

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070618\
 Data File : VX003220.D
 Acq On : 06 Jul 2018 18:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 12:56:53 PM

Quant Time: Jul 07 00:07:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208718	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	148995	39.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.46%	
35) Dibromofluoromethane	5.50	113	134226	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	8.72	98	442039	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
62) 4-Bromofluorobenzene	11.14	95	177670	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	125829	51.948	ug/l	100
3) Chloromethane	1.32	50	123500	49.074	ug/l	98
4) Vinyl Chloride	1.40	62	142446	46.418	ug/l	96
5) Bromomethane	1.64	94	76678	53.731	ug/l	98
6) Chloroethane	1.72	64	93563	52.054	ug/l	95
7) Trichlorofluoromethane	1.93	101	231289	44.681	ug/l	99
8) Diethyl Ether	2.19	74	87770	46.640	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	141758	47.262	ug/l	96
10) Methyl Iodide	2.51	142	136327	45.464	ug/l	97
11) Tert butyl alcohol	3.07	59	155787	208.505	ug/l	99
12) 1,1-Dichloroethene	2.37	96	122620	45.820	ug/l	90
13) Acrolein	2.29	56	78344	190.165	ug/l	99
14) Allyl chloride	2.73	41	244262	46.303	ug/l	94
15) Acrylonitrile	3.15	53	367357	230.188	ug/l	99
16) Acetone	2.45	43	334138	215.122	ug/l	93
17) Carbon Disulfide	2.57	76	318801	44.711	ug/l	99
18) Methyl Acetate	2.78	43	186243	42.886	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	444126	46.163	ug/l	97
20) Methylene Chloride	2.86	84	144869	47.928	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	136042	46.673	ug/l	87
22) Diisopropyl ether	3.88	45	469483	46.558	ug/l	92
23) Vinyl Acetate	3.82	43	2007334	235.089	ug/l	98
24) 1,1-Dichloroethane	3.70	63	255013	46.529	ug/l	99
25) 2-Butanone	4.71	43	546228	236.957	ug/l	98
26) 2,2-Dichloropropane	4.58	77	227663	51.084	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	161328	49.364	ug/l	92
28) Bromochloromethane	5.02	49	120645	45.989	ug/l	88
29) Tetrahydrofuran	5.17	42	346369	234.311	ug/l	96
30) Chloroform	5.21	83	276246	49.113	ug/l	93
31) Cyclohexane	5.57	56	223258	47.465	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	245779	49.665	ug/l	98
36) 1,1-Dichloropropene	5.80	75	198325	53.670	ug/l	99
37) Ethyl Acetate	4.86	43	210915	53.011	ug/l	98
38) Carbon Tetrachloride	5.78	117	218404	53.859	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	225715	52.440	ug/l	95
40) Benzene	6.14	78	561611	52.307	ug/l	98
41) Methacrylonitrile	5.06	41	121261	52.927	ug/l	98
42) 1,2-Dichloroethane	6.20	62	206770	47.674	ug/l	99
43) Isopropyl Acetate	6.47	43	328935	49.295	ug/l	97
44) Trichloroethene	7.21	130	166917	52.144	ug/l	97
45) 1,2-Dichloropropane	7.52	63	147796	51.893	ug/l	99
46) Dibromomethane	7.67	93	99360	50.270	ug/l	94
47) Bromodichloromethane	7.90	83	192836	52.774	ug/l	98
48) Methyl methacrylate	7.78	41	169622	49.334	ug/l	94
49) 1,4-Dioxane	7.76	88	67440	1008.183	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1056233	252.997	ug/l	97
52) Toluene	8.79	92	361078	52.496	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	227398	54.951	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	211404	53.093	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	149378	52.851	ug/l	97
56) Ethyl methacrylate	9.18	69	221467	53.614	ug/l	92
57) 1,3-Dichloropropane	9.38	76	242583	52.257	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	513993	257.921	ug/l	96
59) 2-Hexanone	9.50	43	802814	253.019	ug/l	96
60) Dibromochloromethane	9.59	129	161898	54.413	ug/l	100
61) 1,2-Dibromoethane	9.68	107	157340	53.072	ug/l	100
64) Tetrachloroethene	9.34	164	184689	51.343	ug/l	98
65) Chlorobenzene	10.14	112	421251	51.266	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	157595	52.797	ug/l	100
67) Ethyl Benzene	10.26	91	707338	52.111	ug/l	99
68) m/p-Xylenes	10.36	106	556655	106.408	ug/l	97
69) o-Xylene	10.70	106	268261	52.665	ug/l	98
70) Styrene	10.71	104	452148	54.628	ug/l	98
71) Bromoform	10.86	173	129214	48.074	ug/l	99
73) Isopropylbenzene	11.02	105	740984	52.773	ug/l	100
74) N-amyl acetate	6.47	43	328935	47.879	ug/l	# 98
75) 1,1,2,2-Tetrachloroethane	11.27	83	219547	50.760	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	220264m	58.261	ug/l	
77) Bromobenzene	11.26	156	205157	51.308	ug/l	95
78) n-propylbenzene	11.36	91	837616	52.408	ug/l	98
79) 2-Chlorotoluene	11.42	91	489941	50.634	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	616801	52.156	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	61419	47.328	ug/l	94
82) 4-Chlorotoluene	11.51	91	582876	50.883	ug/l	98
83) tert-Butylbenzene	11.77	119	618336	53.053	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	638584	52.117	ug/l	98
85) sec-Butylbenzene	11.95	105	743618	52.593	ug/l	99
86) p-Isopropyltoluene	12.07	119	683251	53.750	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	377832	51.737	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	380044	50.569	ug/l	99
89) n-Butylbenzene	12.39	91	580651	52.481	ug/l	98
90) Hexachloroethane	12.60	117	100442	53.123	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	375938	51.003	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	47263	48.608	ug/l	93

