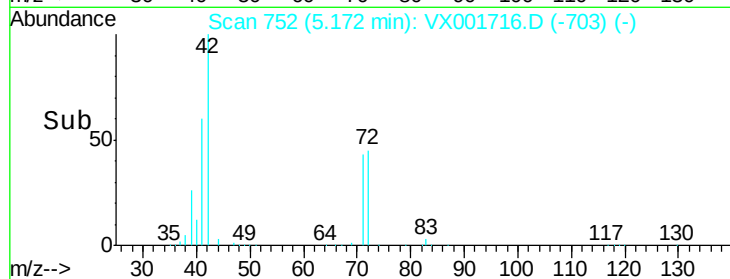
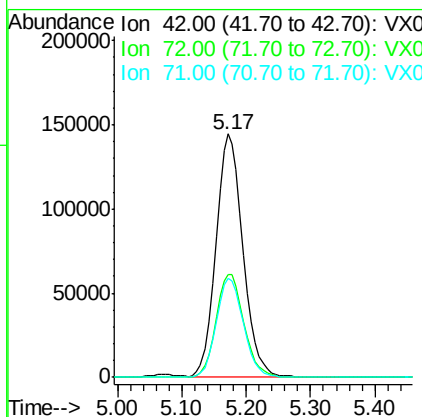
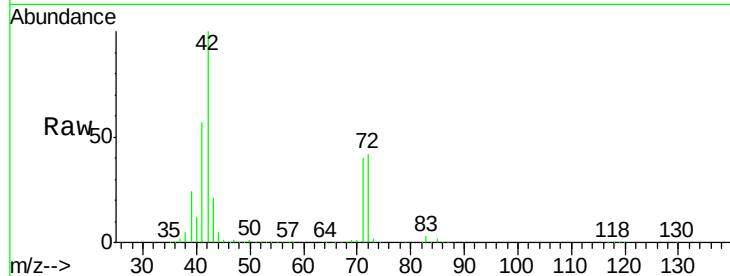
#29
Tetrahydrofuran
Concen: 219.43 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.4	53.2
71	41.5	33.2	49.8

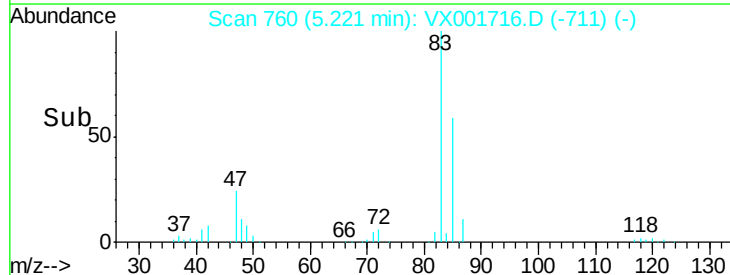
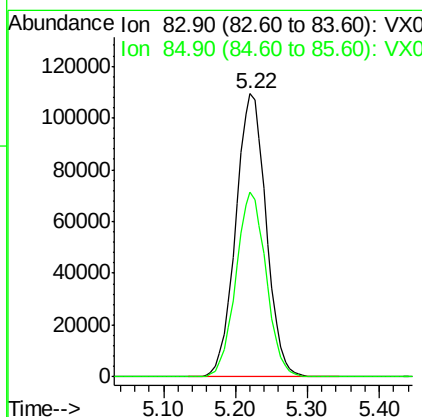
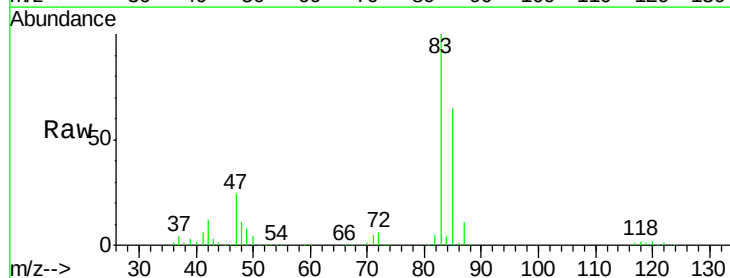
Manual Integrations
APPROVED

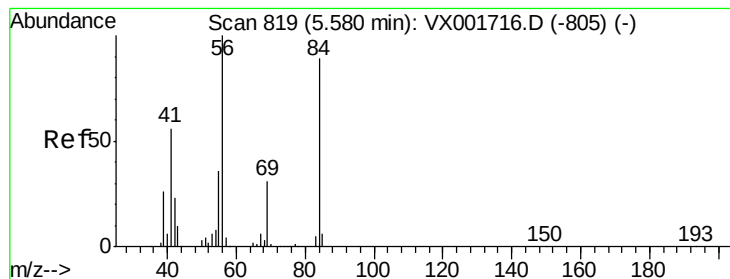
MMDadoda
5/16/2018 11:54:07 AM



#30
Chloroform
Concen: 44.94 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5





#31

Cyclohexane

Concen: 46.40 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 276493

Ion Ratio Lower Upper

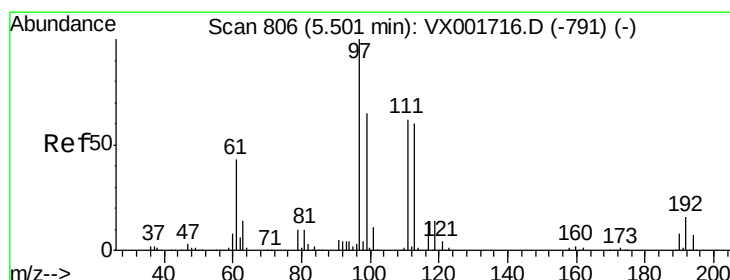
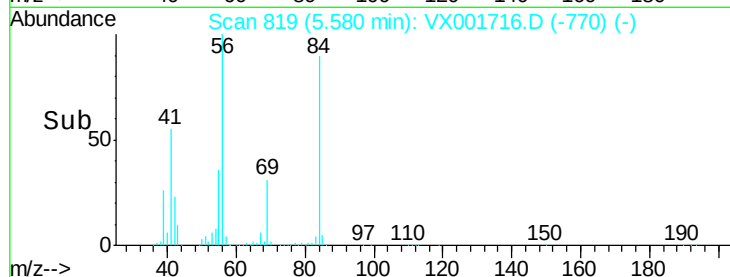
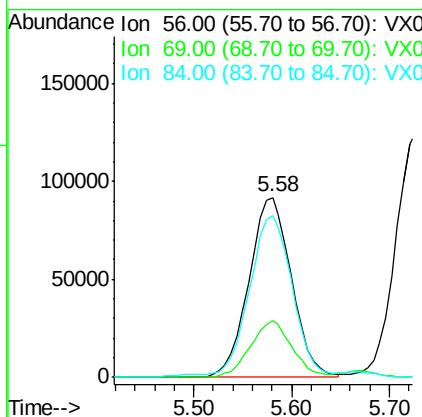
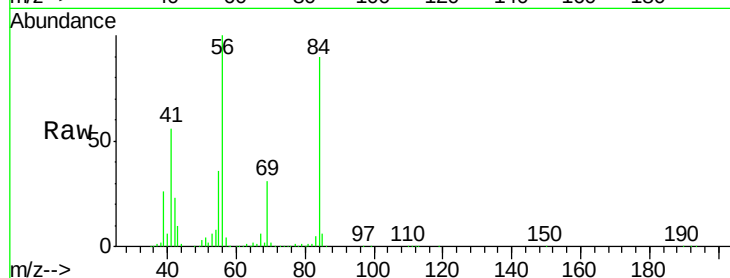
56 100

69 31.3 25.0 37.6

84 88.7 71.0 106.4

Manual Integrations
APPROVED

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5/16/2018 11:54:07 AM



#32

1,1,1-Trichloroethane

Concen: 45.93 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

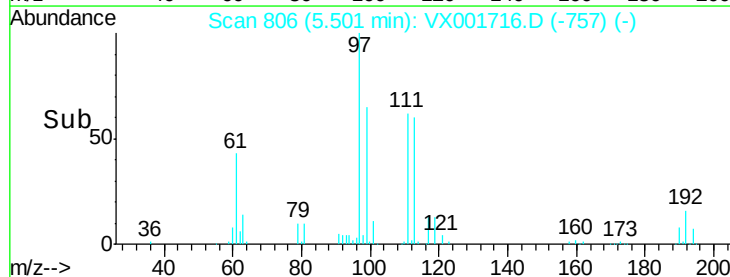
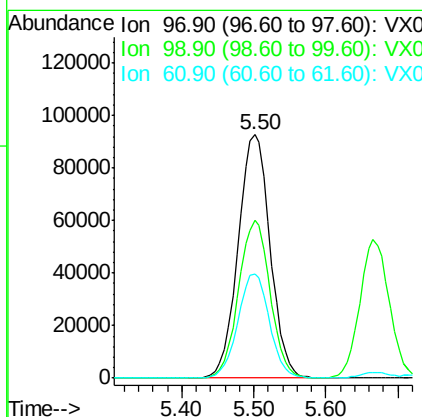
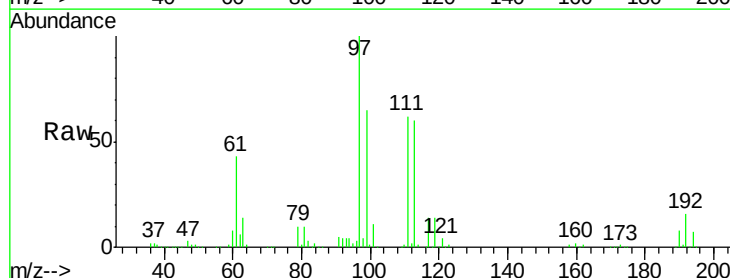
Tgt Ion: 97 Resp: 285448

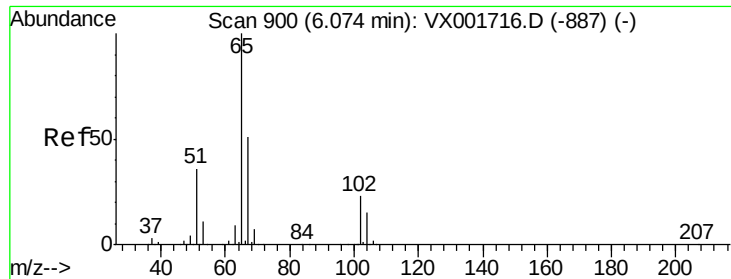
Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 42.5 34.0 51.0





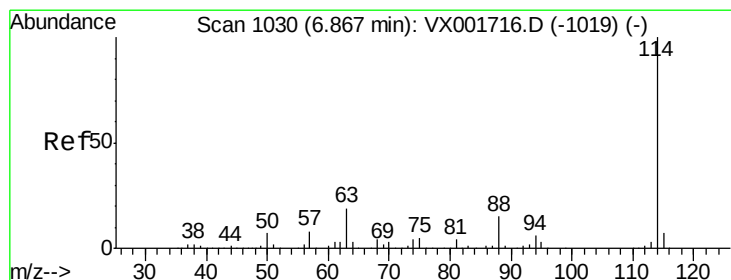
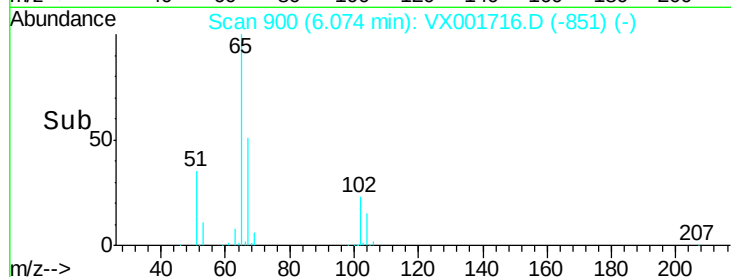
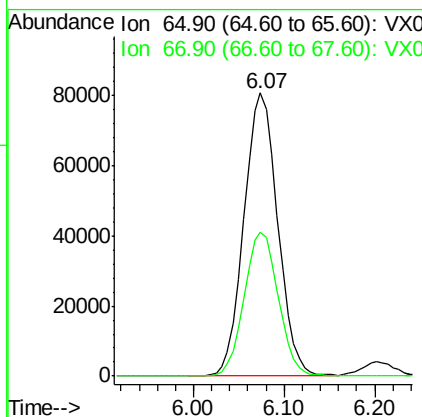
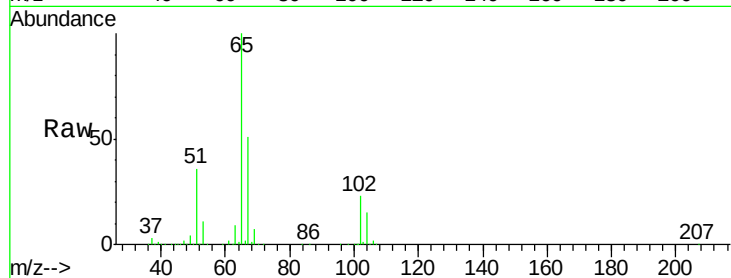
#33
 1,2-Dichloroethane-d4
 Concen: 45.27 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	208360		
67	51.4	0.0	102.8	

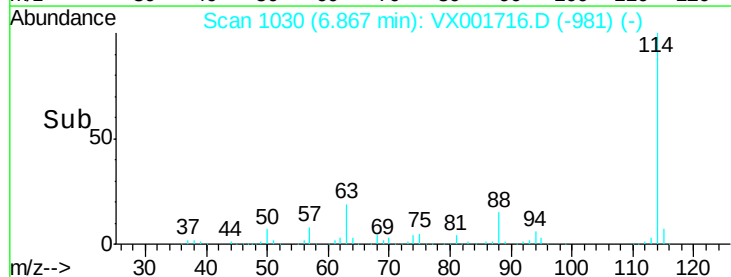
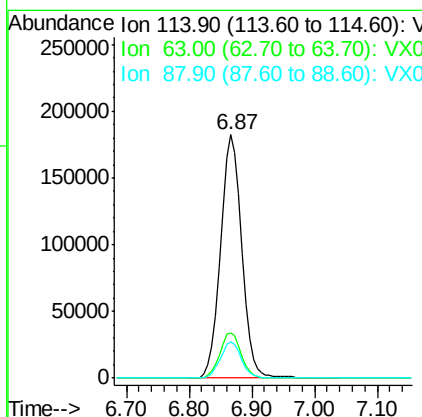
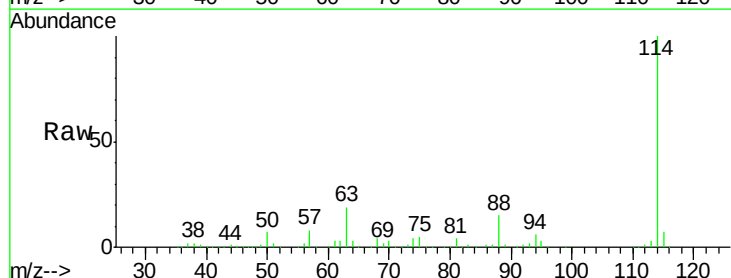
Manual Integrations
 APPROVED

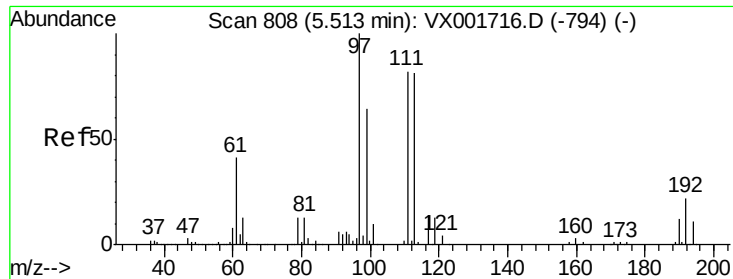
MMDadoda
 5/16/2018 11:54:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	425864		
63	18.5	0.0	37.0	
88	14.9	0.0	29.8	





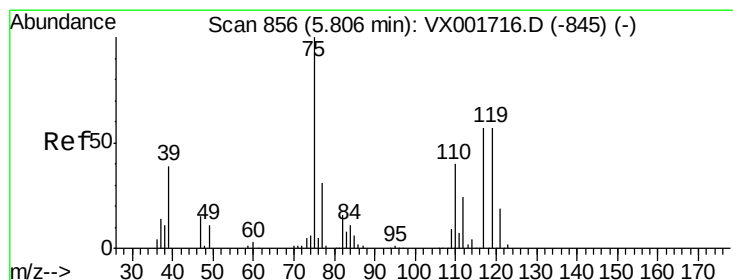
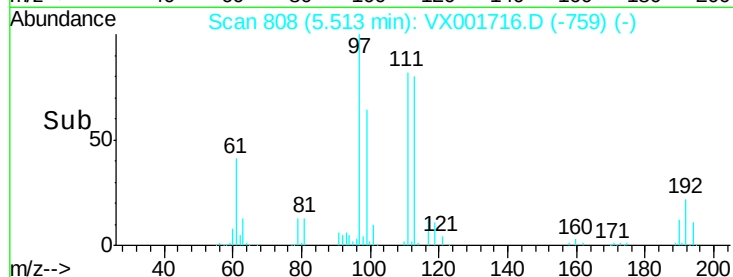
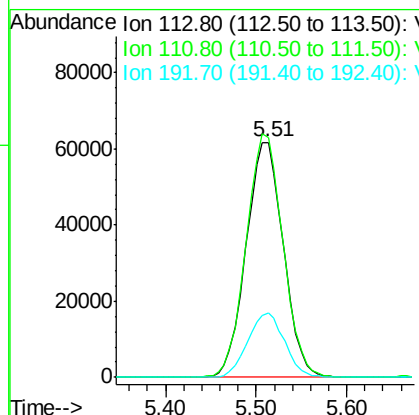
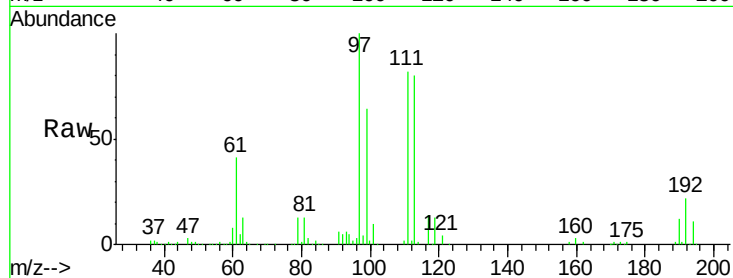
#35
Dibromofluoromethane
Concen: 46.95 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175735		
111	102.5	82.0	123.0	
192	27.0	21.6	32.4	

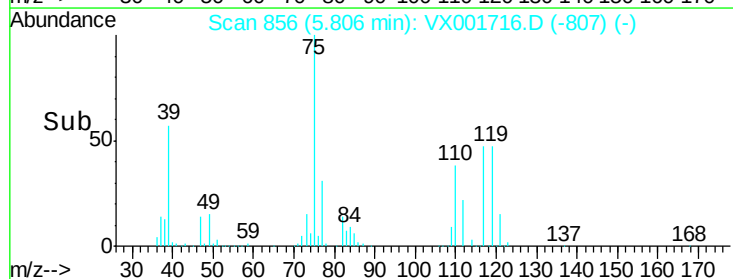
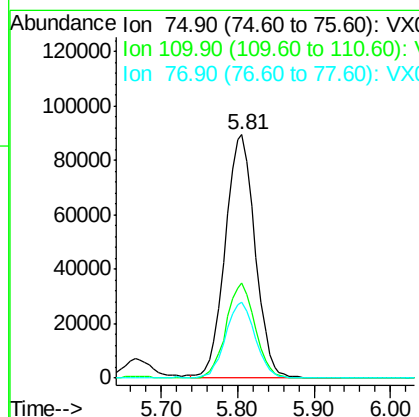
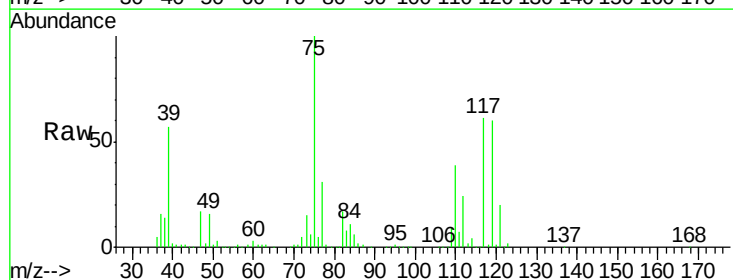
Manual Integrations
APPROVED

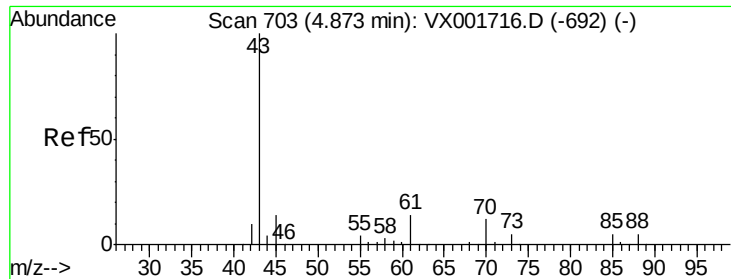
MMDadoda
5/16/2018 11:54:07 AM



#36
1,1-Dichloropropene
Concen: 44.96 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	239960		
110	38.1	19.1	57.1	
77	30.8	24.6	37.0	





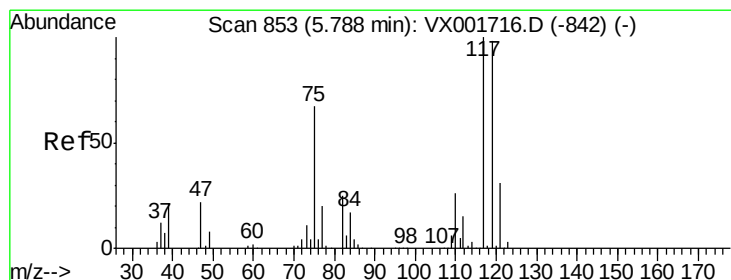
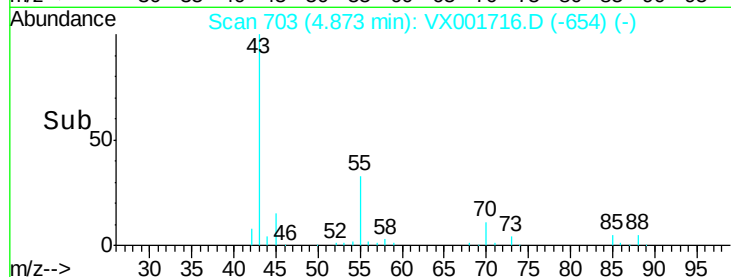
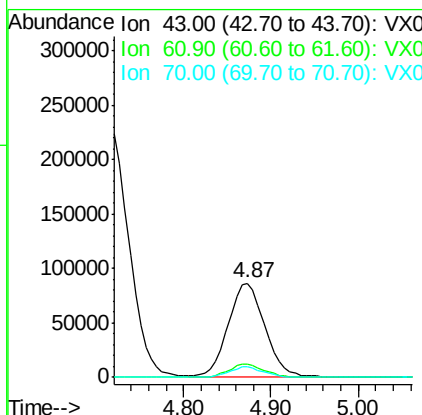
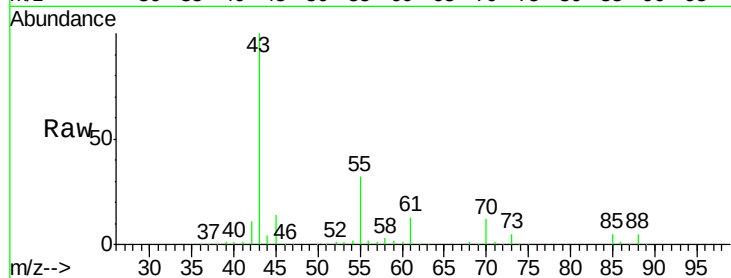
#37
Ethyl Acetate
Concen: 43.25 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	11.0	8.8	13.2

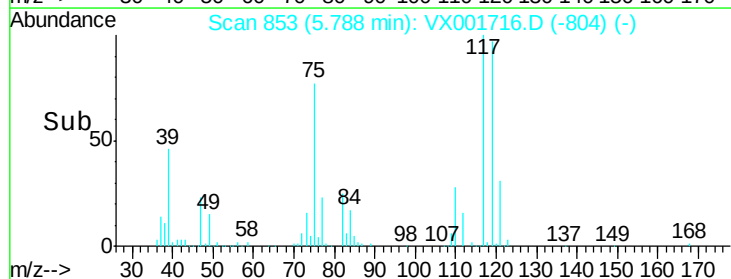
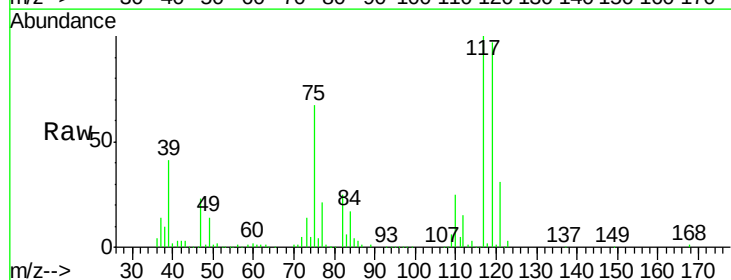
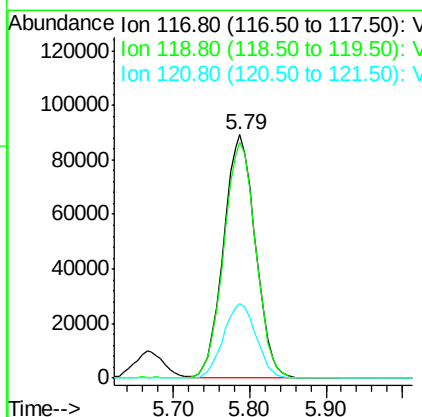
Manual Integrations
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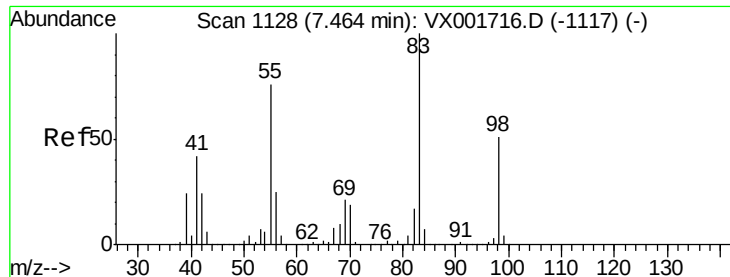
MMDadoda
5/16/2018 11:54:07 AM



#38
Carbon Tetrachloride
Concen: 45.42 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.6	116.4
121	30.7	24.6	36.8





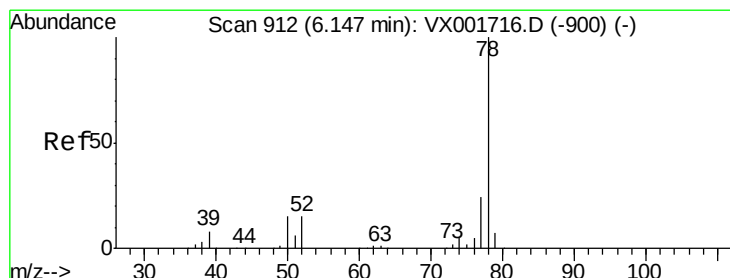
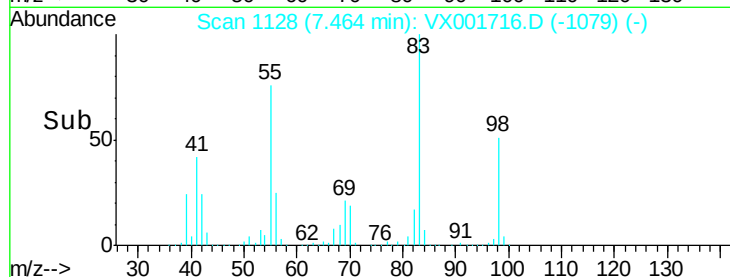
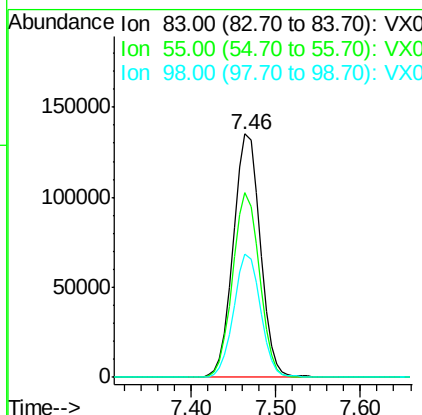
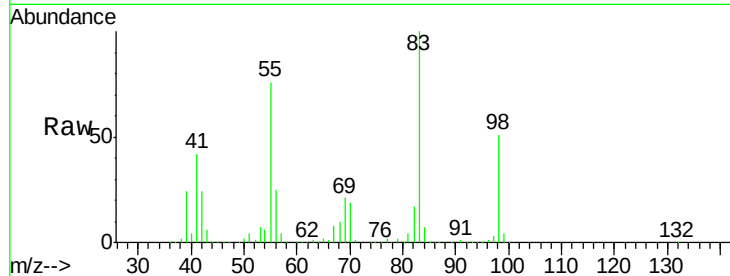
#39
Methylvlcyclohexane
Concen: 46.16 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	291296		
55	75.7		60.6	90.8
98	50.5		40.4	60.6

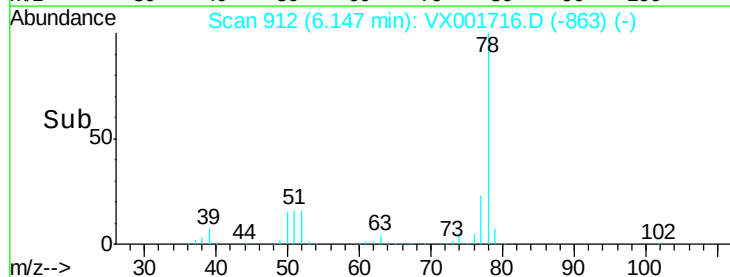
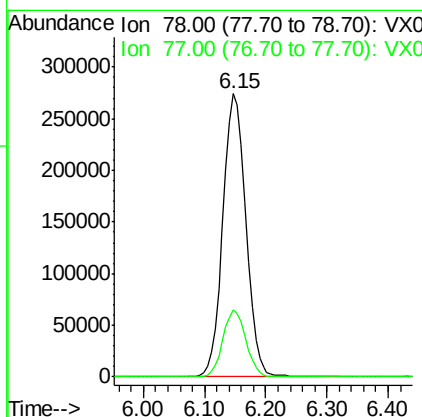
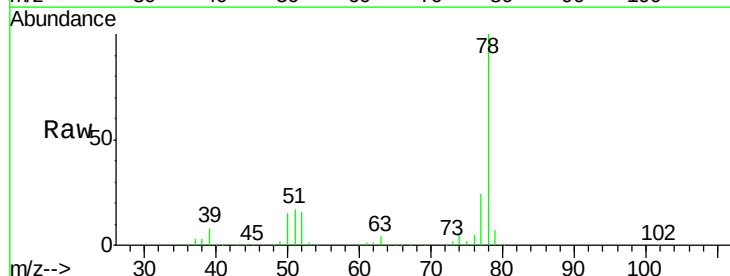
Manual Integrations
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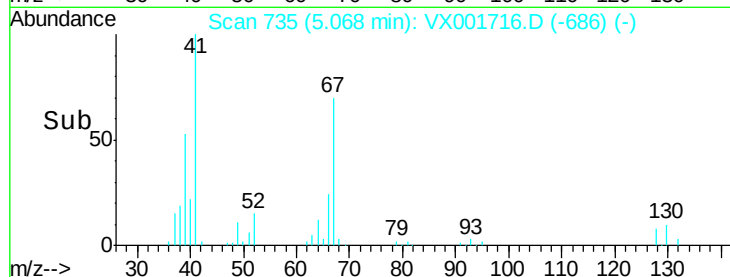
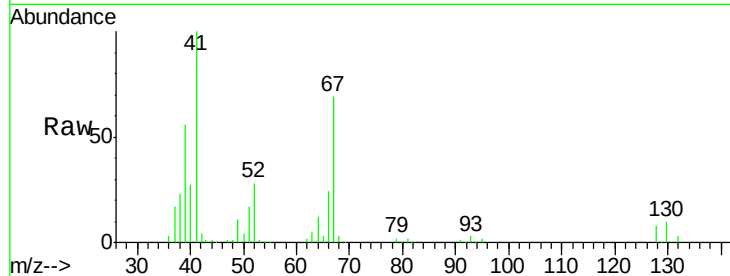
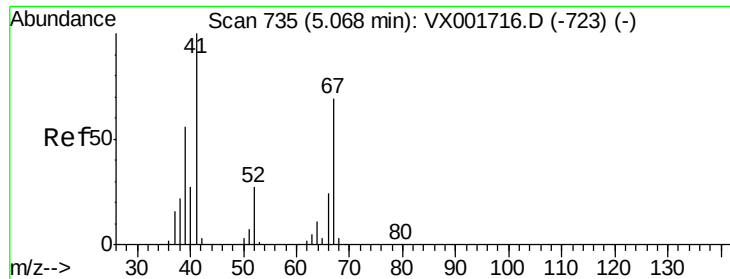
MMDadoda
5/16/2018 11:54:07 AM



#40
Benzene
Concen: 45.78 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	713540		
77	23.7		19.0	28.4





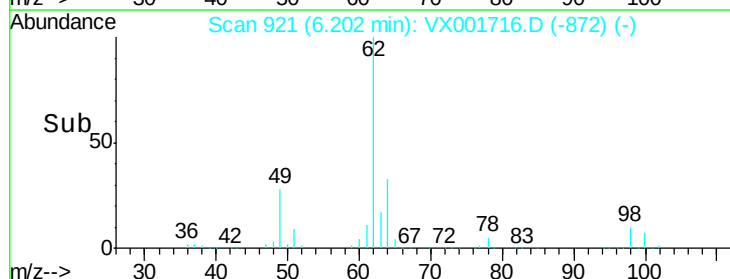
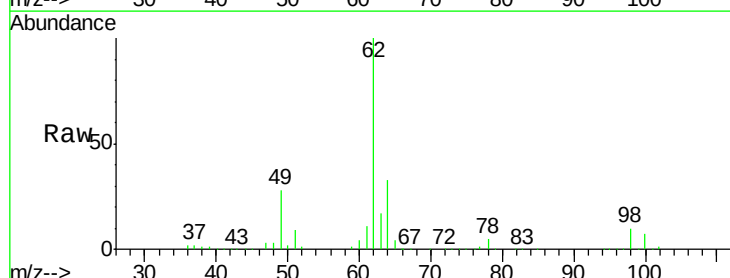
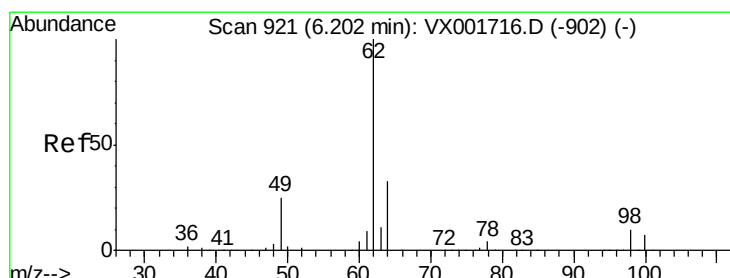
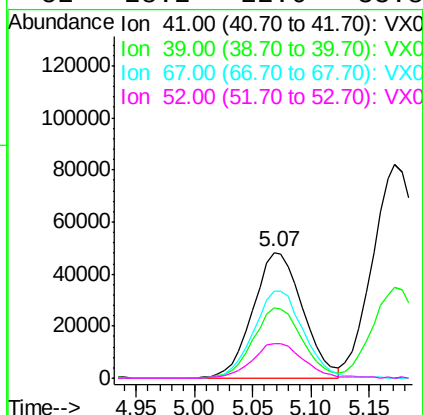
#41
Methacrylonitrile
Concen: 43.01 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.3	44.2	66.4		
67	70.0	56.0	84.0		
52	28.2	22.6	33.8		

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

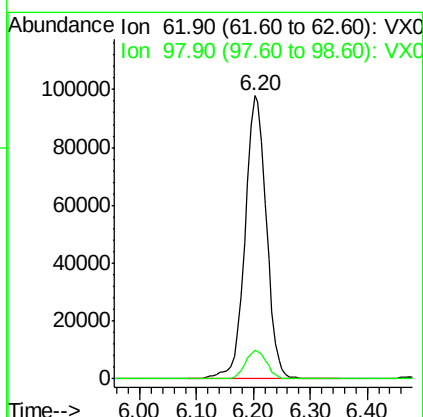
Manual Integrations
APPROVED

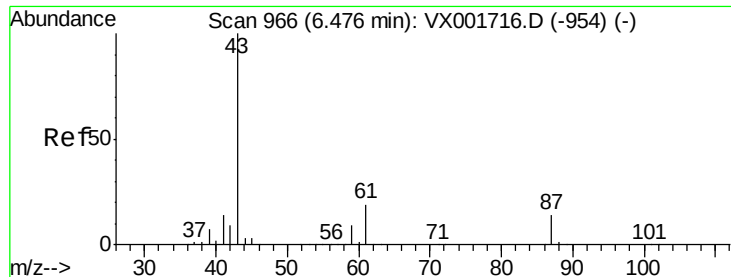
MMDadoda
5/16/2018 11:54:07 AM



#42
1,2-Dichloroethane
Concen: 42.80 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.0	0.0	20.0		





#43

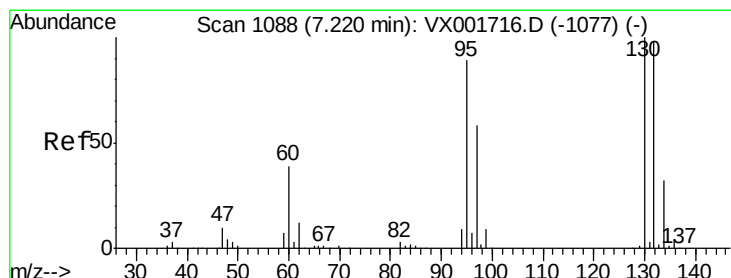
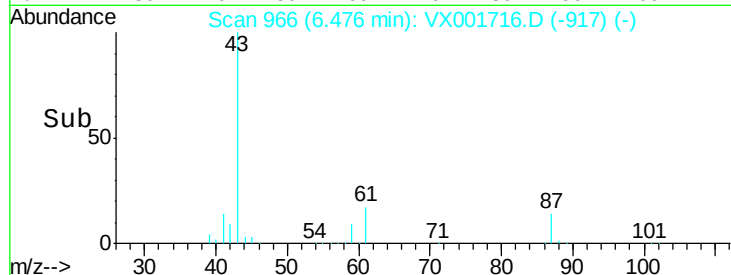
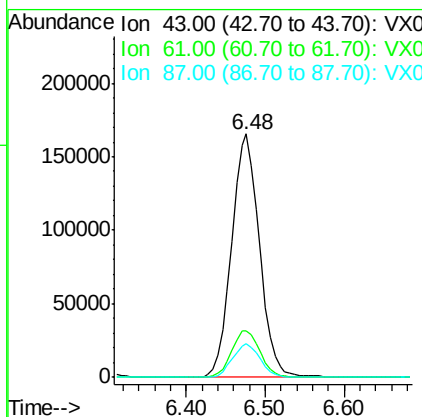
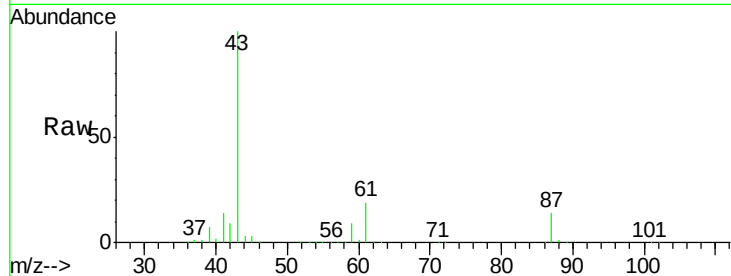
Isopropyl Acetate
 Concen: 45.34 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	13.7	11.0	16.4

Manual Integrations
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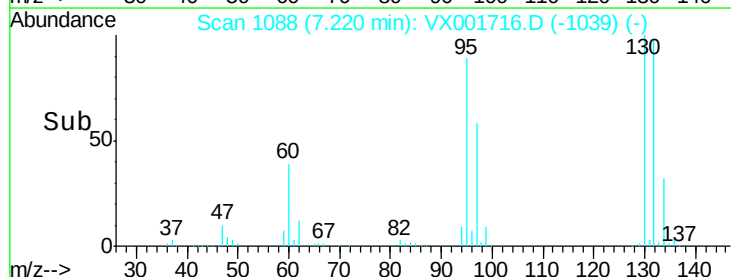
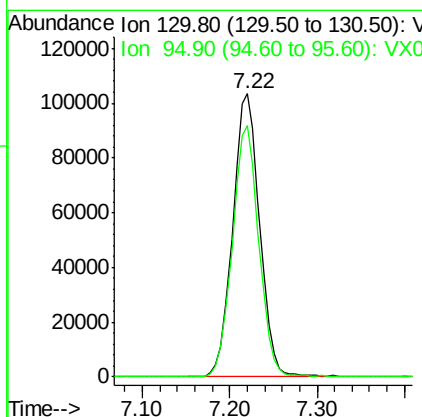
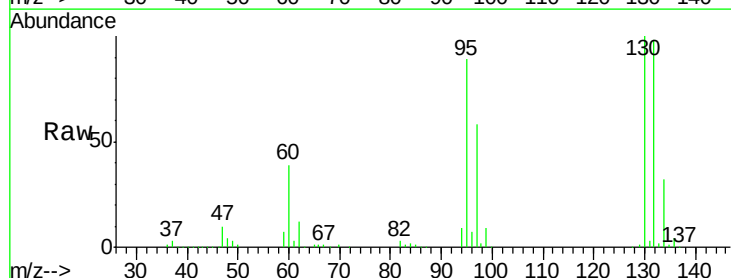
MMDadoda
 5/16/2018 11:54:07 AM

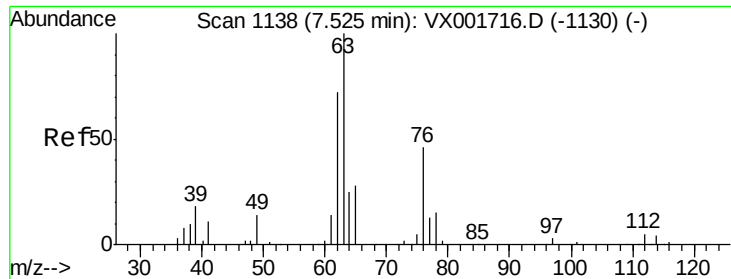


#44

Trichloroethene
 Concen: 46.16 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	177.2





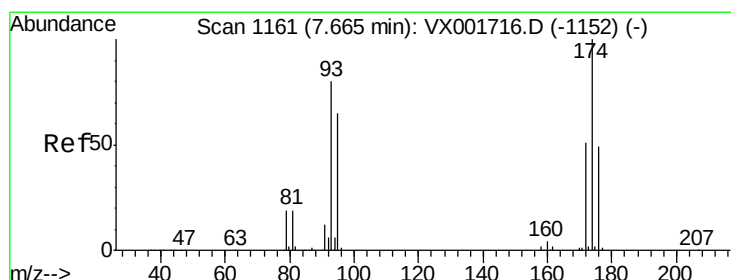
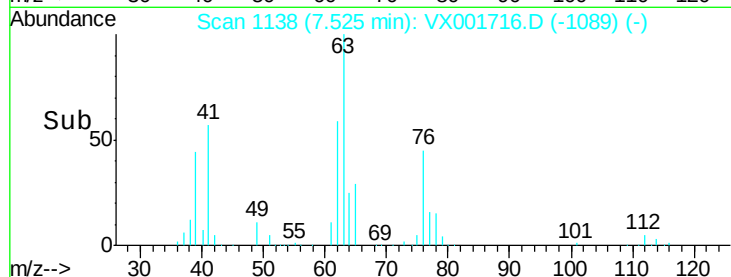
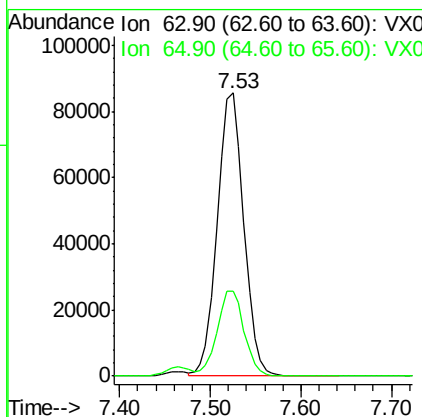
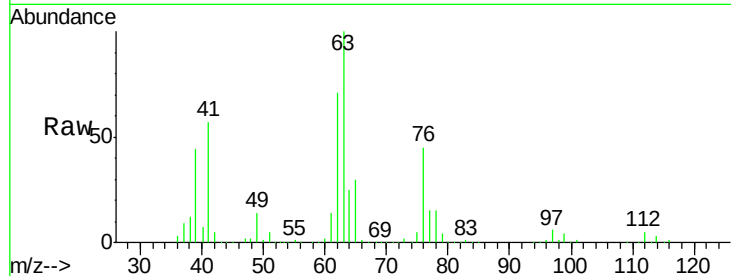
#45
 1,2-Dichloropropane
 Concen: 45.12 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 175431
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.2 36.2