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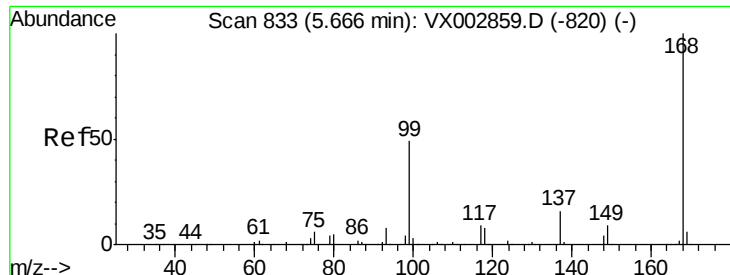
Manual Integrations
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Quant Time: Jul 07 00:07:34 2018
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	289701	54.004	ug/l	100
94) Hexachlorobutadiene	13.79	225	148505	55.505	ug/l	100
95) Naphthalene	13.84	128	775949	54.309	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	304103	56.756	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 271353

Ion Ratio Lower Upper

168 100

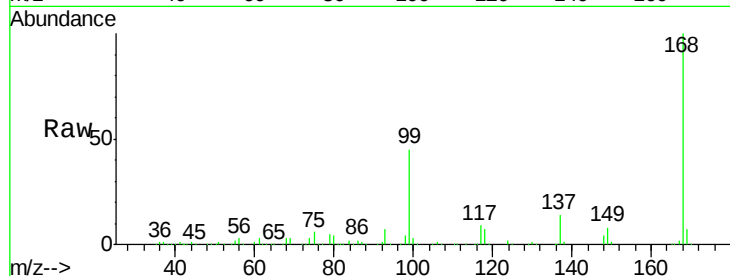
99 45.3 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

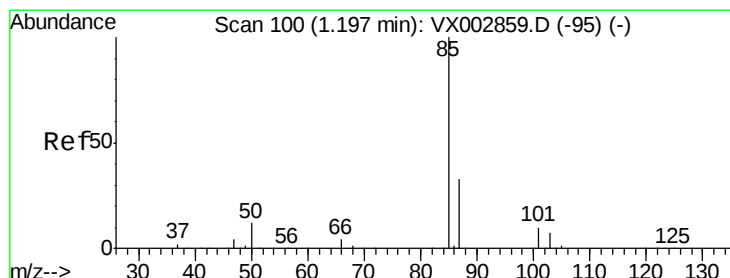
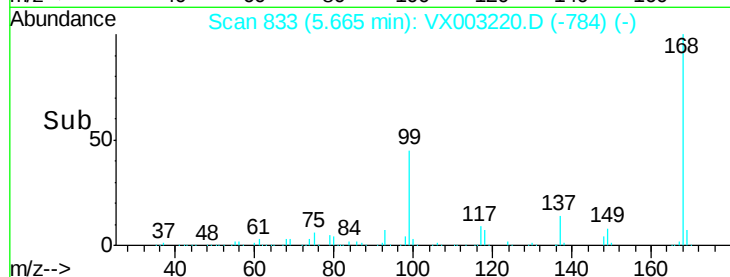
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.948 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003220.D