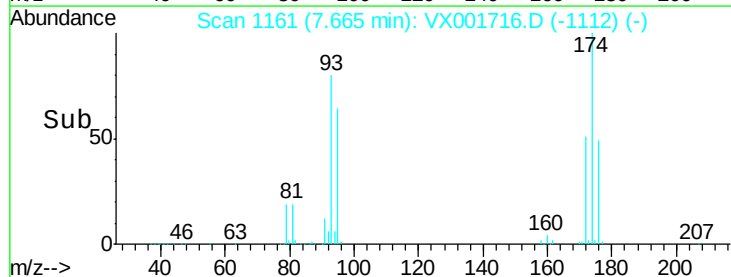
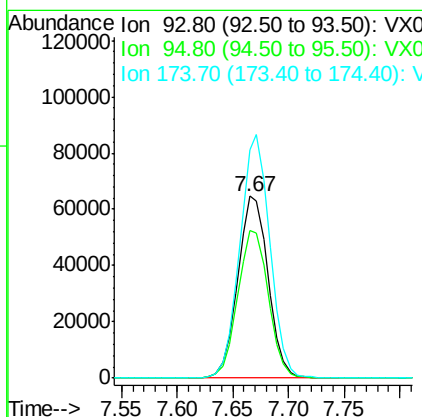
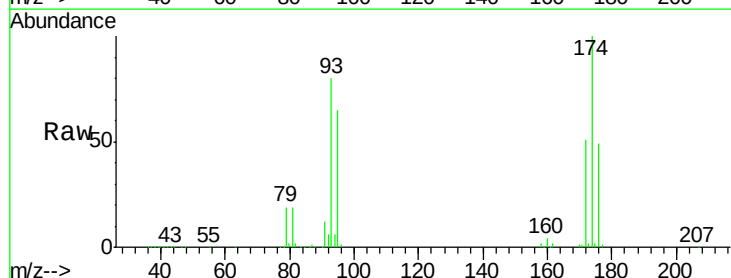
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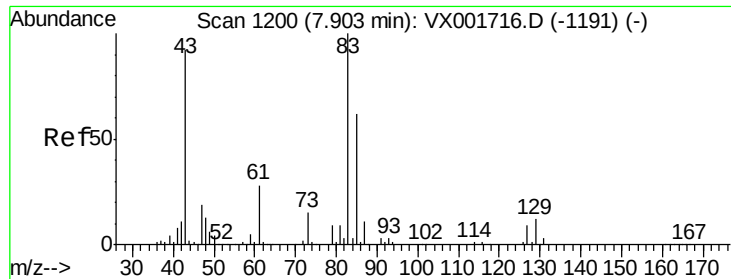
MMDadoda
 5/16/2018 11:54:07 AM



#46
 Dibromomethane
 Concen: 44.55 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Tgt Ion: 93 Resp: 122149
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.9 98.9
 174 132.7 106.2 159.2





#47

Bromodichloromethane

Concen: 46.72 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

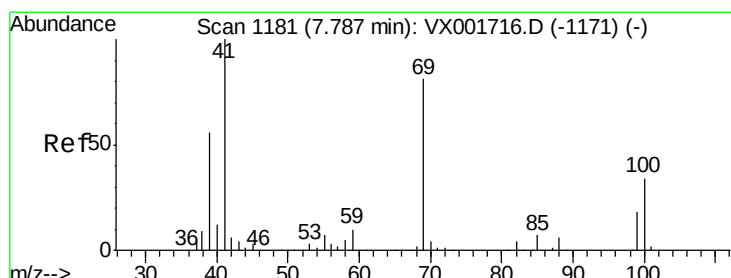
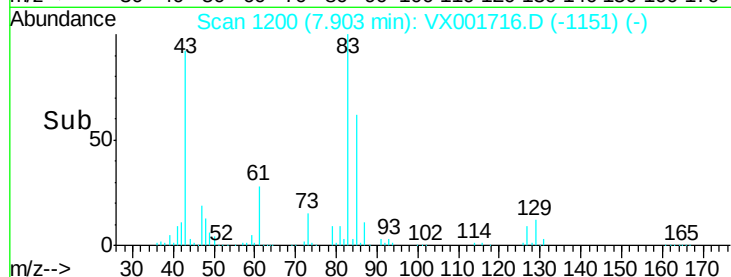
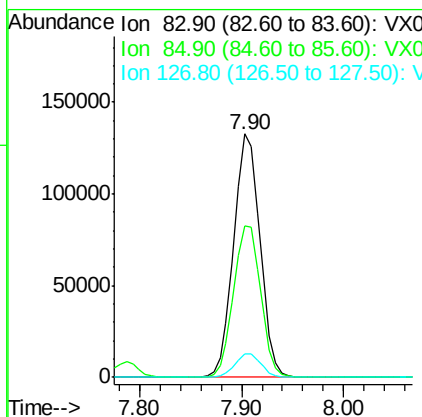
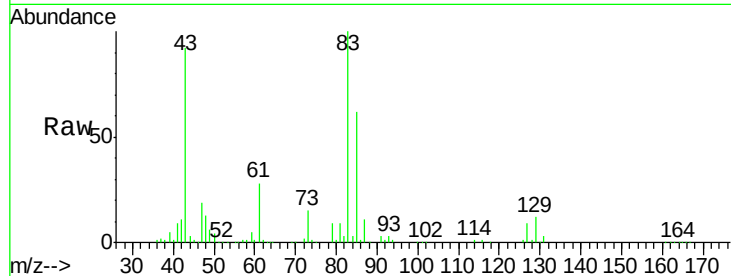
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	236890
Ion Ratio	Lower	Upper	
83	100		
85	62.0	49.6	74.4
127	9.4	7.5	11.3

Manual Integrations
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MMDadoda
5/16/2018 11:54:07 AM



#48

Methyl methacrylate

Concen: 44.54 ug/l

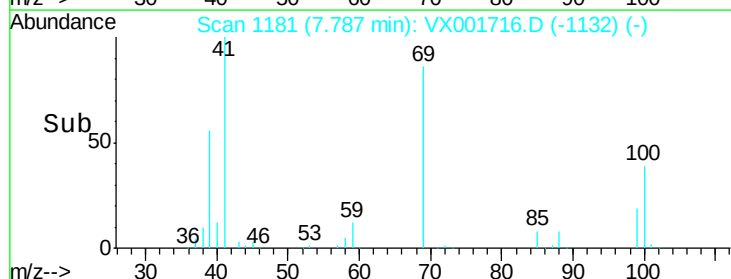
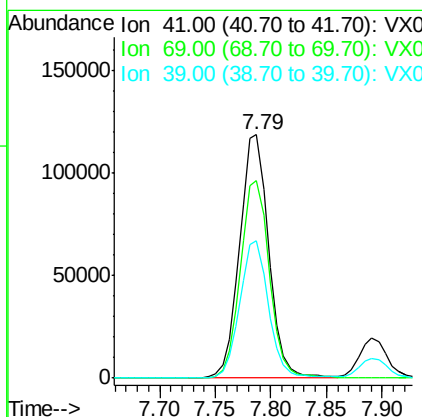
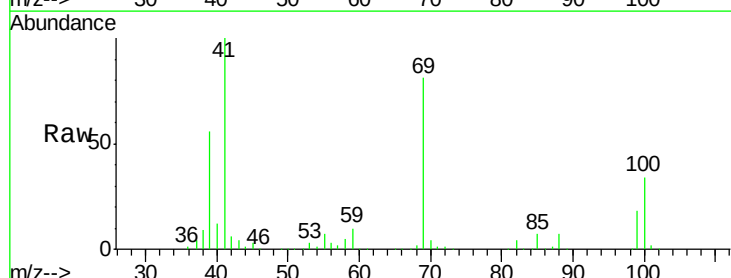
RT: 7.79 min Scan# 1181

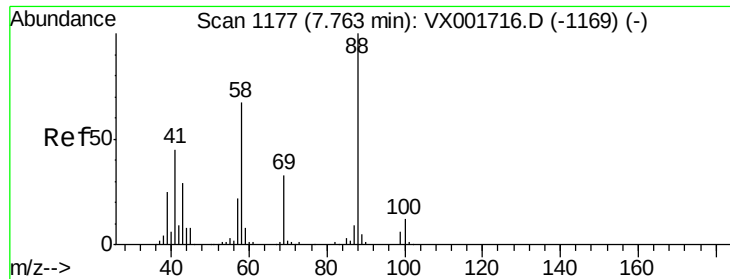
Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Tgt Ion:	41	Resp:	215753
Ion Ratio	Lower	Upper	
41	100		
69	81.5	65.2	97.8
39	55.6	44.5	66.7





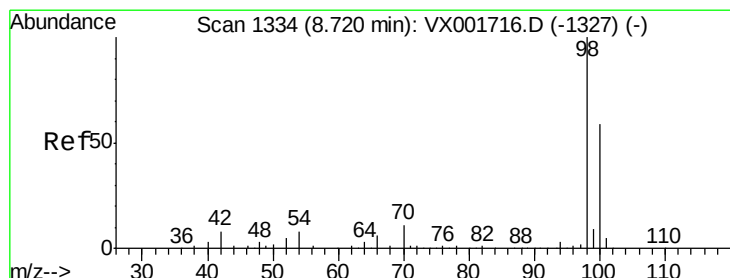
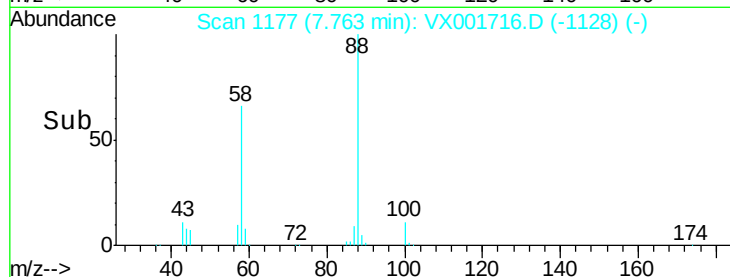
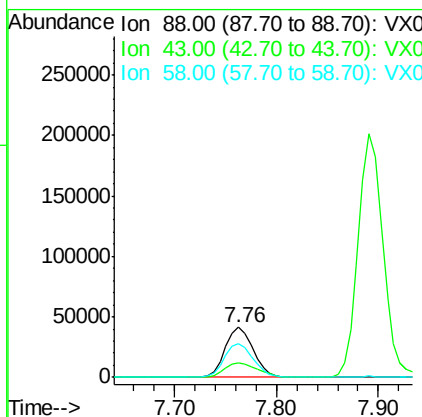
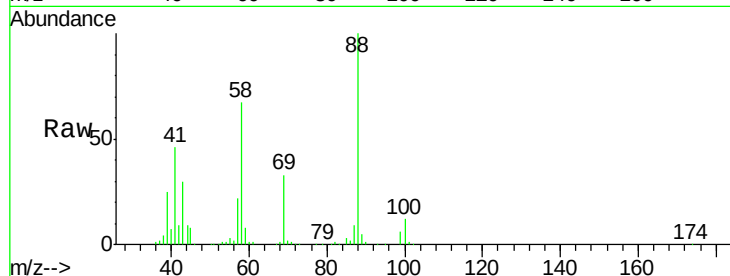
#49
1,4-Dioxane
Concen: 774.86 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	27.3	40.9
58	69.9	55.9	83.9

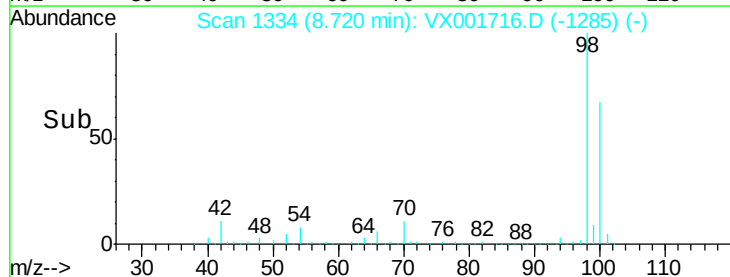
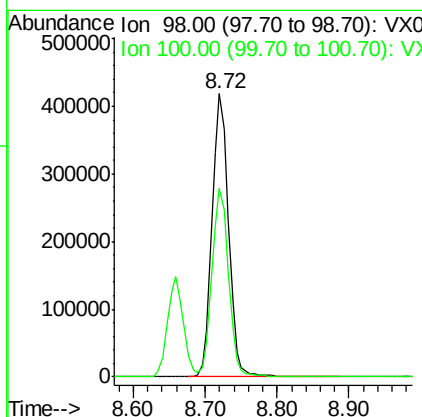
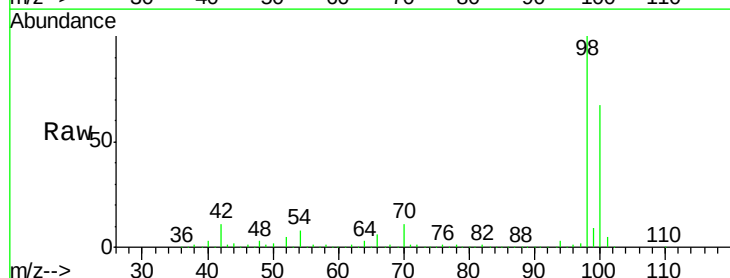
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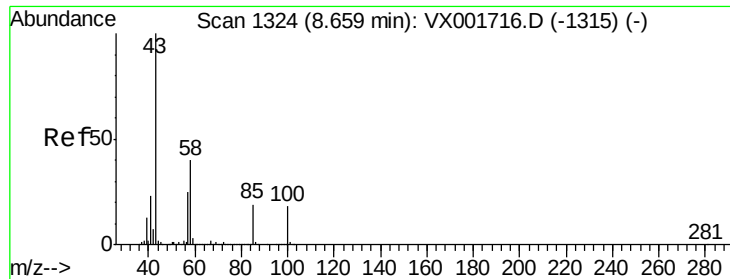
MMDadoda
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#50
Toluene-d8
Concen: 48.20 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	54.0	81.0





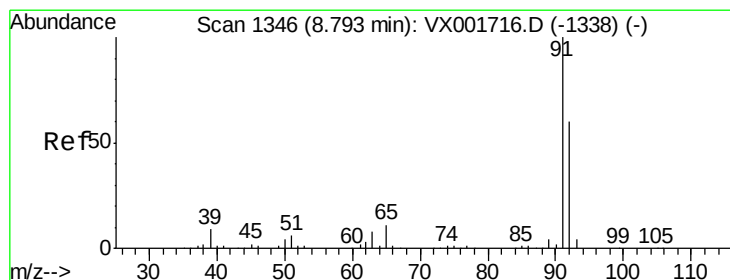
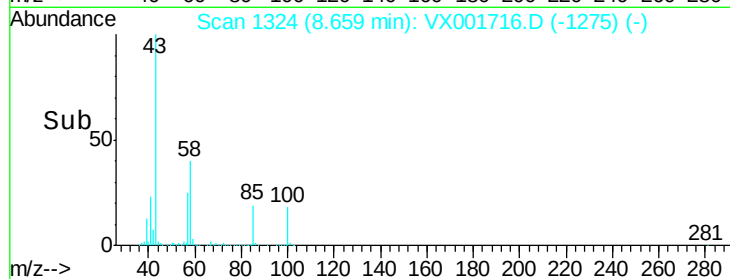
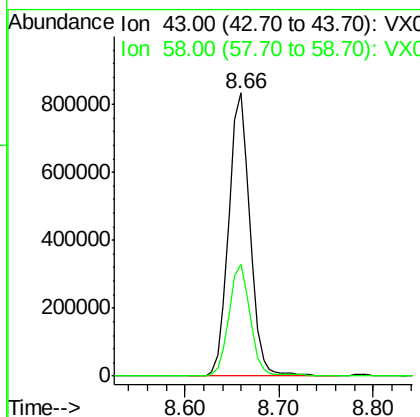
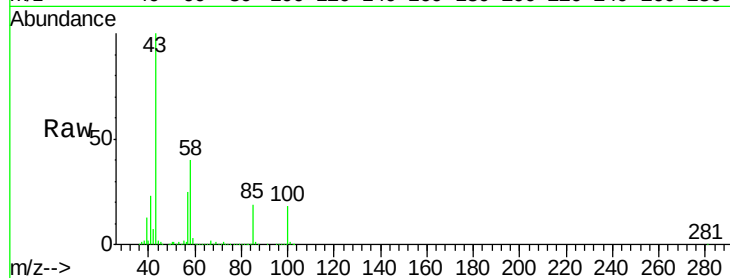
#51
 4-Methyl-2-Pentanone
 Concen: 221.63 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 1310355
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.4 47.0

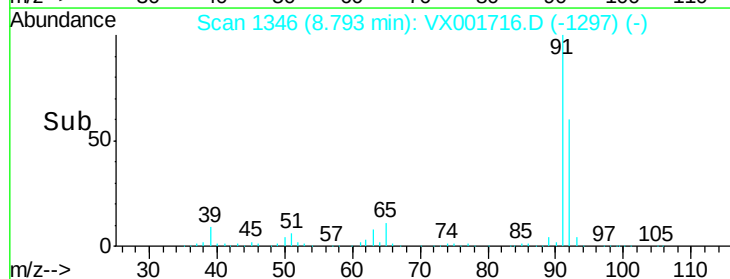
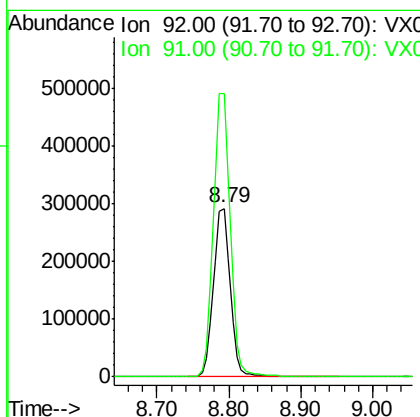
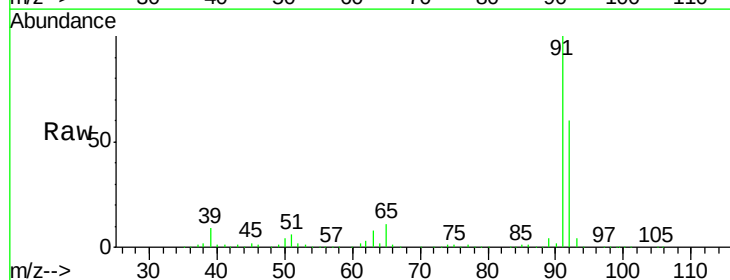
Manual Integrations
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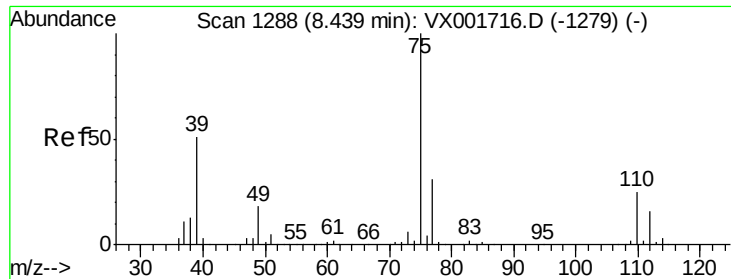
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#52
 Toluene
 Concen: 46.21 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Tgt Ion: 92 Resp: 470850
 Ion Ratio Lower Upper
 92 100
 91 169.4 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 49.70 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Tot Ion: 75 Resp: 286202

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

Instrument :

MSVOA_X

ClientSampleId :

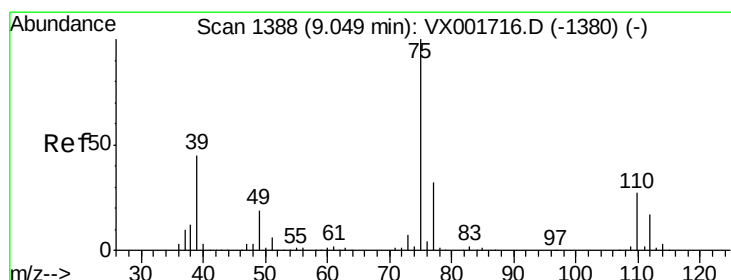
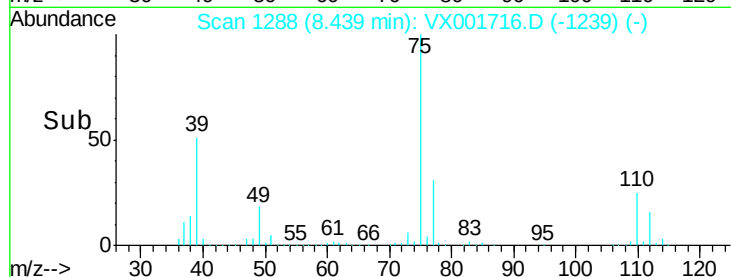
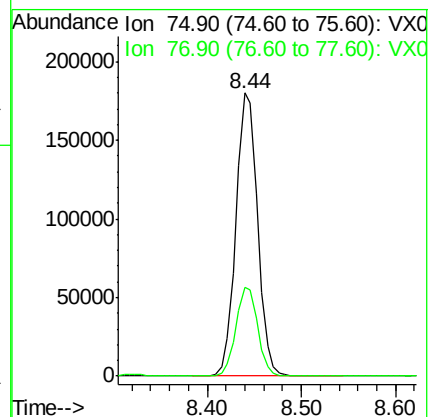
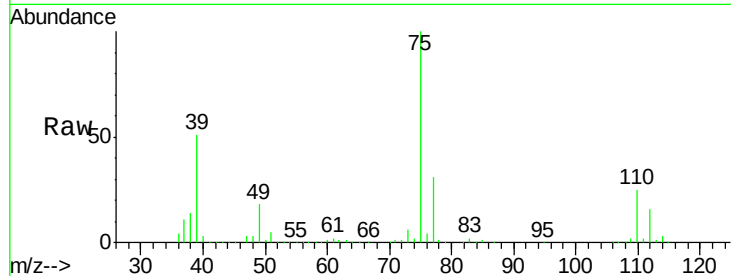
VSTDICCC050