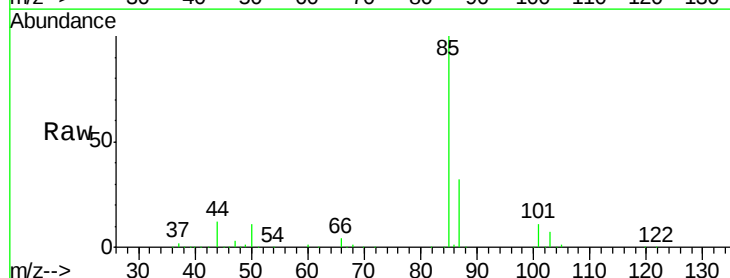
Acq: 06 Jul 2018 18:08

Tgt Ion: 85 Resp: 125829

Ion Ratio Lower Upper

85 100

87 31.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

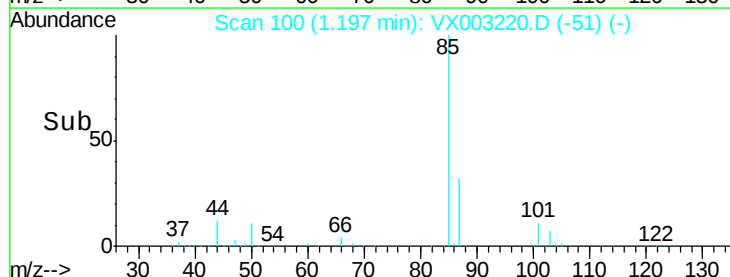
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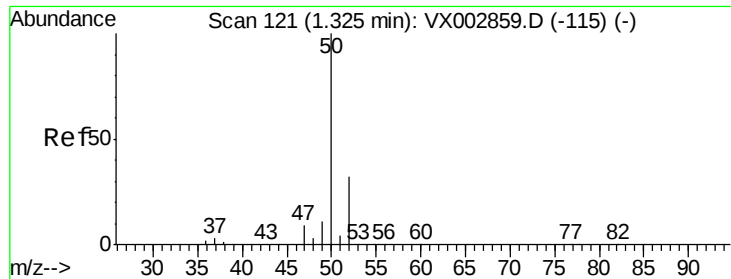
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.074 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 123500

Ion Ratio Lower Upper

50 100

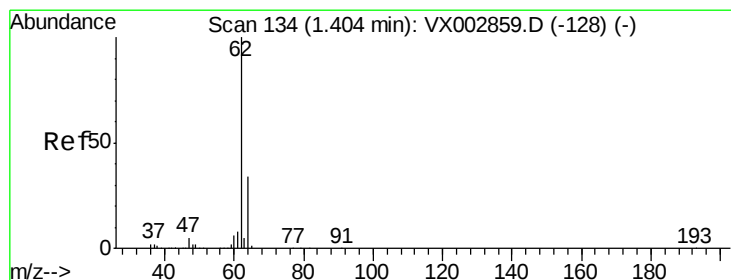
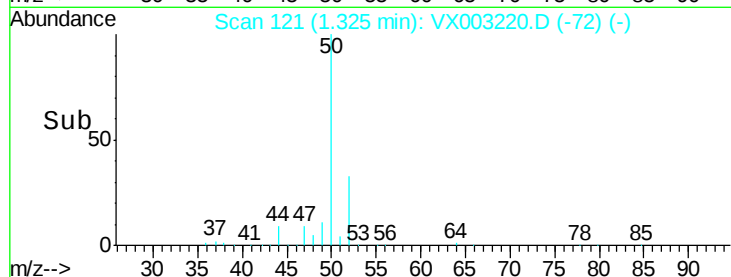
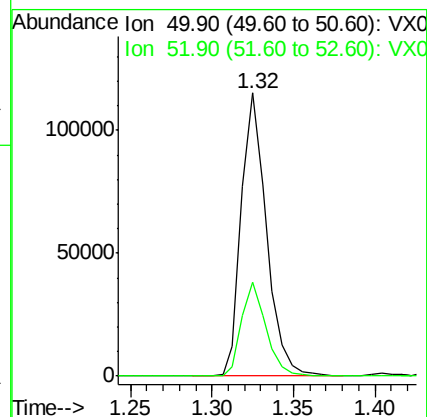
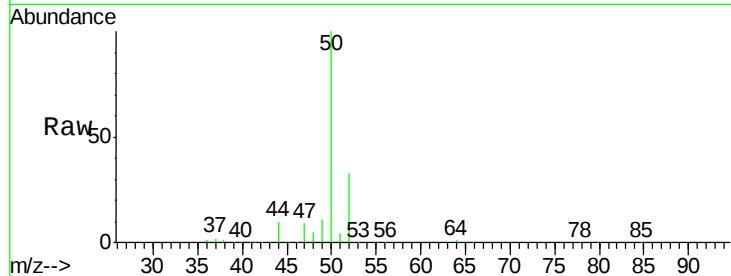
52 33.2 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.418 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003220.D

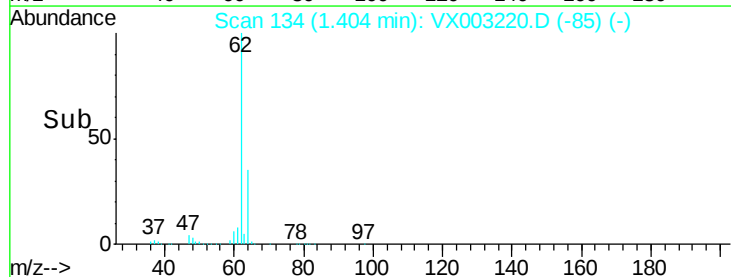
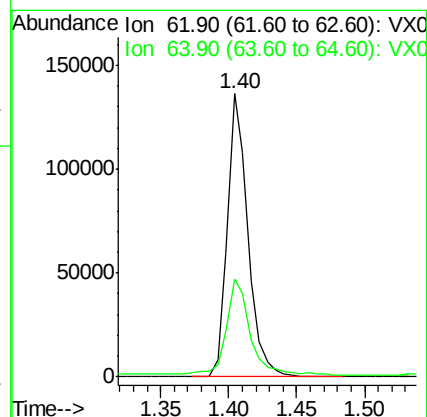
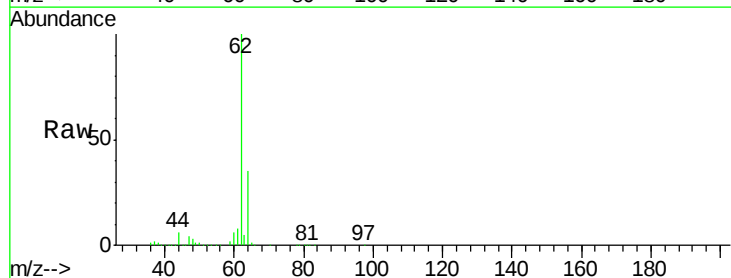
Acq: 06 Jul 2018 18:08

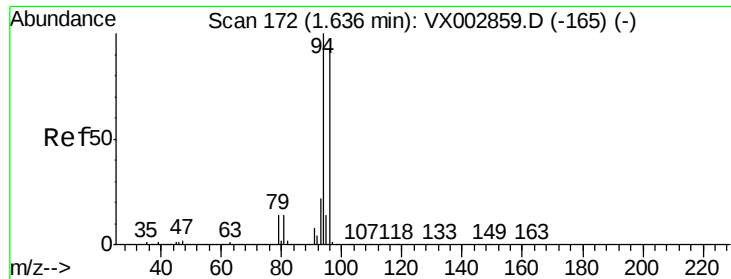
Tgt Ion: 62 Resp: 142446

Ion Ratio Lower Upper

62 100

64 33.8 25.4 38.2





#5

Bromomethane

Concen: 53.731 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 94 Resp: 76678