Manual Integrations

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5/16/2018 11:54:07 AM



#54

cis-1,3-Dichloropropene

Concen: 47.09 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

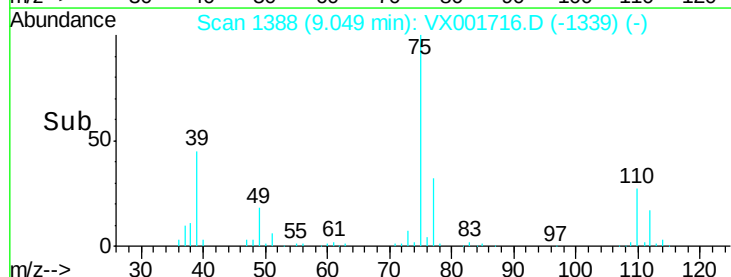
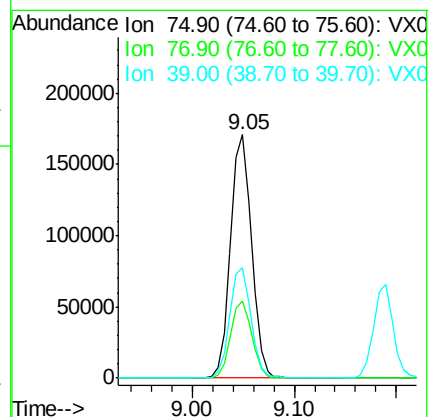
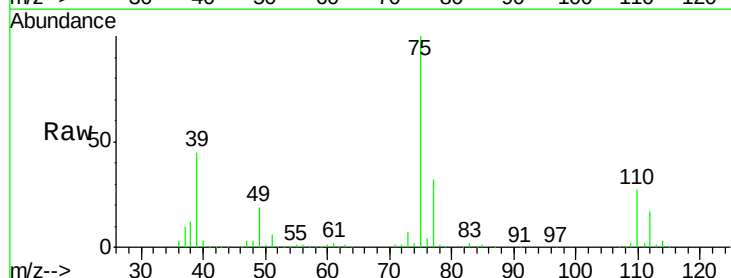
Tgt Ion: 75 Resp: 243495

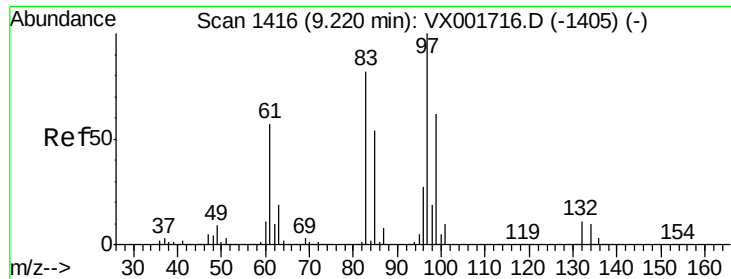
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

39 45.1 36.1 54.1





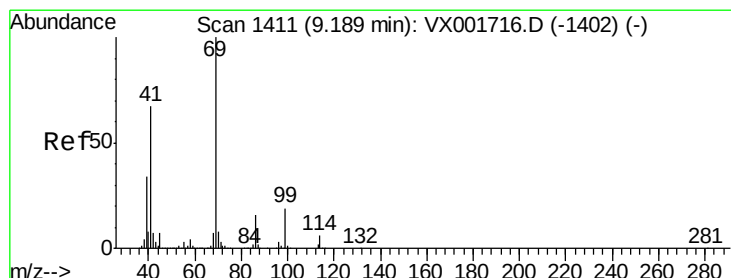
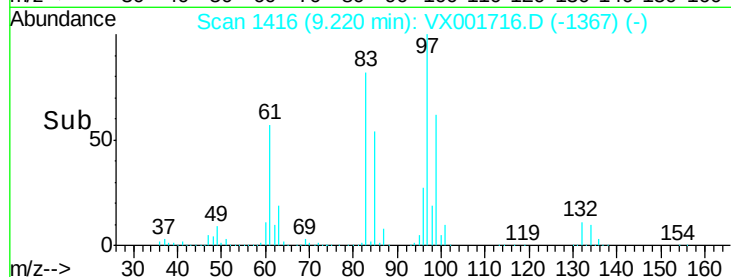
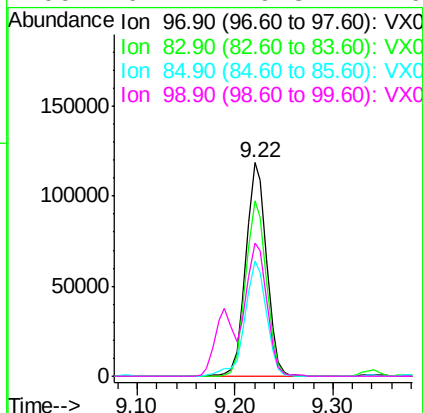
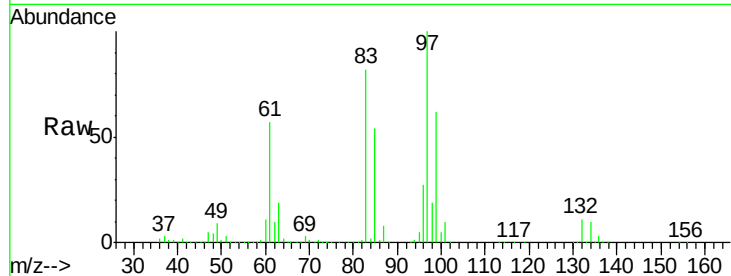
#55
 1,1,2-Trichloroethane
 Concen: 42.91 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	174609
Ion	Ratio	Lower	Upper
97	100		
83	82.3	65.8	98.8
85	54.2	43.4	65.0
99	62.2	49.8	74.6

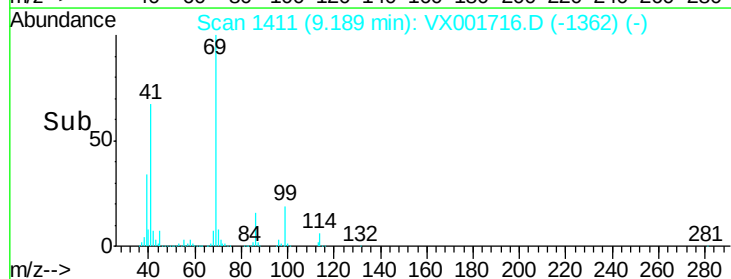
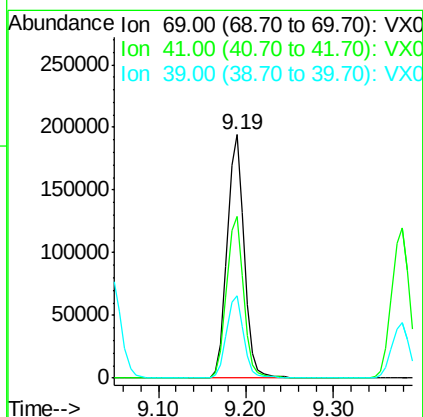
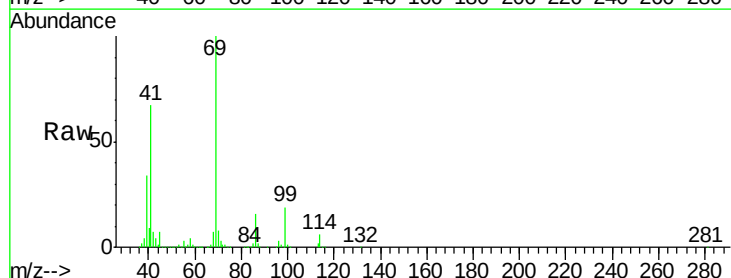
Manual Integrations
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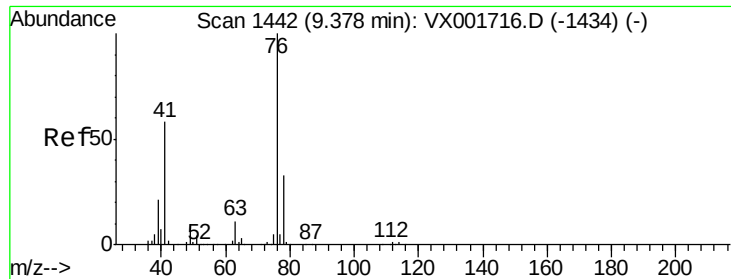
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 44.75 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Tgt Ion:	69	Resp:	261529
Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.5	80.3
39	34.0	27.2	40.8





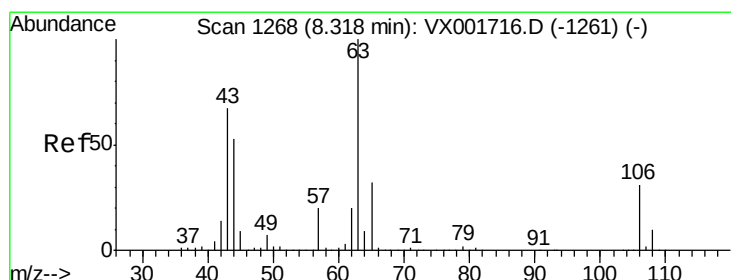
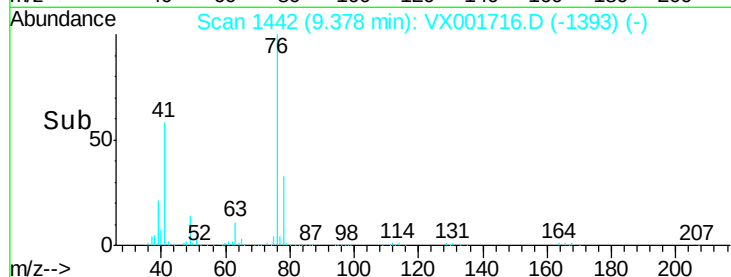
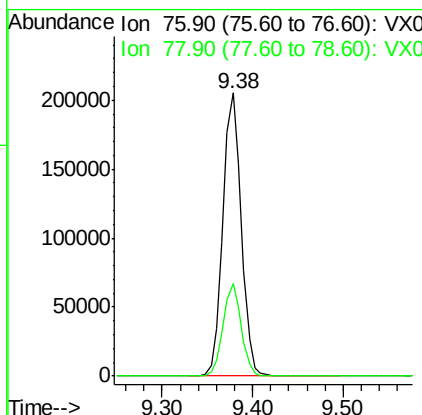
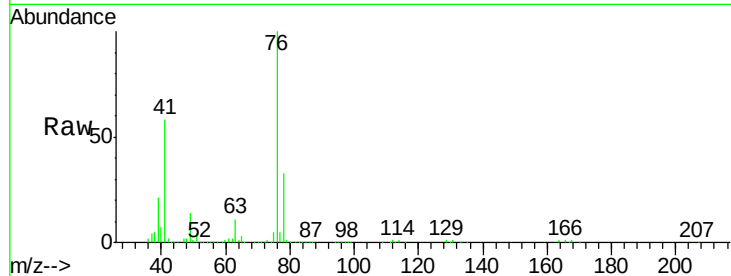
#57
 1,3-Dichloropropane
 Concen: 43.18 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

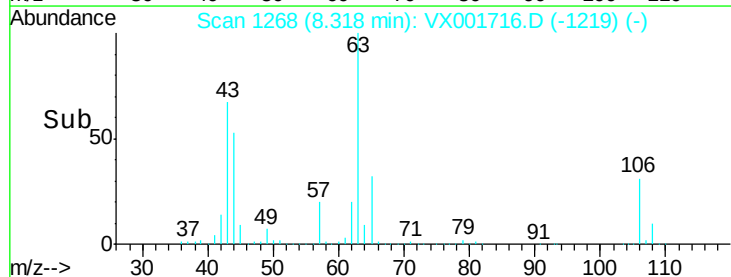
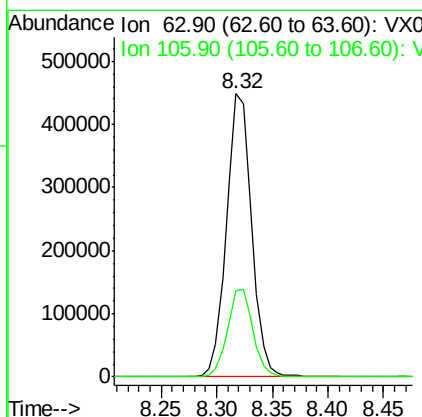
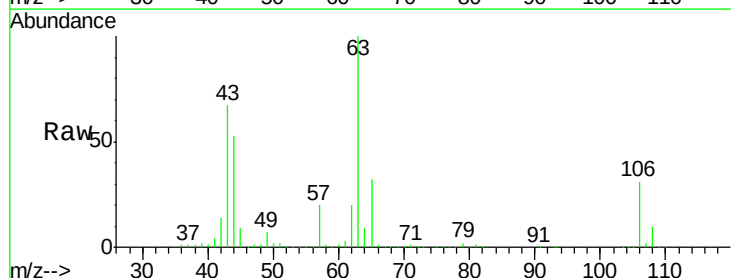
Manual Integrations
 APPROVED

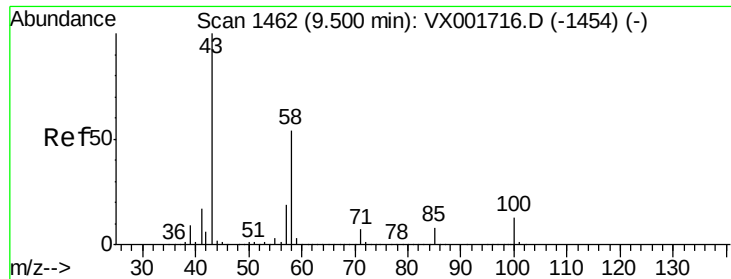
MMDadoda
 5/16/2018 11:54:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.30 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.4	25.1	37.7





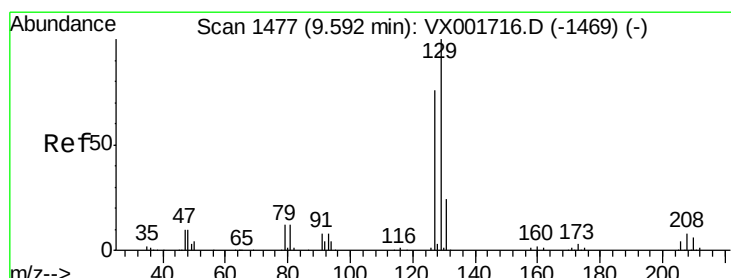
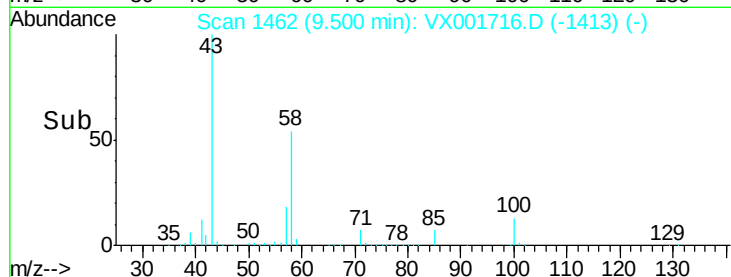
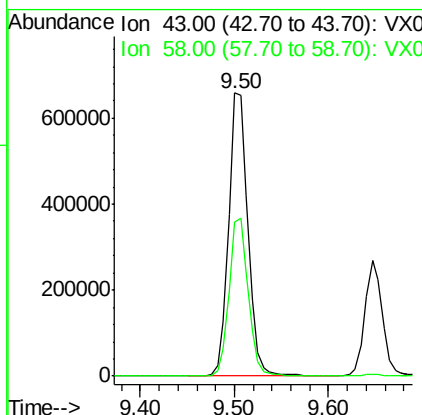
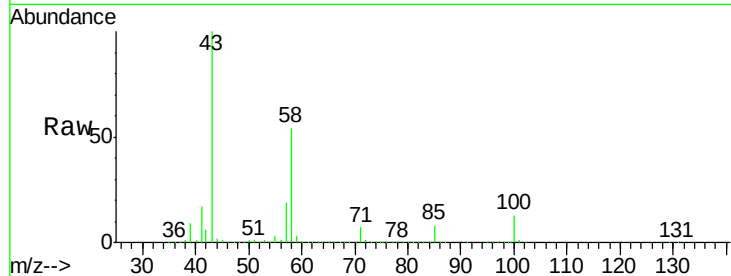
#59
2-Hexanone
Concen: 209.28 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.7	83.1

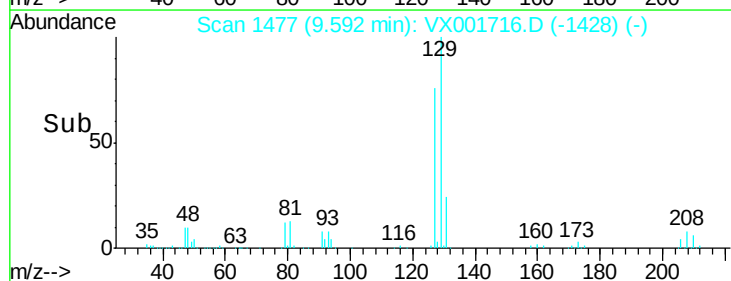
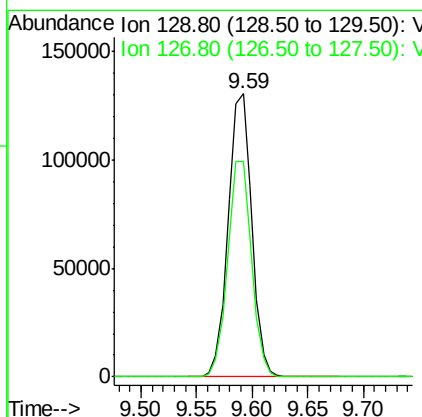
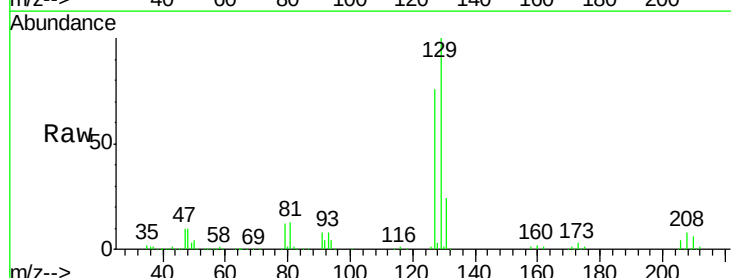
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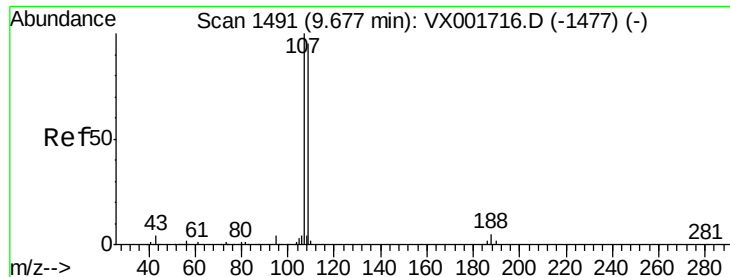
MMDadoda
5/16/2018 11:54:07 AM



#60
Dibromochloromethane
Concen: 46.08 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.7	116.1





#61

1,2-Dibromoethane

Concen: 43.88 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 186849

Ion Ratio Lower Upper

107 100

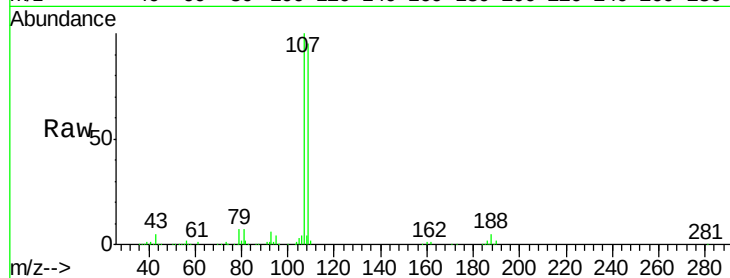
109 95.2 76.2 114.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

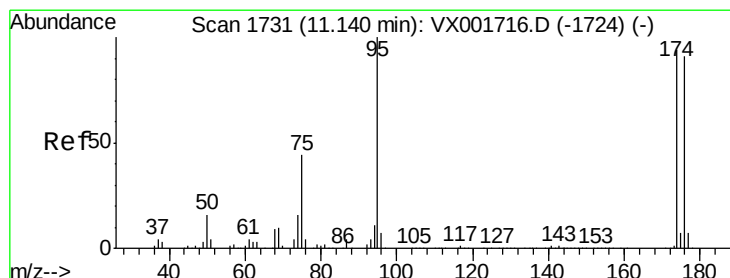
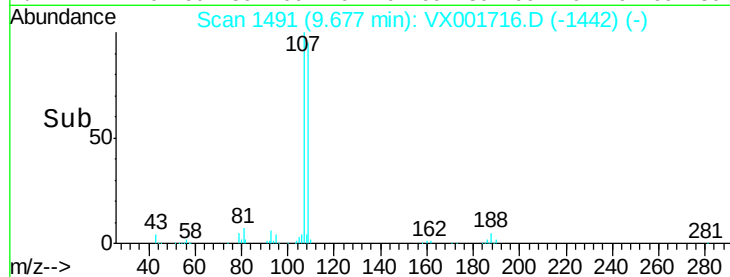
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

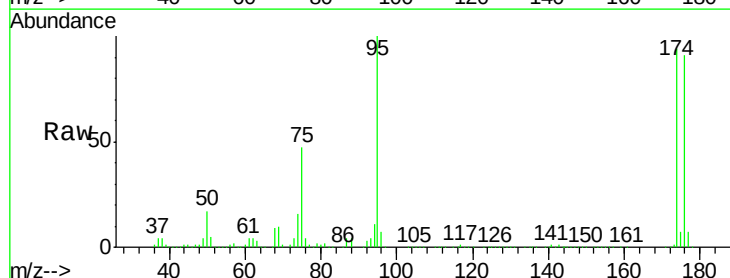
Tgt Ion: 95 Resp: 231889

Ion Ratio Lower Upper

95 100

174 100.9 0.0 201.8

176 98.4 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

250000

200000

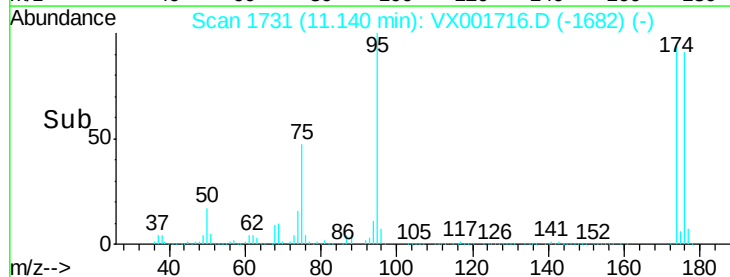
150000

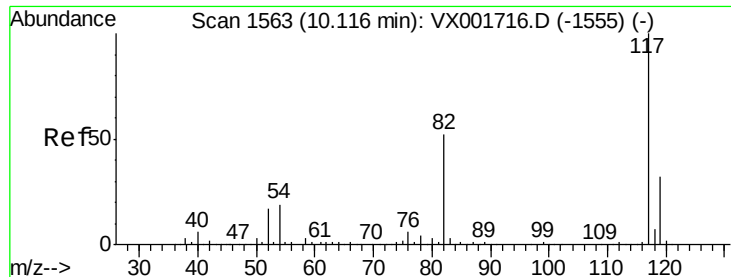
100000

50000

0

Time-->





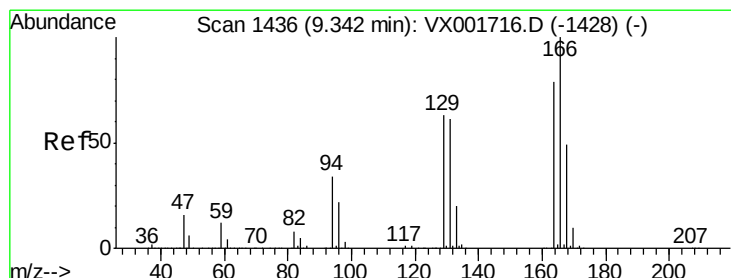
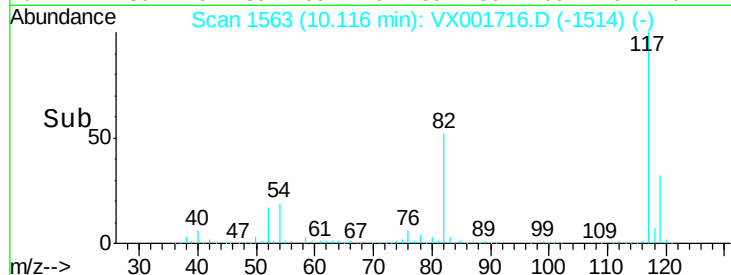
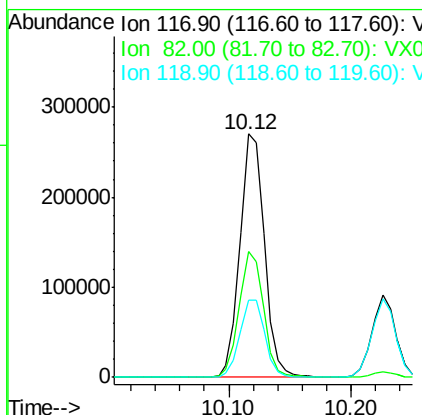
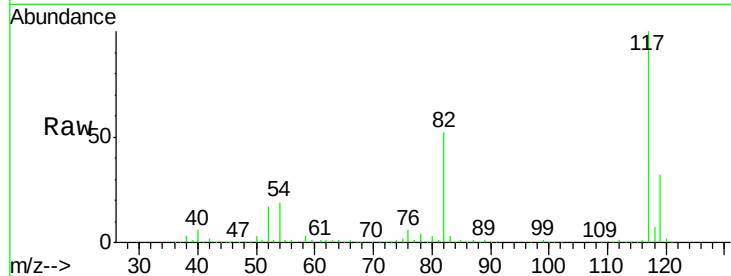
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.4	62.2
119	32.0	25.6	38.4

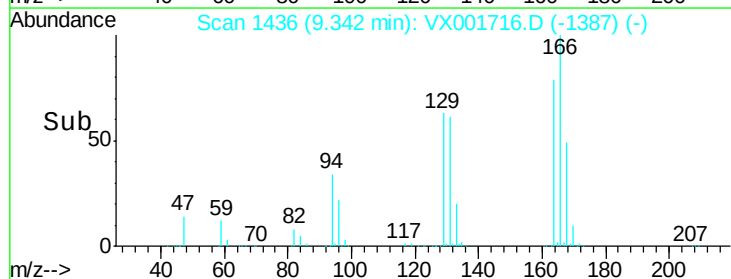
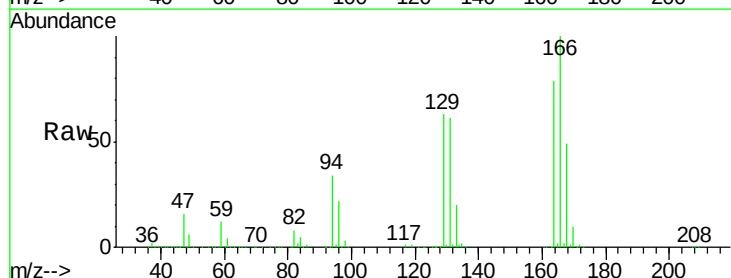
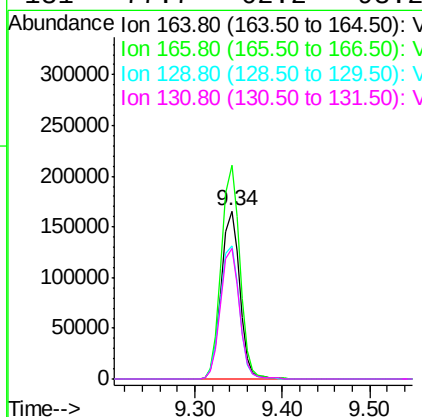
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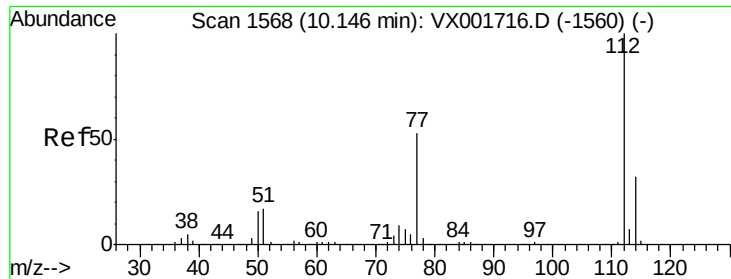
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#64
Tetrachloroethene
Concen: 46.86 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.8	152.8
129	79.7	63.8	95.6
131	77.7	62.2	93.2





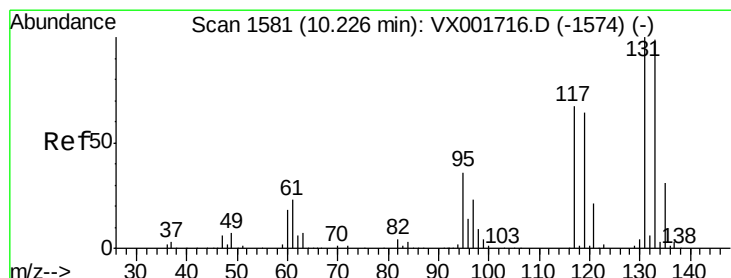
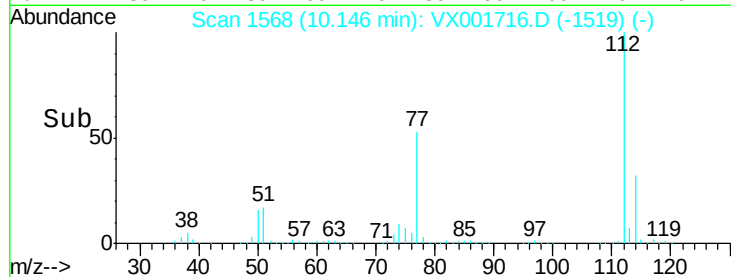
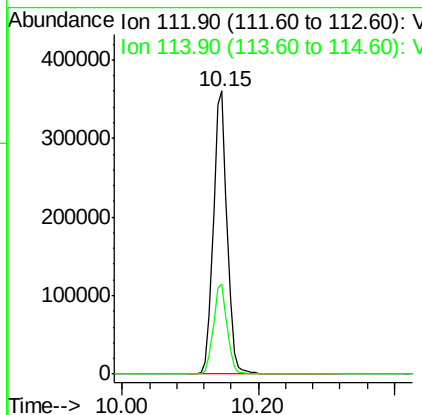
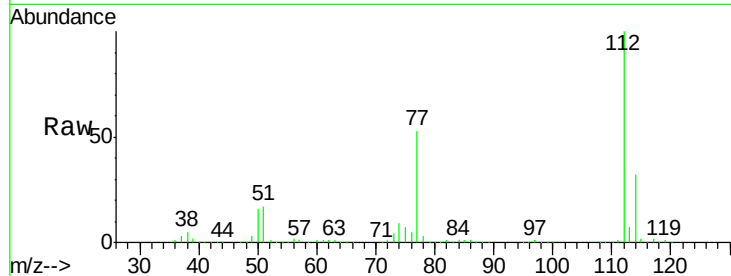
#65
Chlorobenzene
Concen: 46.25 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 504298
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

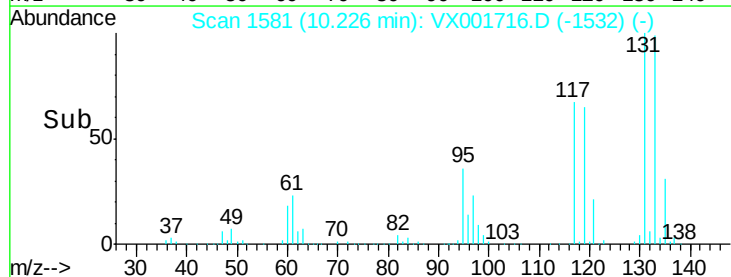
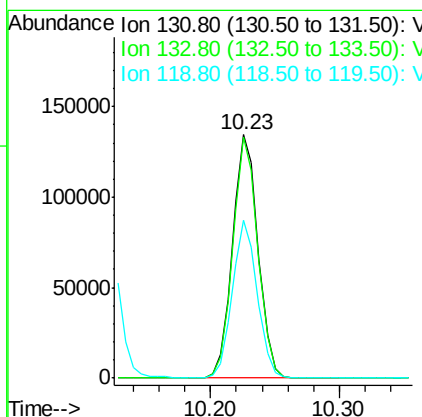
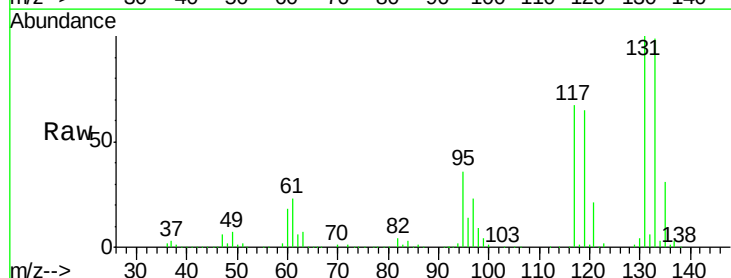
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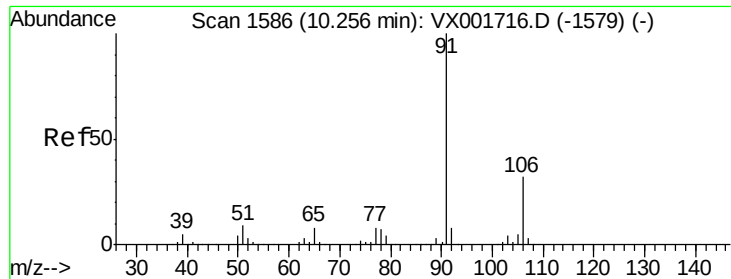
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.56 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion:131 Resp: 184934
Ion Ratio Lower Upper
131 100
133 97.1 48.5 145.6
119 63.7 31.9 95.5





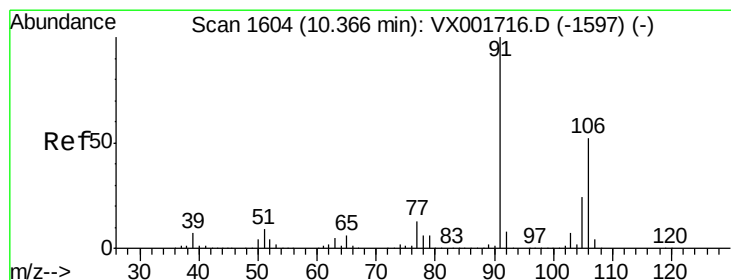
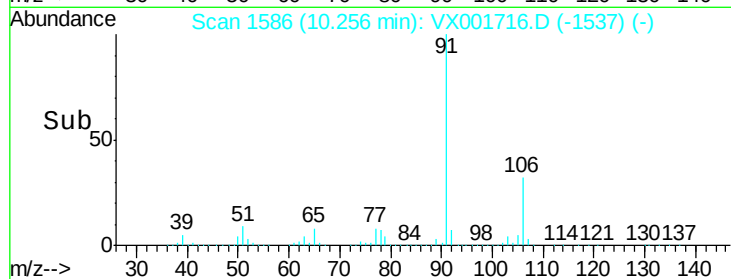
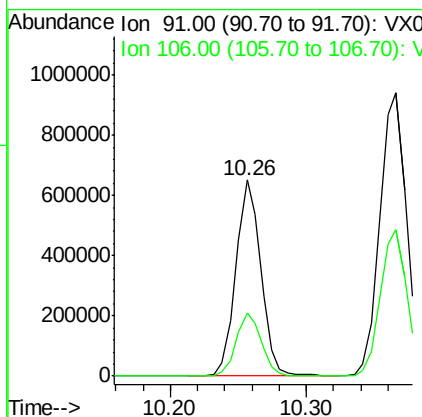
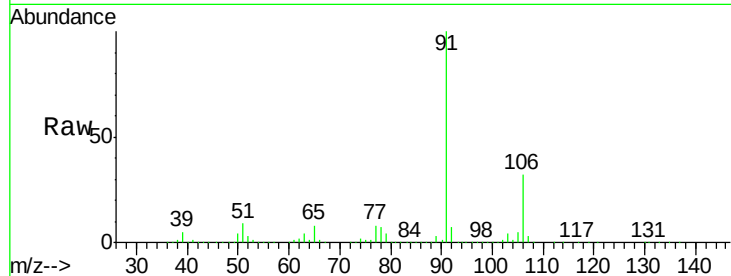
#67
Ethyl Benzene
Concen: 46.82 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 835869
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5

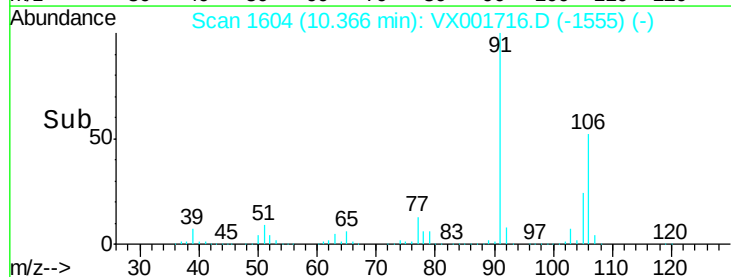
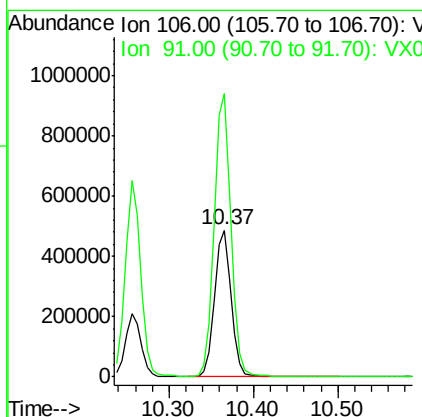
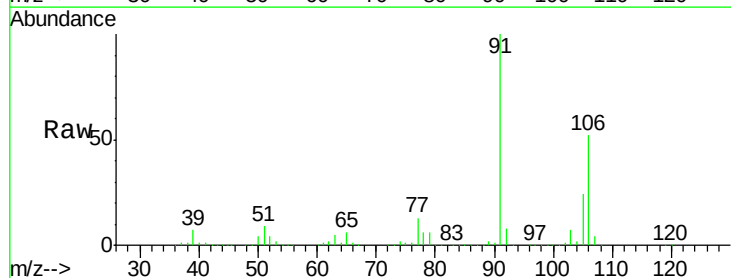
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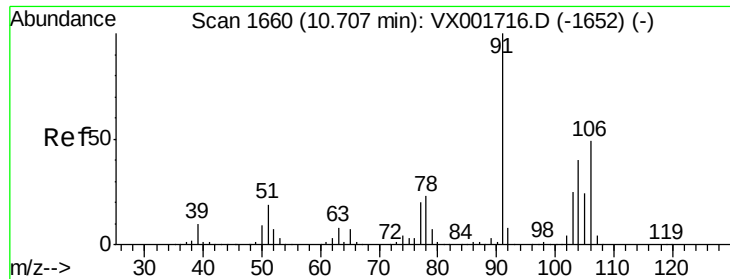
MMDadoda
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#68
m/p-Xylenes
Concen: 94.77 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion: 106 Resp: 667881
Ion Ratio Lower Upper
106 100
91 194.3 155.4 233.2





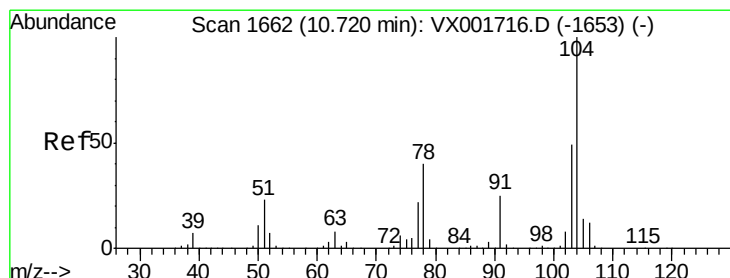
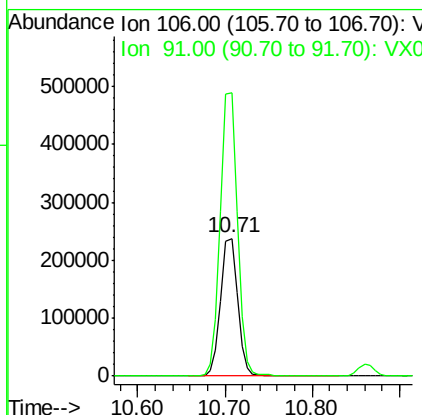
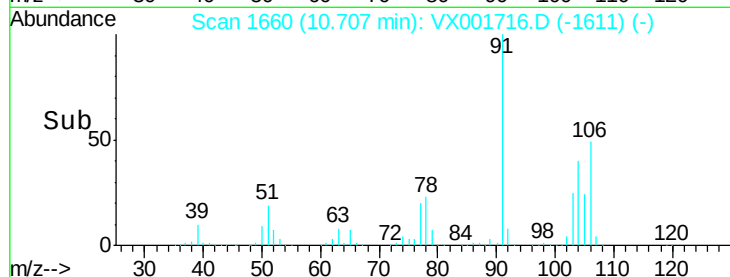
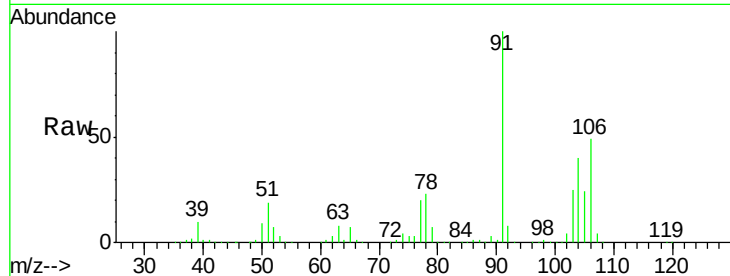
#69
o-Xylene
Concen: 46.99 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 321020
Ion Ratio Lower Upper
106 100
91 206.8 103.4 310.2

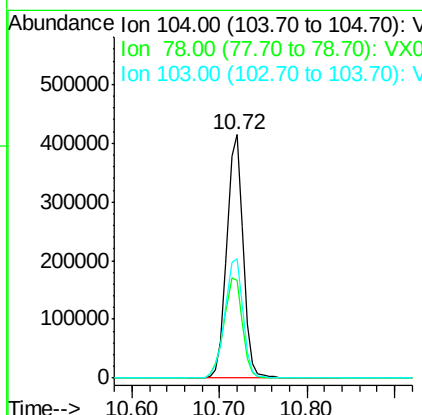
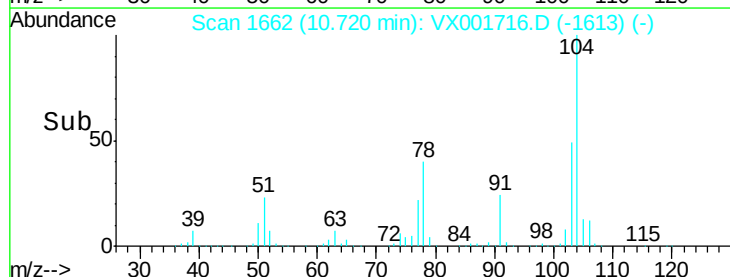
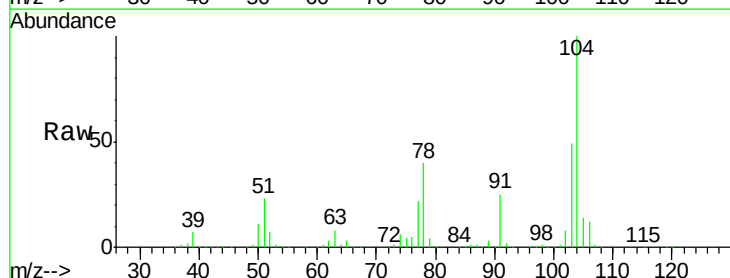
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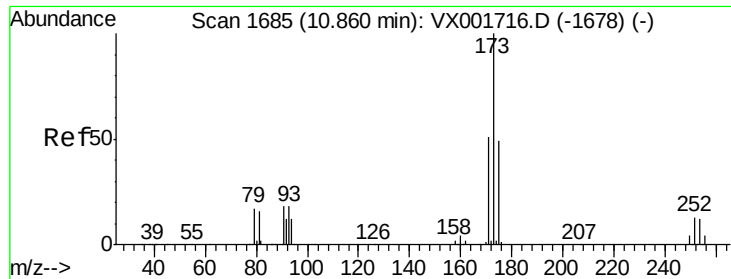
MMDadoda
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#70
Styrene
Concen: 48.24 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion:104 Resp: 536425
Ion Ratio Lower Upper
104 100
78 46.6 37.3 55.9
103 54.6 43.7 65.5