Ion Ratio Lower Upper

94 100

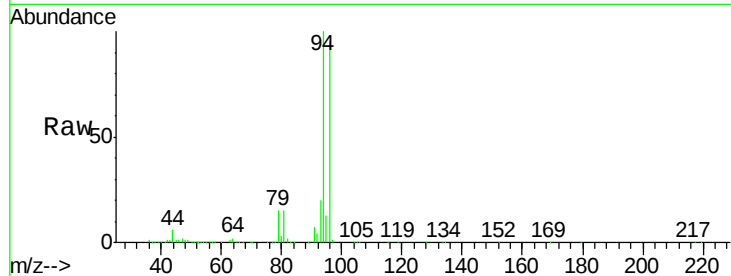
96 95.5 74.9 112.3

Manual Integrations

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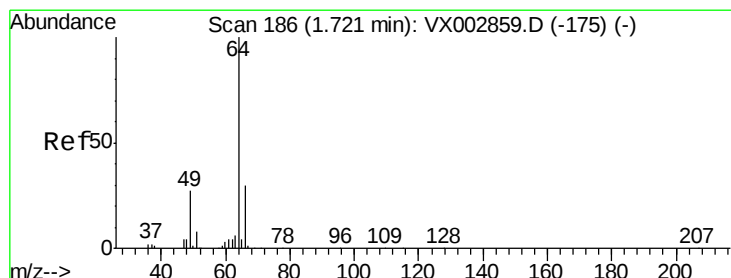
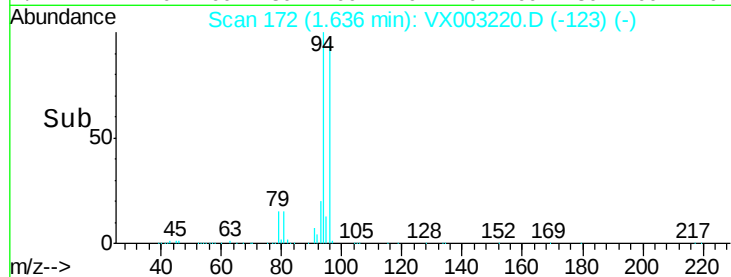
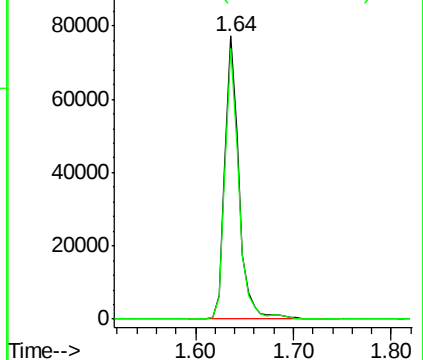
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.054 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003220.D

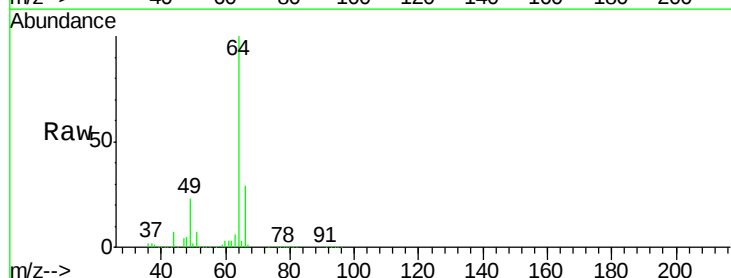
Acq: 06 Jul 2018 18:08

Tgt Ion: 64 Resp: 93563

Ion Ratio Lower Upper

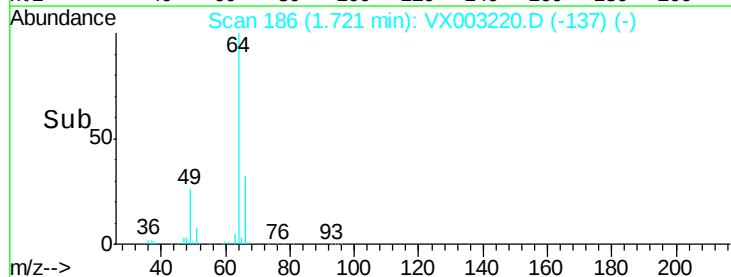
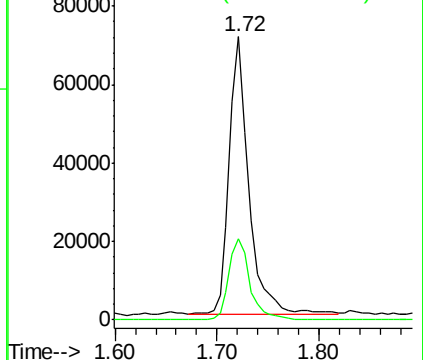
64 100

66 29.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

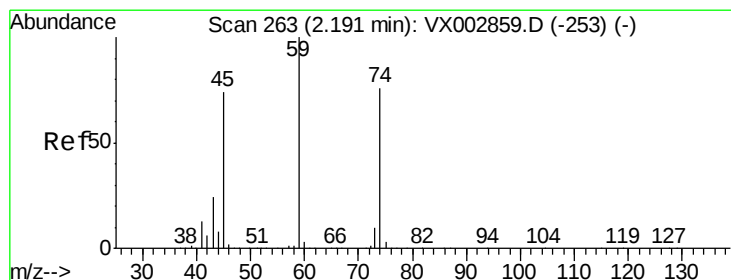
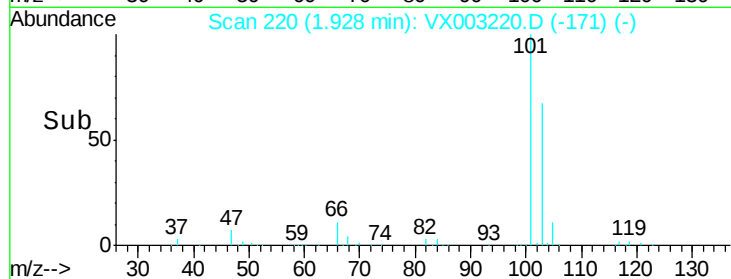
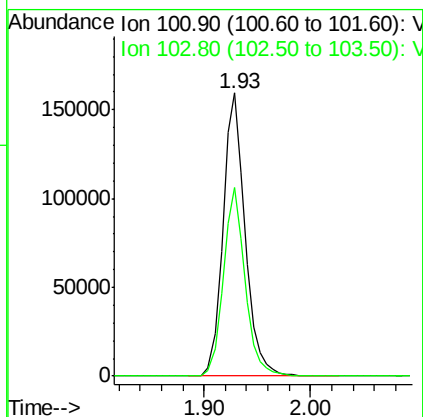
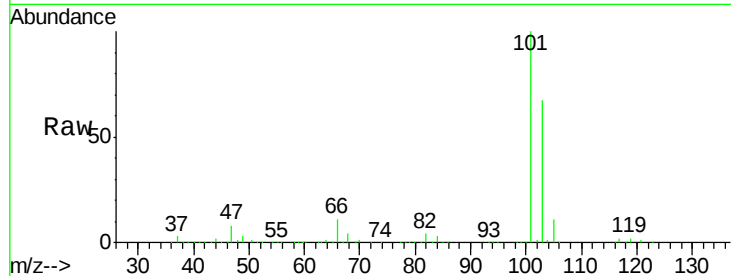
Trichlorofluoromethane
Concen: 44.681 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.8	79.2