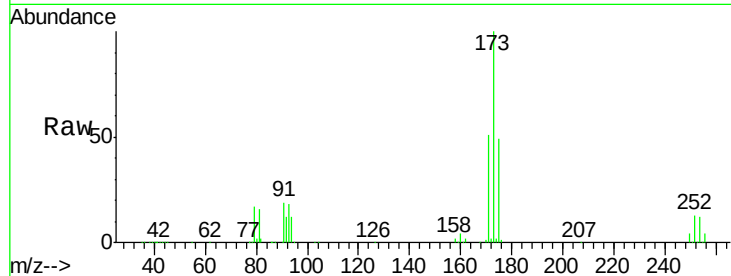
#71
Bromoform
Concen: 49.30 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

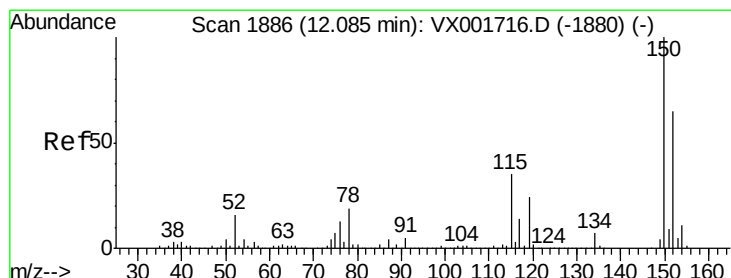
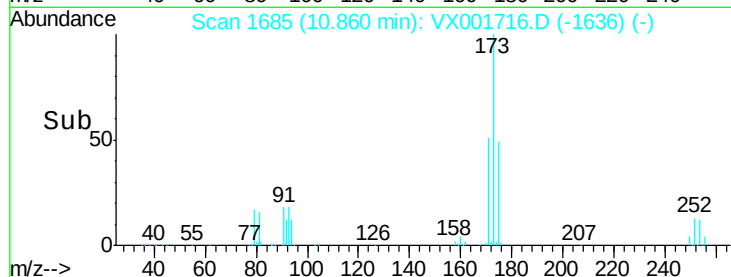
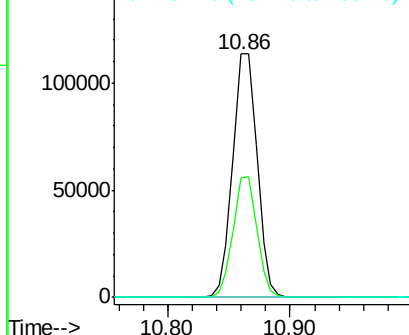
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.2	0.2	0.2

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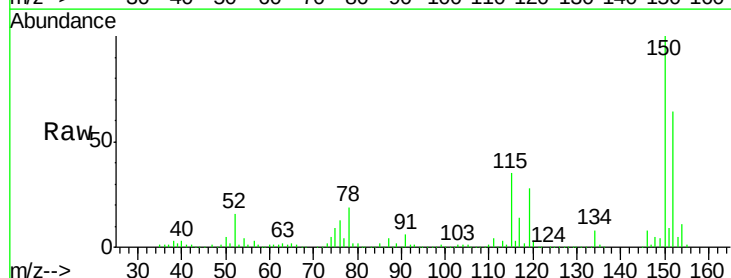


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

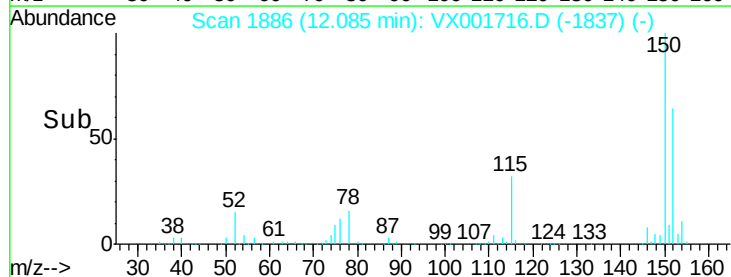
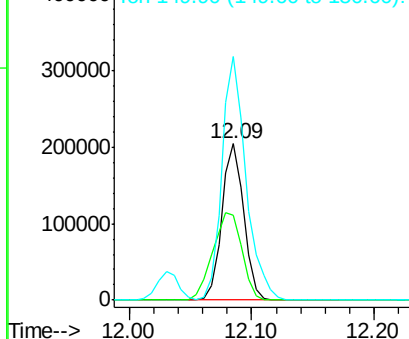


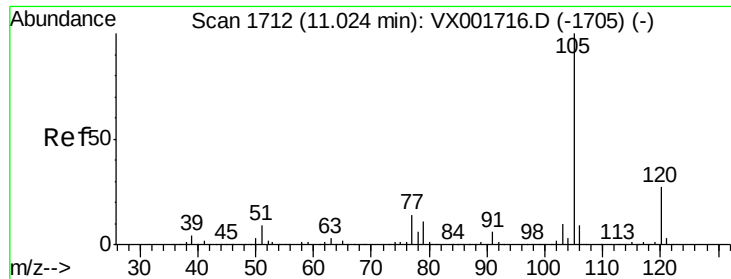
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.8	37.4	112.2
150	172.4	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: 48.94 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 854405

Ion Ratio Lower Upper

105 100

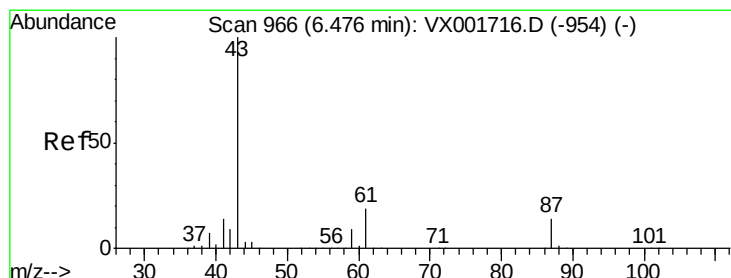
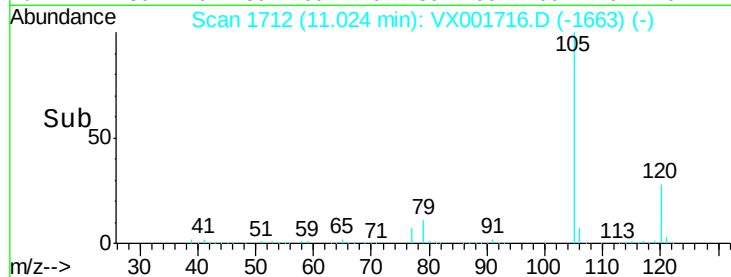
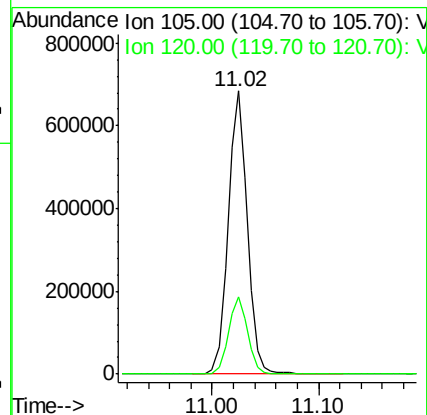
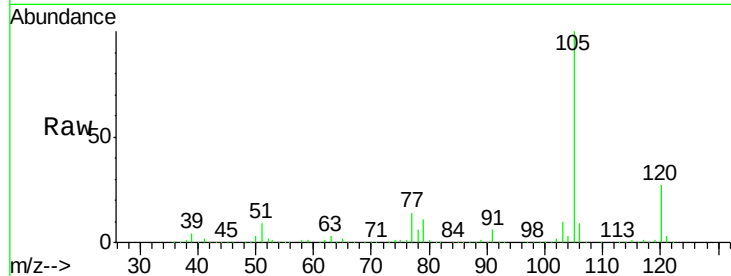
120 27.5 13.8 41.3

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#74

N-ethyl acetate

Concen: 50.48 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Tgt Ion: 43 Resp: 404657

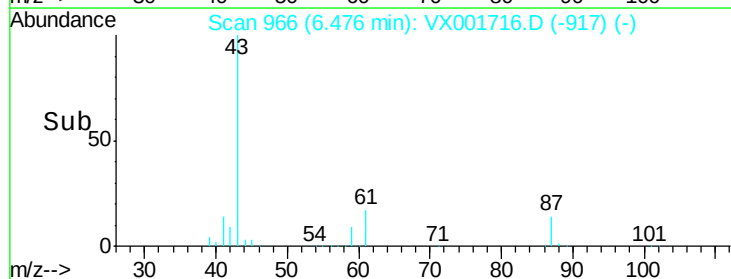
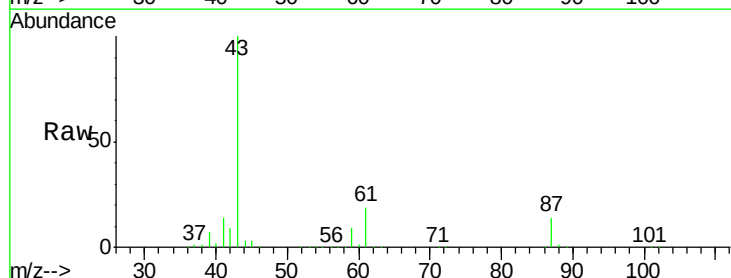
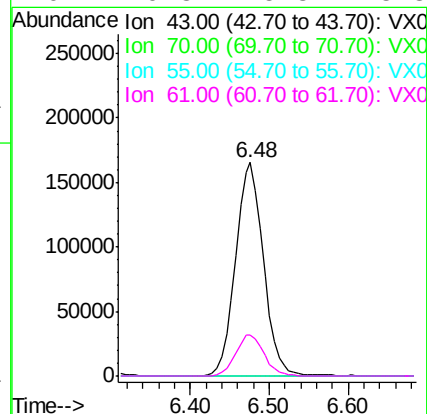
Ion Ratio Lower Upper

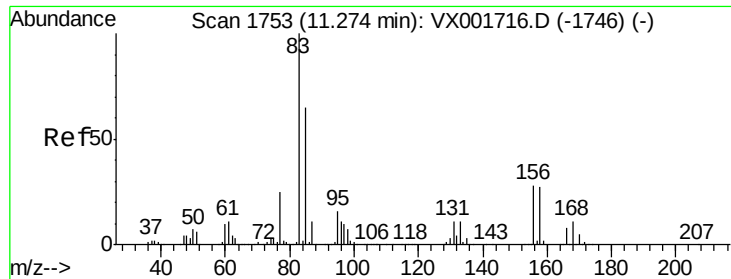
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 19.8 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.07 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 242487
Ion Ratio Lower Upper

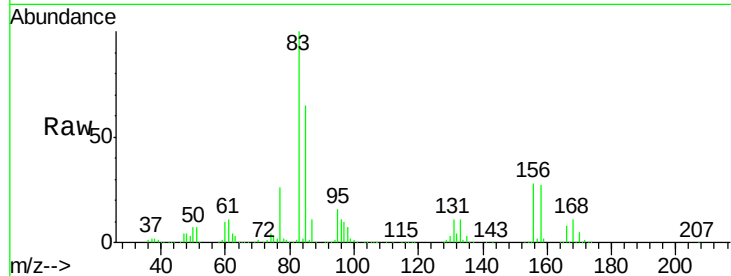
83 100

131 11.3 5.7 17.0

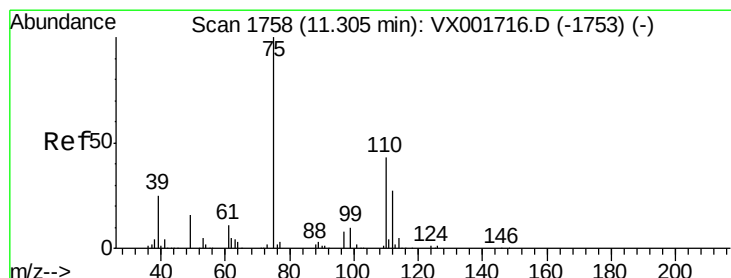
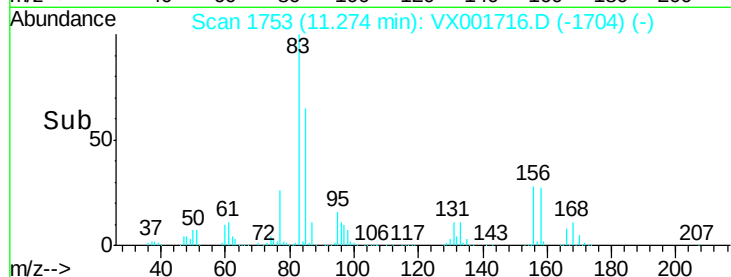
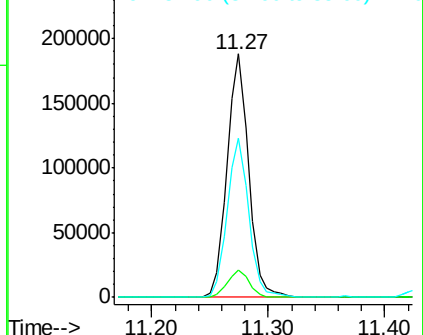
85 65.4 32.7 98.1

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 48.13 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

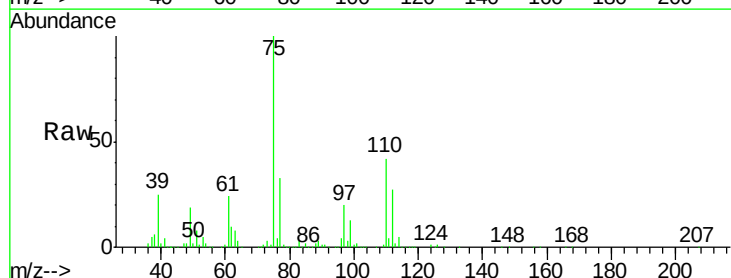
Lab File: VX001716.D

Acq: 14 May 2018 18:16

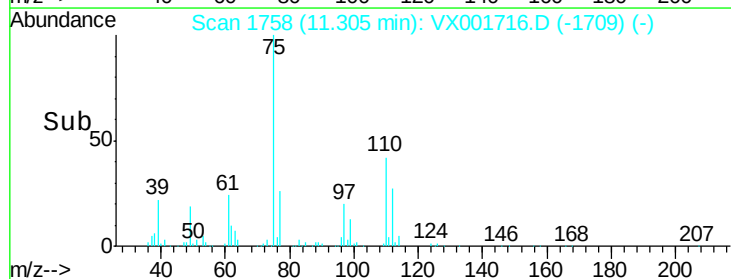
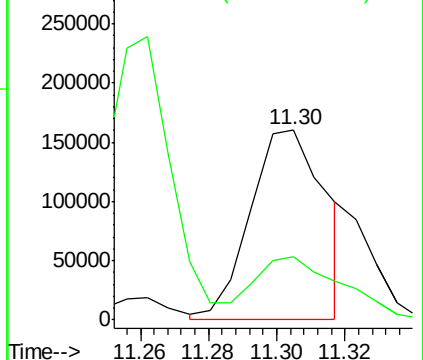
Tgt Ion: 75 Resp: 246688
Ion Ratio Lower Upper

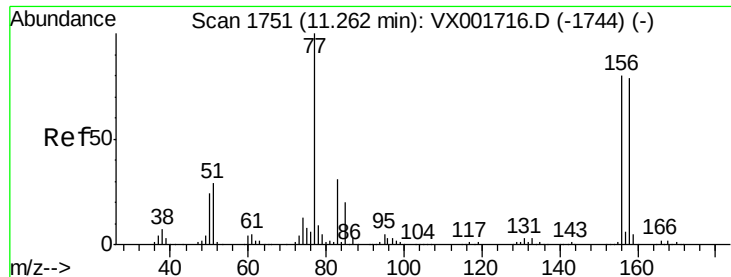
75 100

77 37.8 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.03 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 244565

Ion Ratio Lower Upper

156 100

77 130.7 65.3 196.0

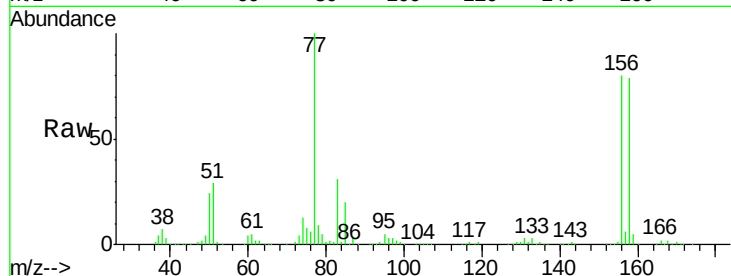
158 98.2 49.1 147.3

Manual Integrations

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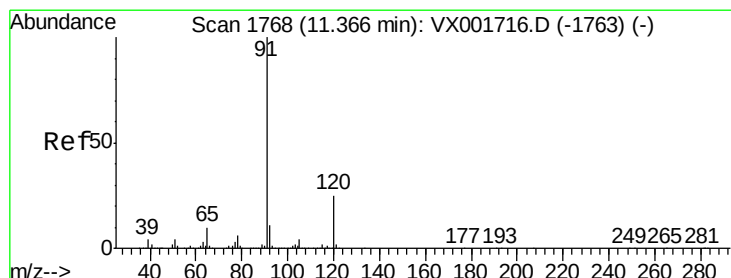
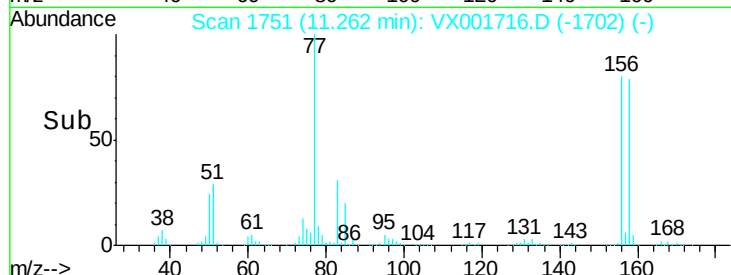
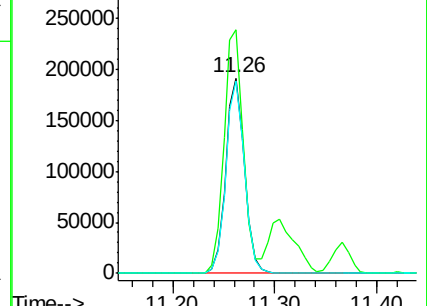
5/16/2018 11:54:07 AM



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: 50.16 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001716.D

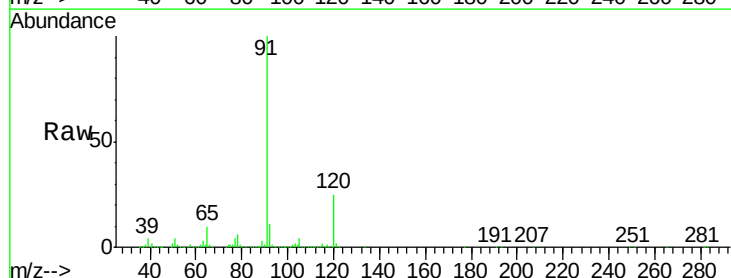
Acq: 14 May 2018 18:16

Tgt Ion: 91 Resp: 955428

Ion Ratio Lower Upper

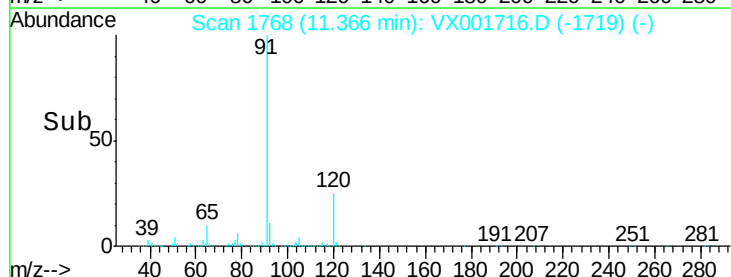
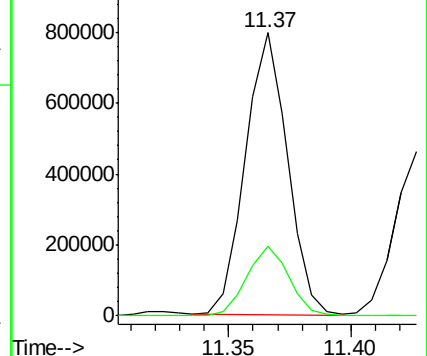
91 100

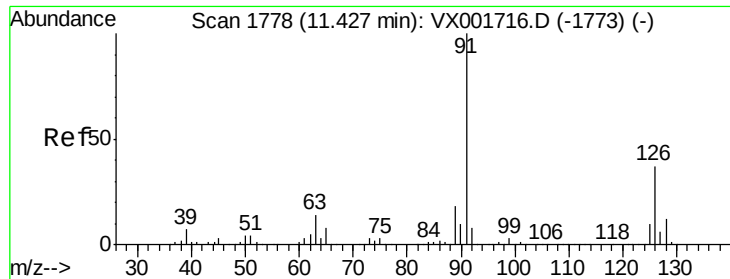
120 25.0 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





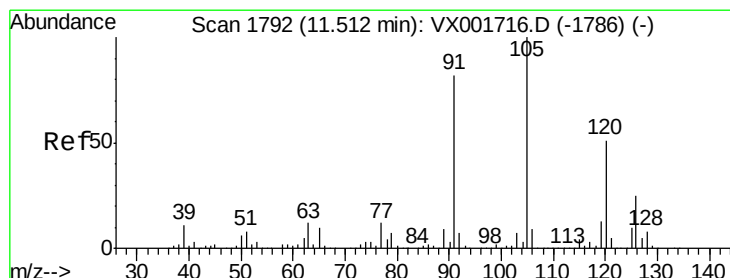
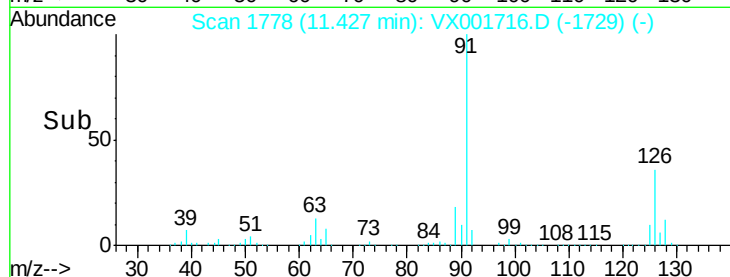
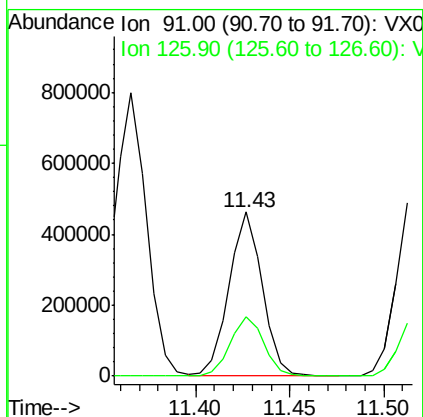
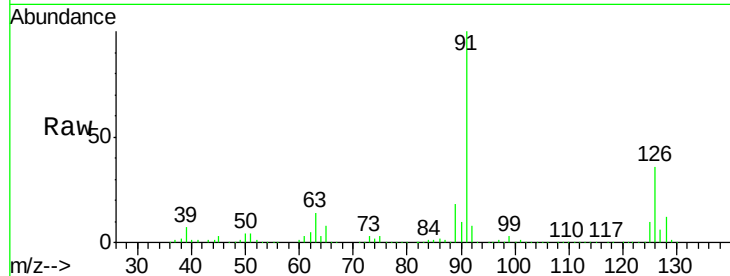
#79
 2-Chlorotoluene
 Concen: 48.13 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion: 91 Resp: 562078
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.4 55.4

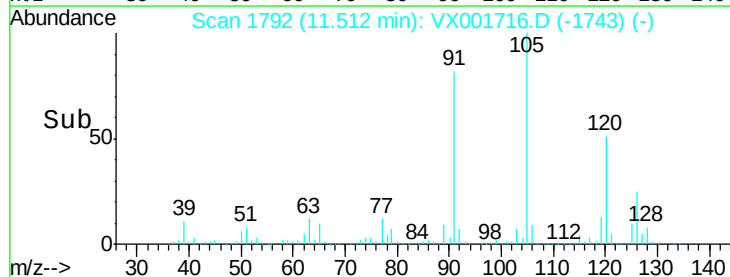
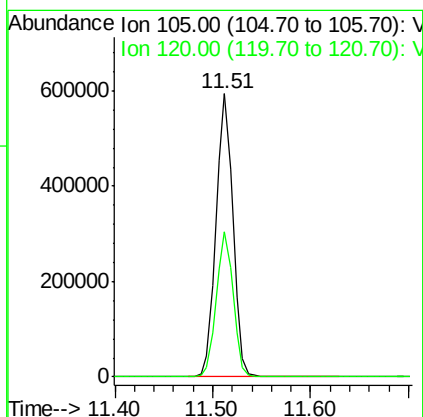
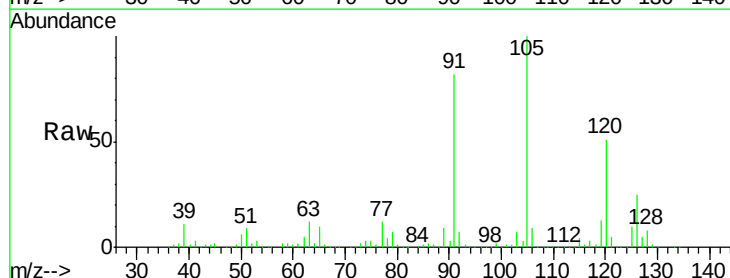
Manual Integrations
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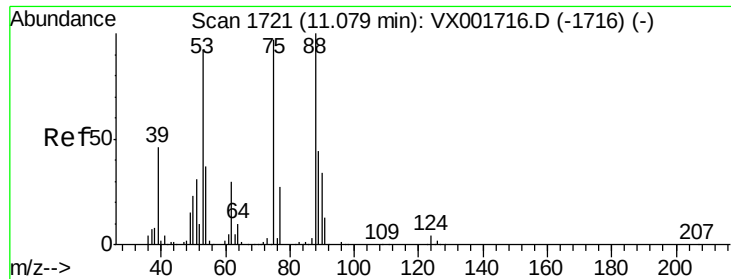
MMDadoda
 5/16/2018 11:54:07 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.03 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Tgt Ion: 105 Resp: 711400
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.7 77.0





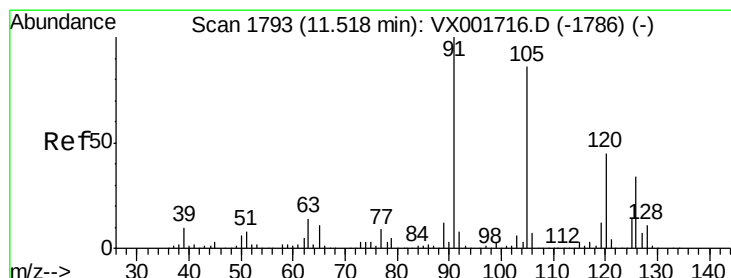
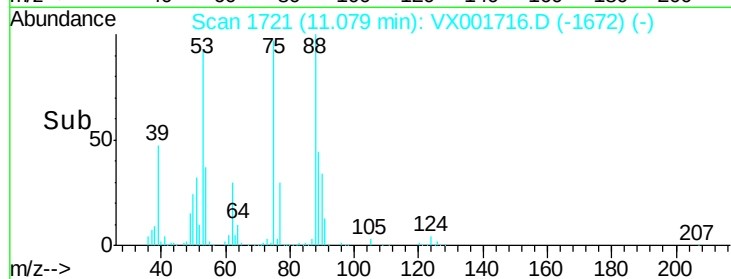
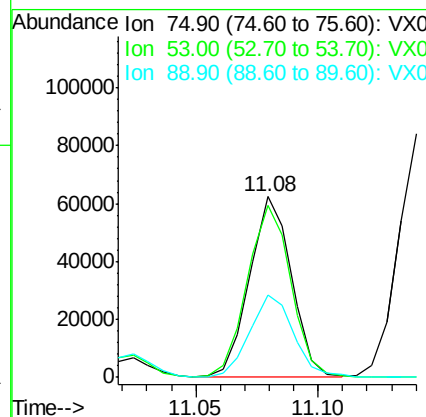
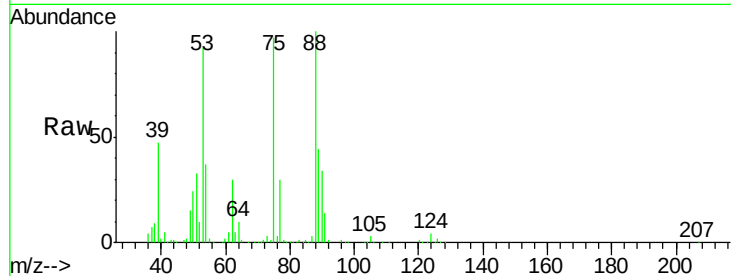
#81
trans-1,4-Dichloro-2-butene
Concen: 54.91 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.3	79.4	119.2
89	48.5	38.8	58.2

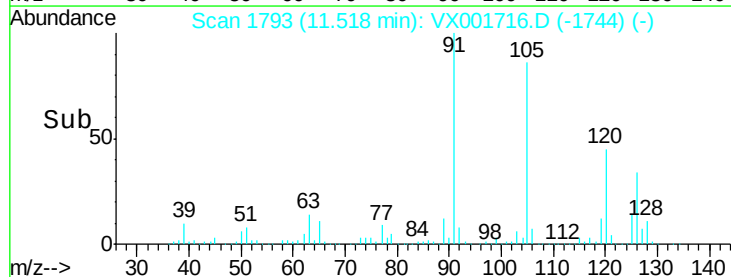
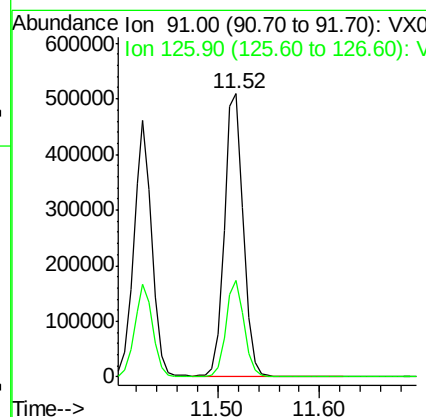
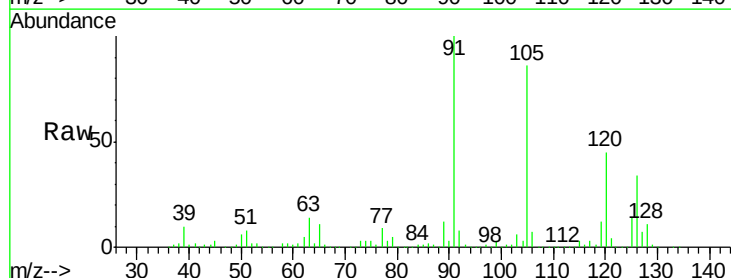
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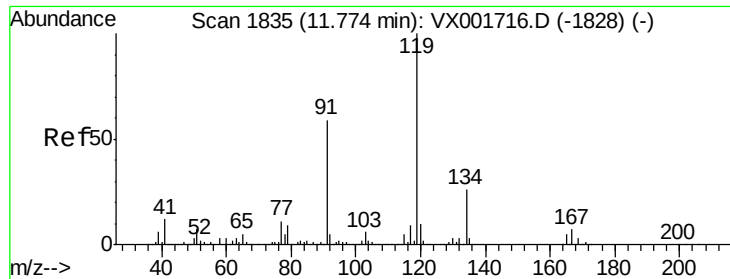
MMDadoda
5/16/2018 11:54:07 AM



#82
4-Chlorotoluene
Concen: 49.02 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1





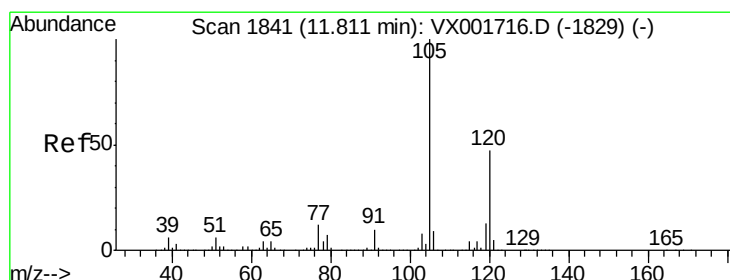
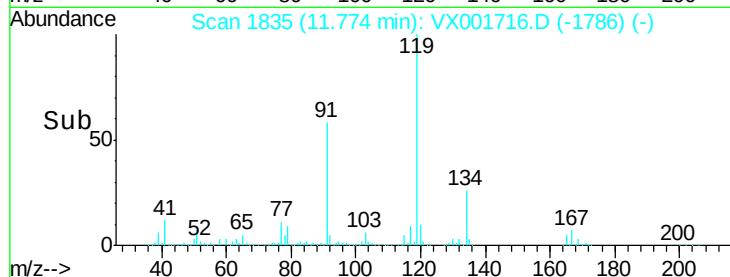
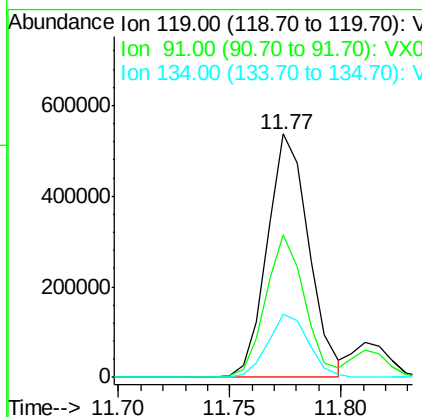
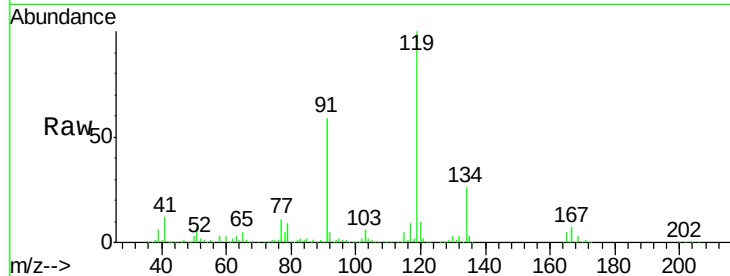
#83
 tert-Butylbenzene
 Concen: 48.28 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.3	27.7	83.0
134	25.4	12.7	38.1

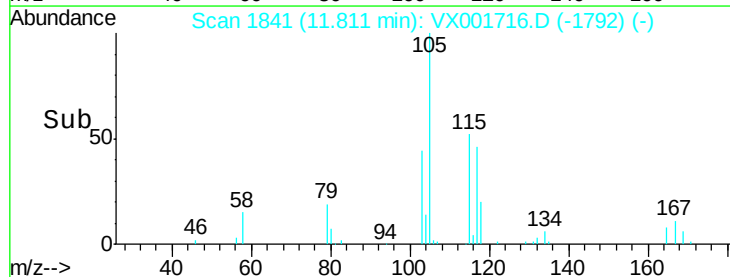
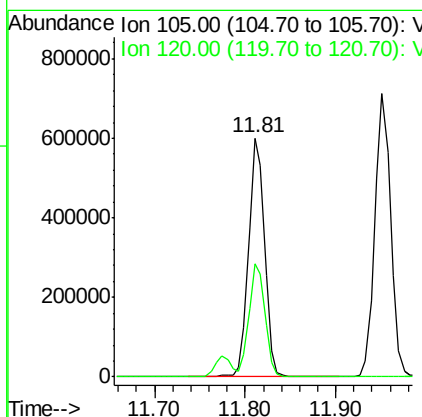
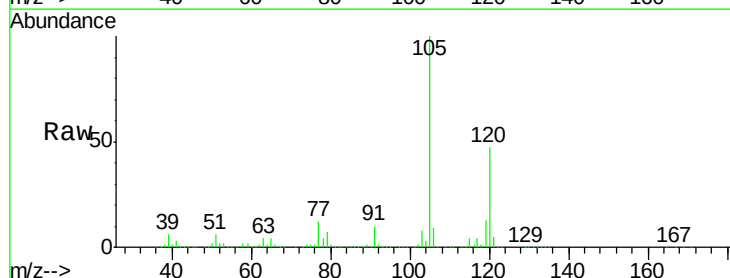
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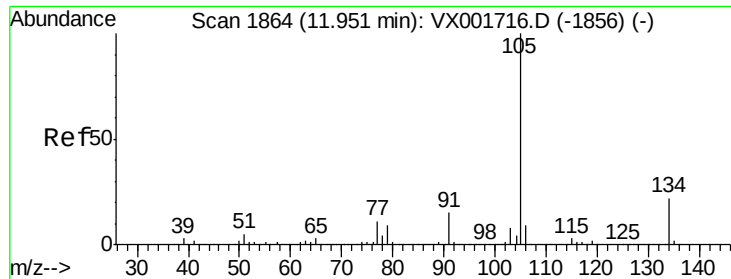
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 5/16/2018 11:54:07 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.39 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.5	70.5





#85

sec-Butylbenzene

Concen: 49.70 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 862052

Ion Ratio Lower Upper

105 100

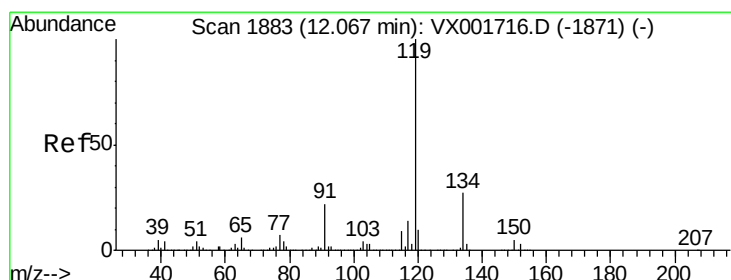
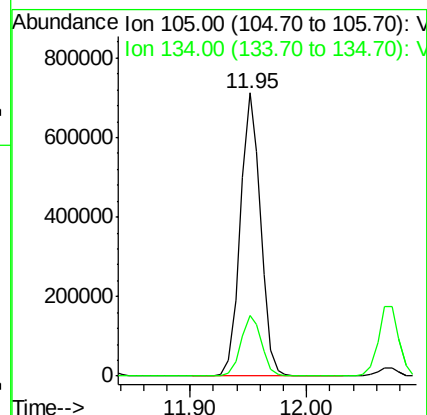
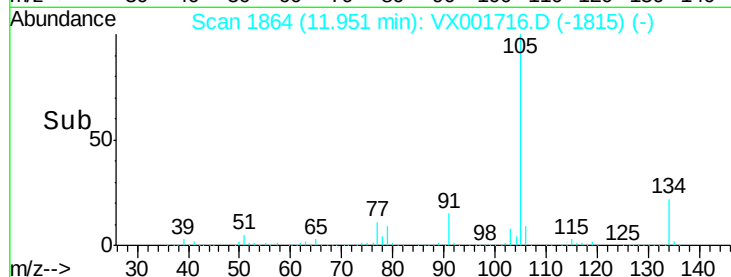
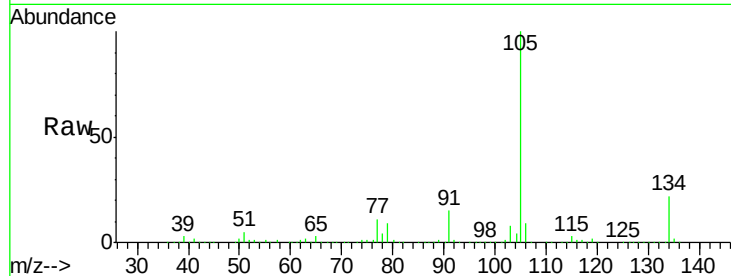
134 21.7 10.9 32.6

Manual Integrations

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5/16/2018 11:54:07 AM



#86

p-Isopropyltoluene

Concen: 49.93 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

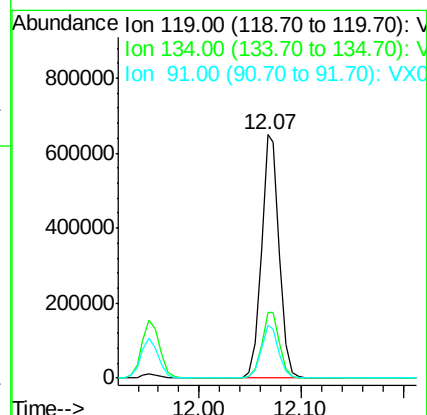
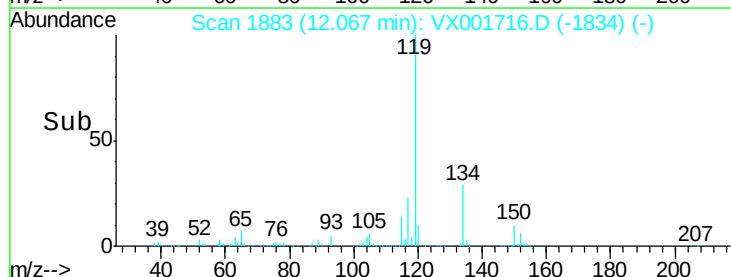
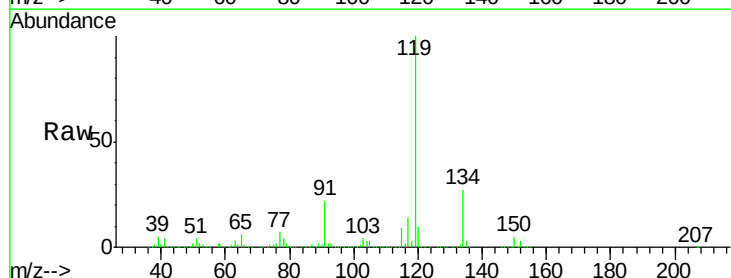
Tgt Ion:119 Resp: 792743

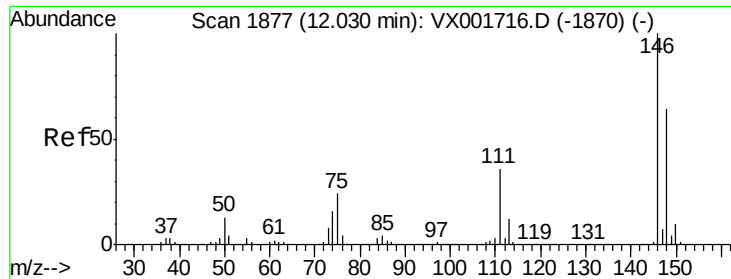
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 21.4 10.7 32.1





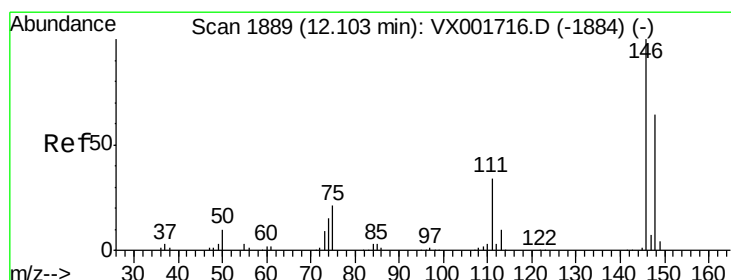
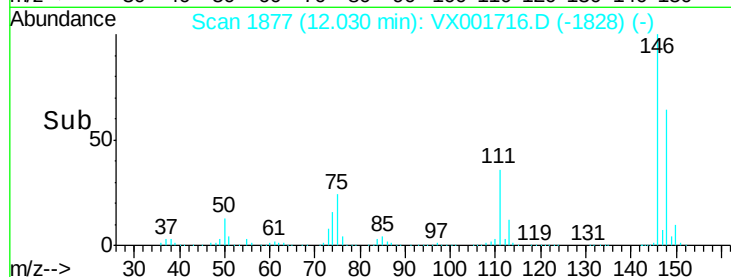
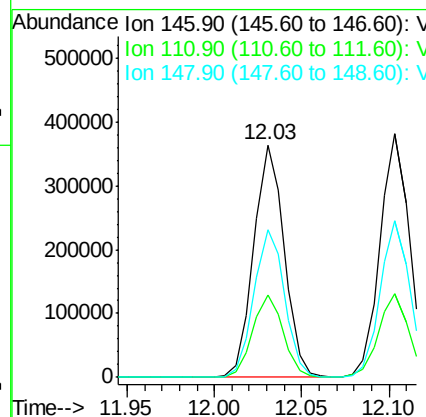
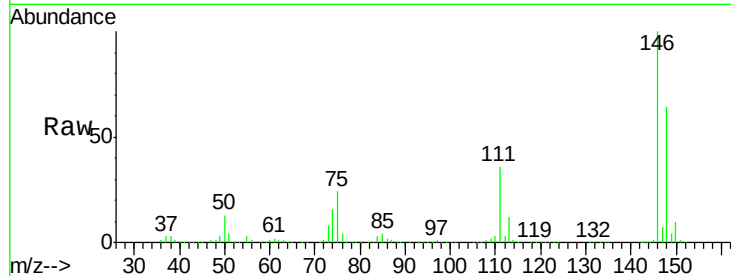
#87
 1,3-Dichlorobenzene
 Concen: 48.62 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.8	53.4
148	64.2	32.1	96.3