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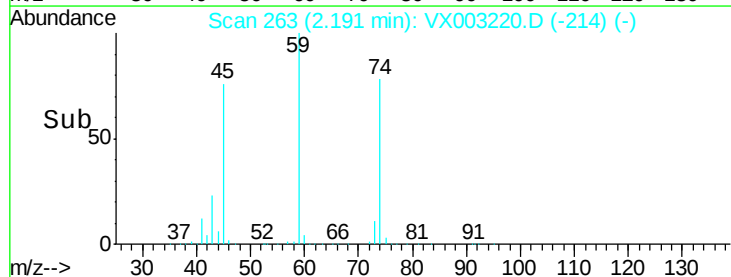
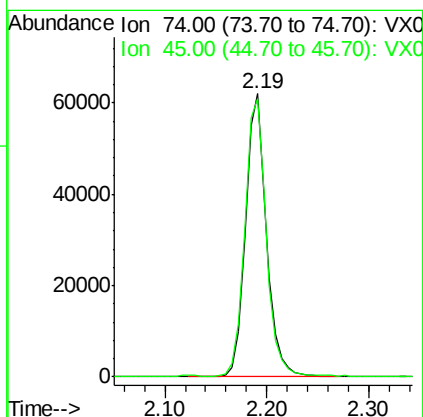
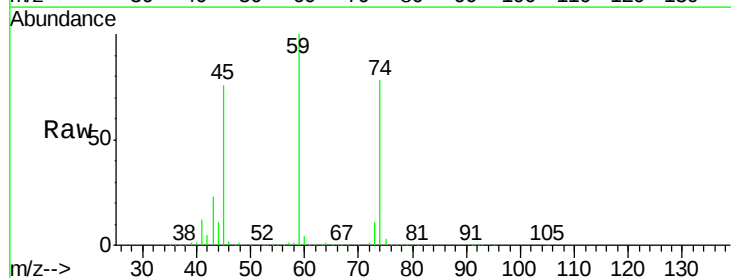
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7/9/2018 12:56:53 PM



#8

Diethyl Ether
Concen: 46.640 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.262 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