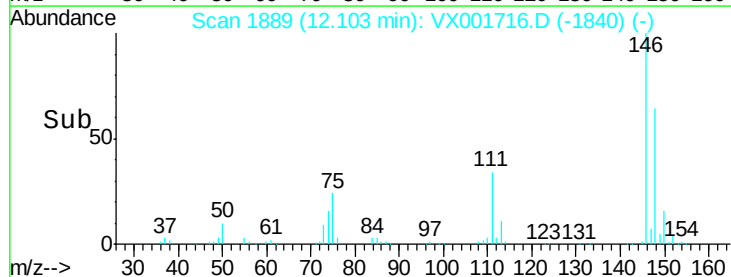
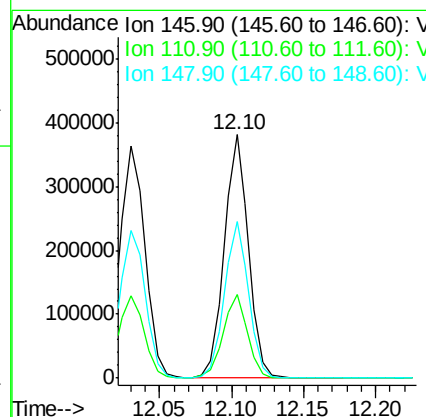
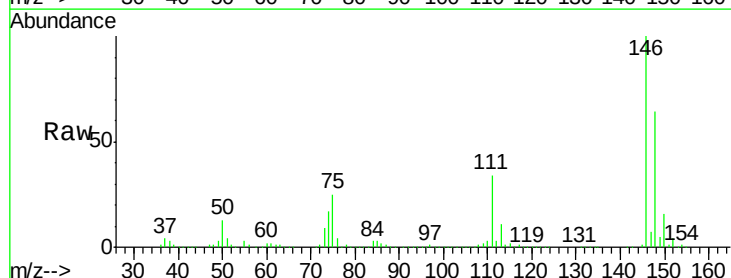
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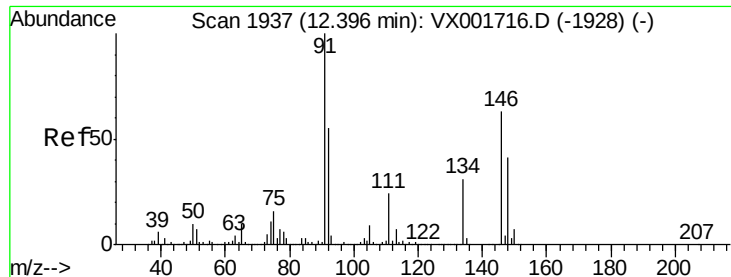
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#88
 1,4-Dichlorobenzene
 Concen: 48.27 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	17.3	52.0
148	64.6	32.3	96.9





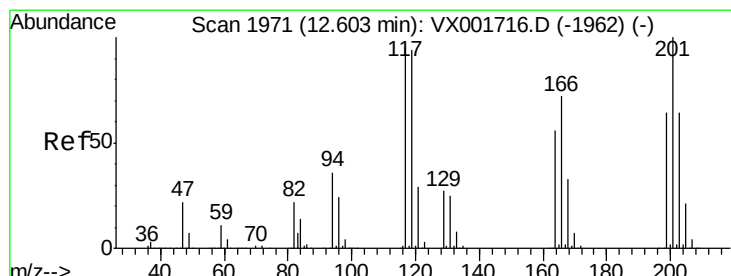
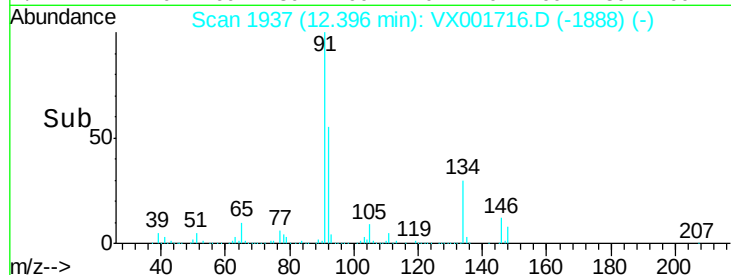
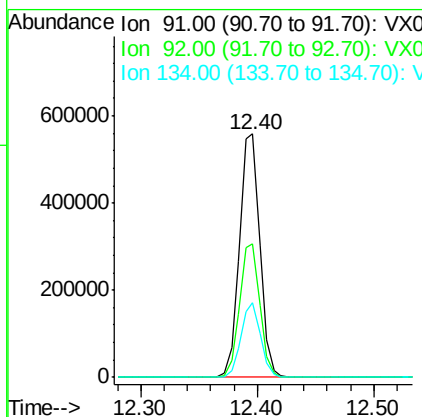
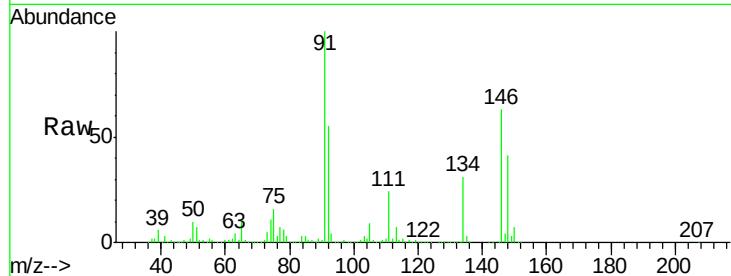
#89
n-Butylbenzene
Concen: 51.43 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	681083		
92	54.6	27.3	81.9	
134	29.4	14.7	44.1	

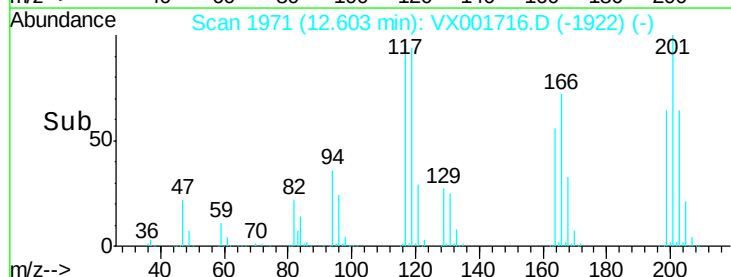
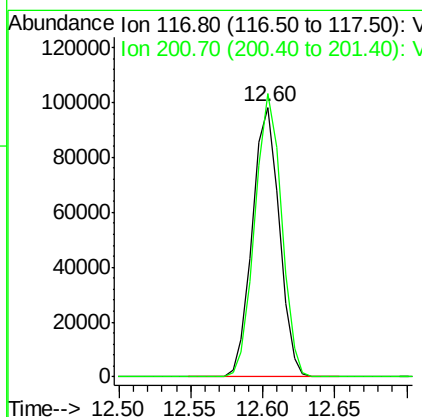
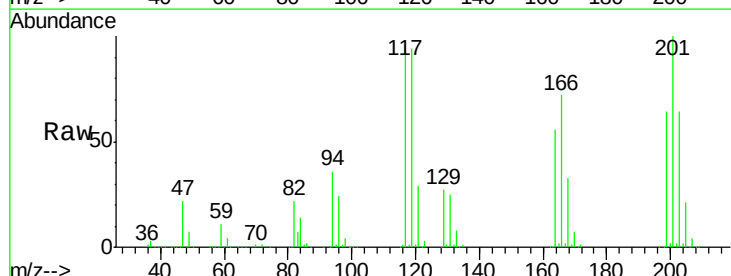
Manual Integrations
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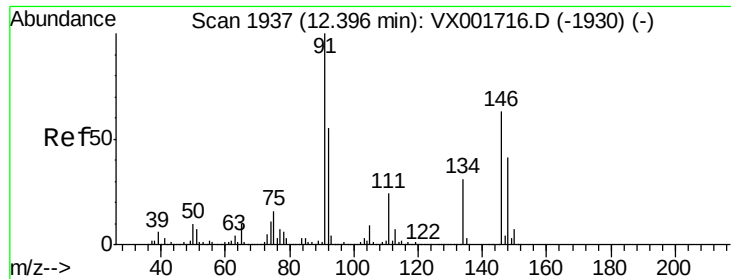
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#90
Hexachloroethane
Concen: 52.42 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001716.D
Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	126685		
201	103.8	51.9	155.7	





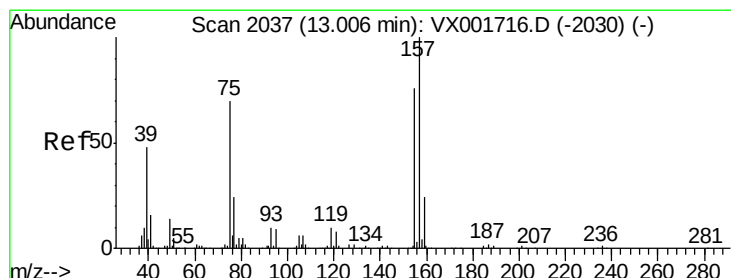
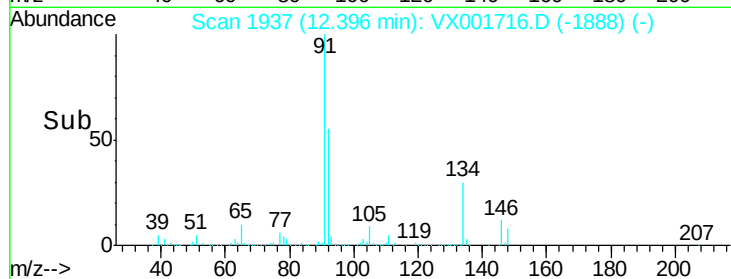
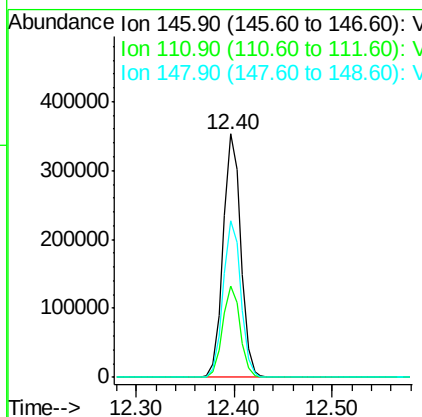
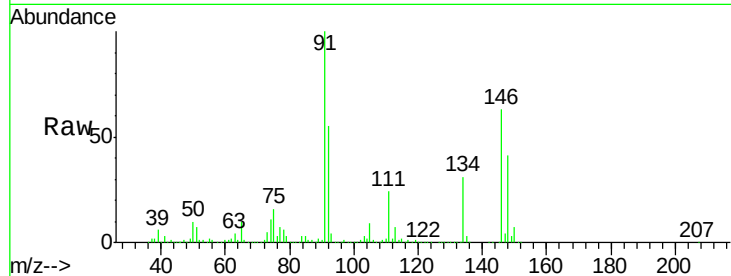
#91
 1,2-Dichlorobenzene
 Concen: 47.73 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	440252		
111	37.3	18.6	56.0	
148	64.7	32.4	97.0	

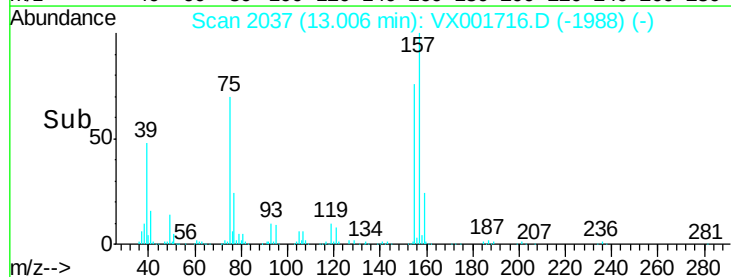
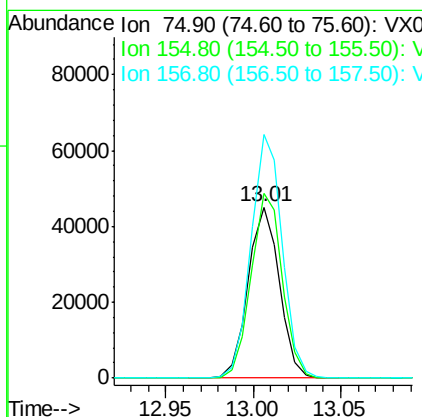
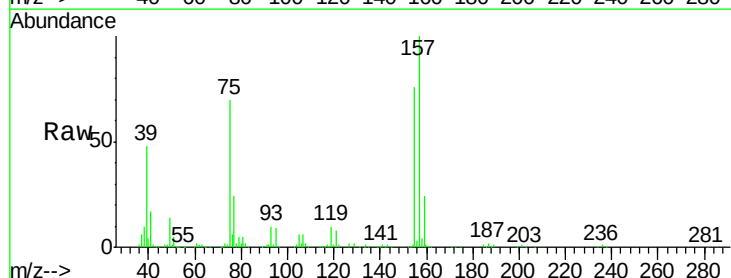
Manual Integrations
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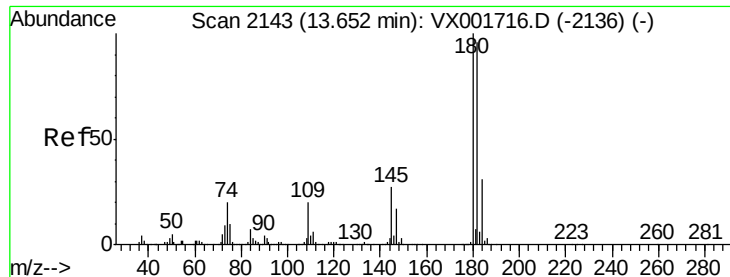
MMDadoda
 5/16/2018 11:54:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.84 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	56185		
155	107.9	53.9	161.8	
157	142.1	71.0	213.2	





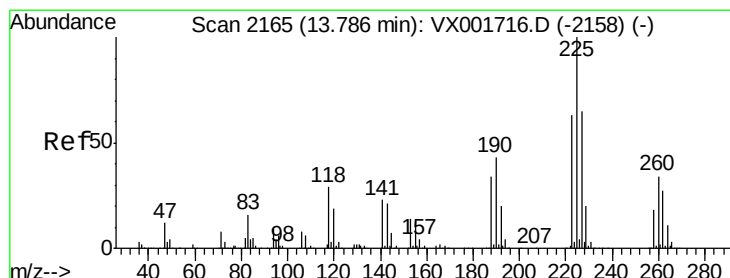
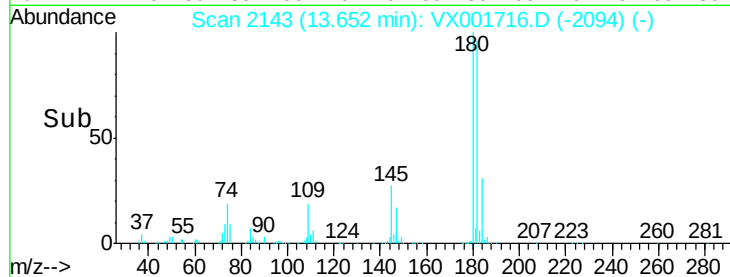
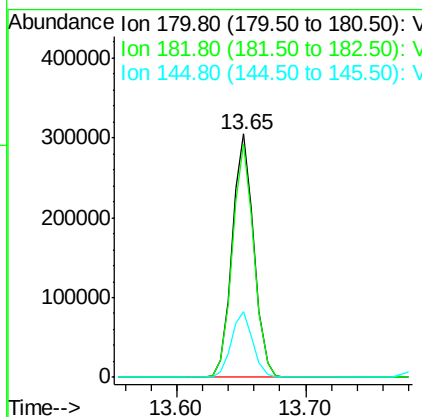
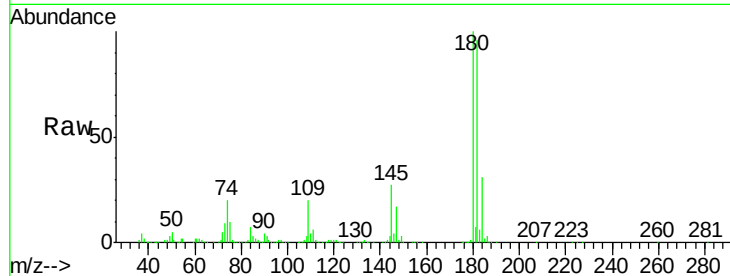
#93
 1,2,4-Trichlorobenzene
 Concen: 52.47 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

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

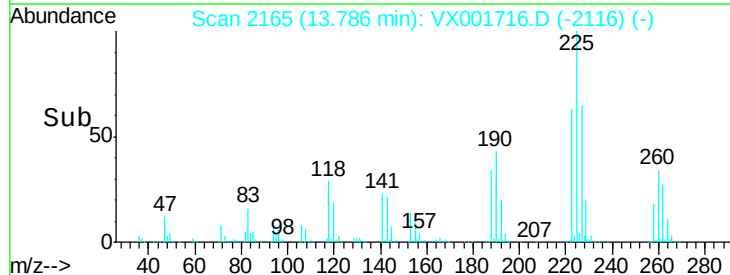
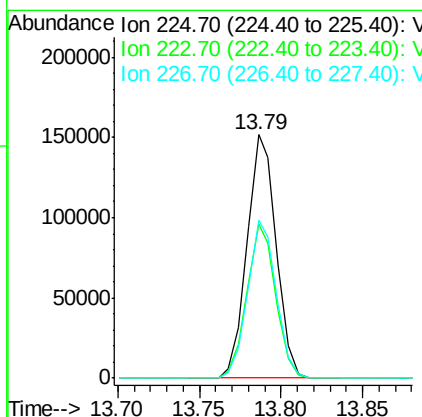
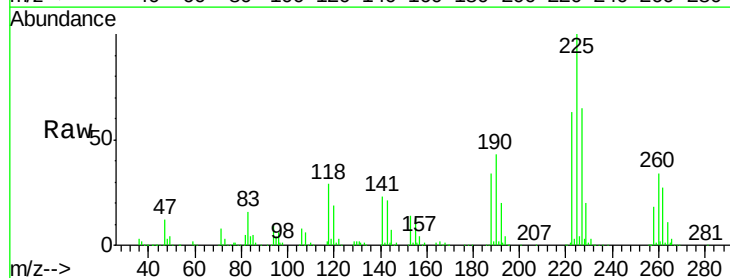
Manual Integrations
 APPROVED

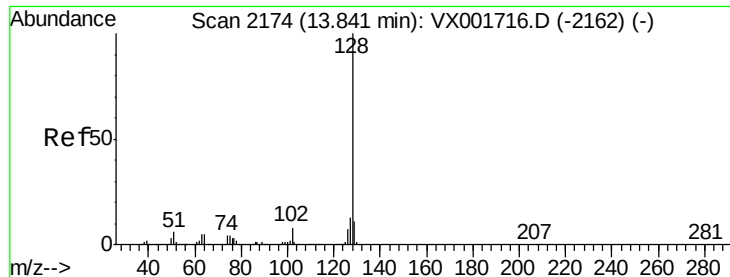
MMDadoda
 5/16/2018 11:54:07 AM



#94
 Hexachlorobutadiene
 Concen: 50.57 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001716.D
 Acq: 14 May 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.1	93.5	
227	63.7	31.9	95.5	





#95

Naphthalene

Concen: 52.25 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Instrument :

MSVOA_X

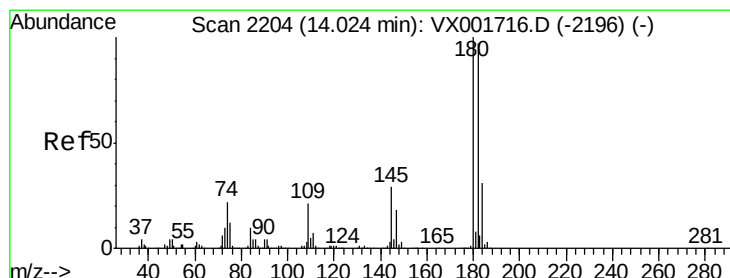
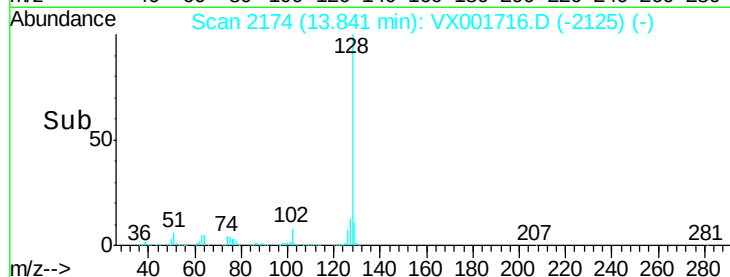
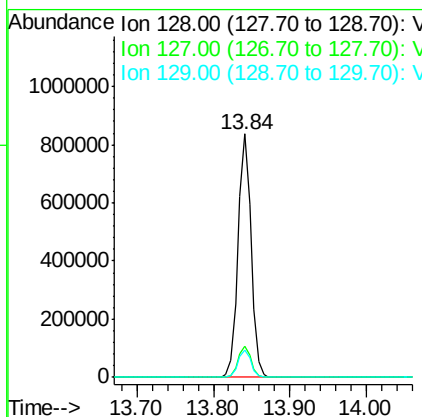
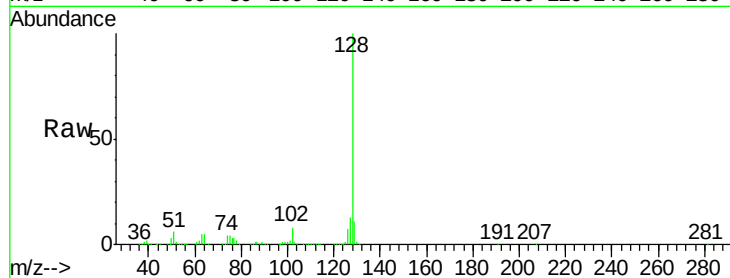
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	980216
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/16/2018 11:54:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.24 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001716.D

Acq: 14 May 2018 18:16

Tgt Ion:	180	Resp:	357463
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	28.5	14.2	42.8