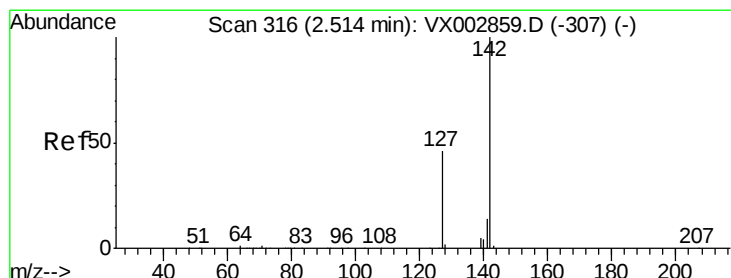
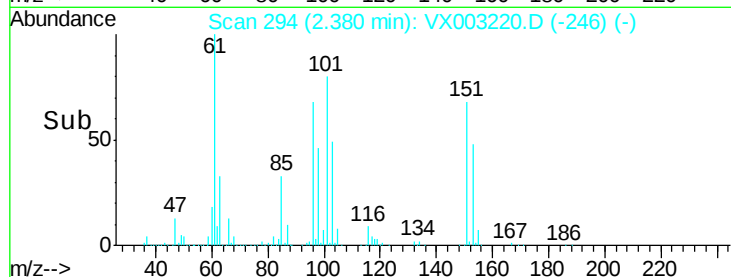
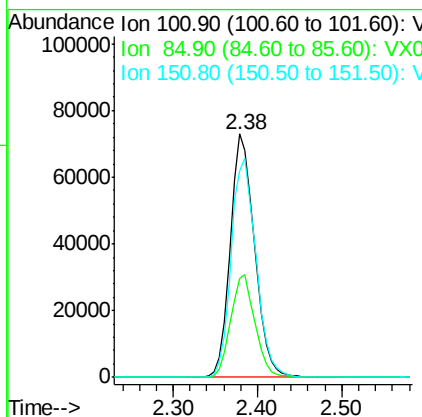
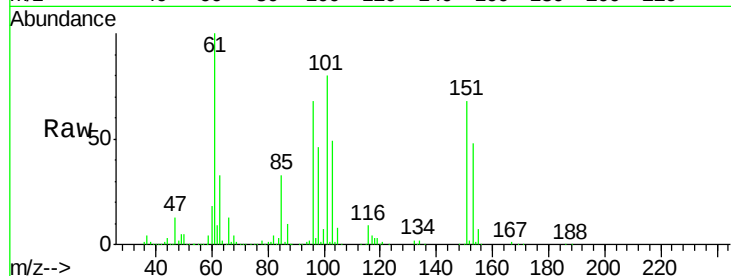
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	141758
Ion Ratio	Lower	Upper	
101	100		
85	42.5	36.0	54.0
151	92.4	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 45.464 ug/l

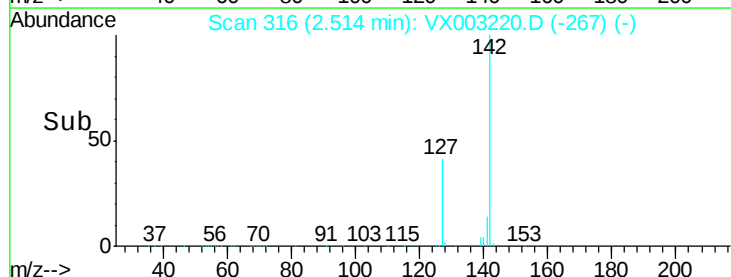
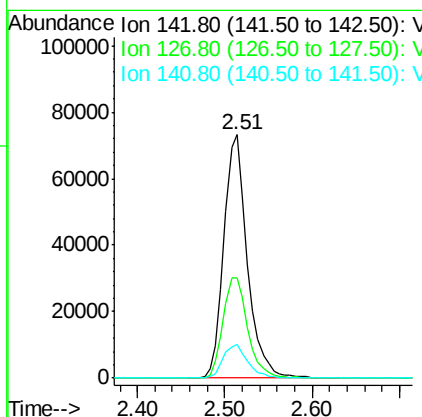
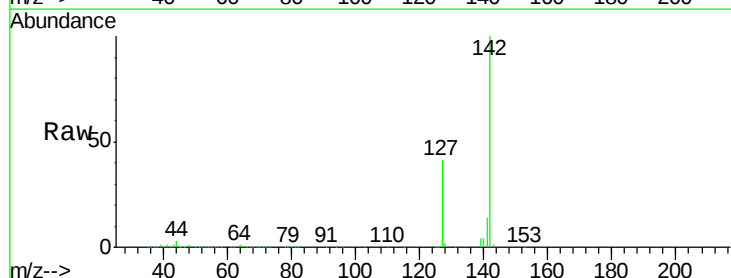
RT: 2.51 min Scan# 316

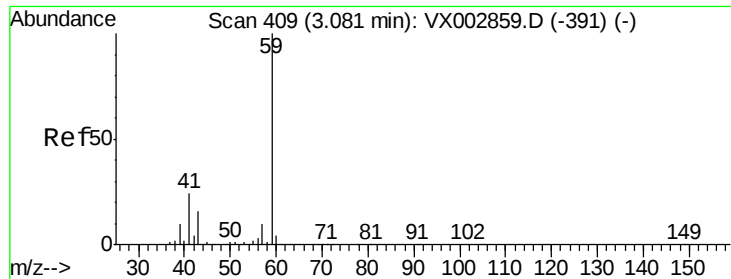
Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion:	142	Resp:	136327
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.6	55.0
141	14.4	11.3	16.9





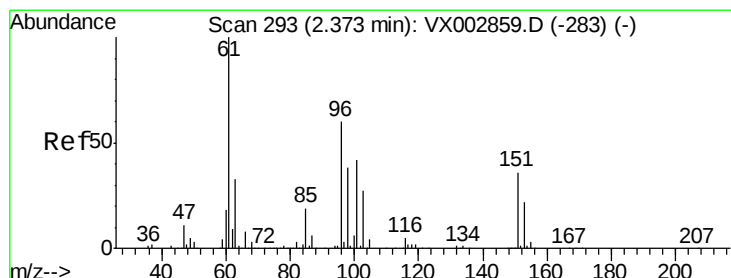
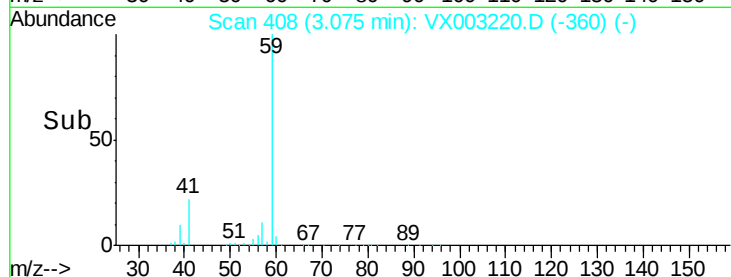
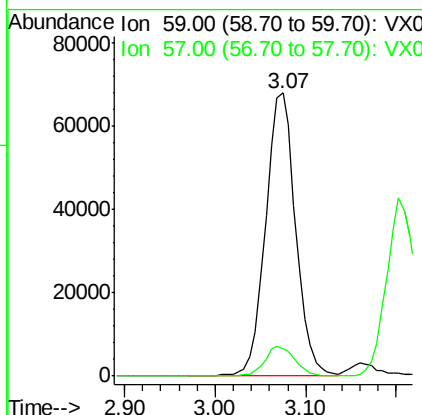
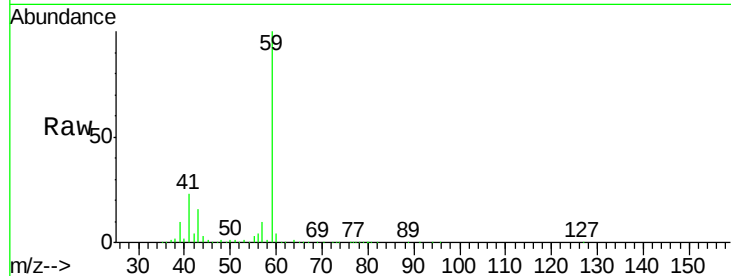
#11
Tert butyl alcohol
Concen: 208.505 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

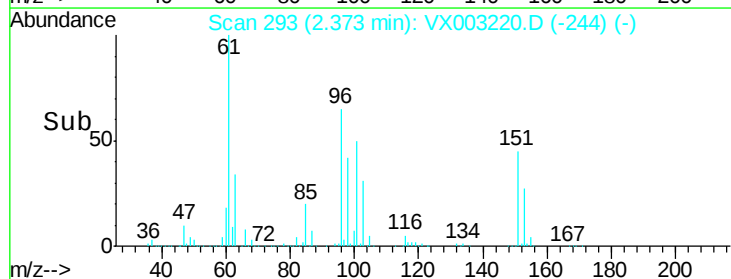
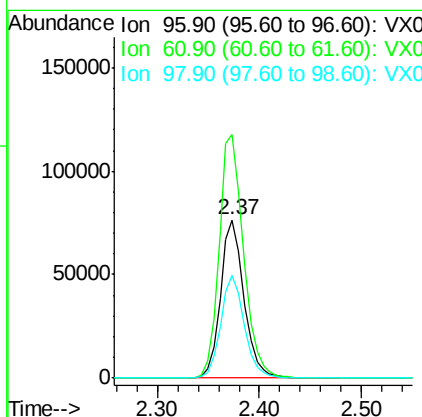
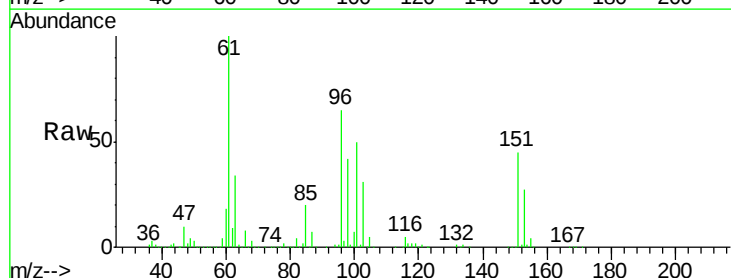
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 45.820 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.3	137.9	206.9
98	65.5	51.6	77.4





#13

Acrolein

Concen: 190.165 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 78344

Ion Ratio Lower Upper

56 100

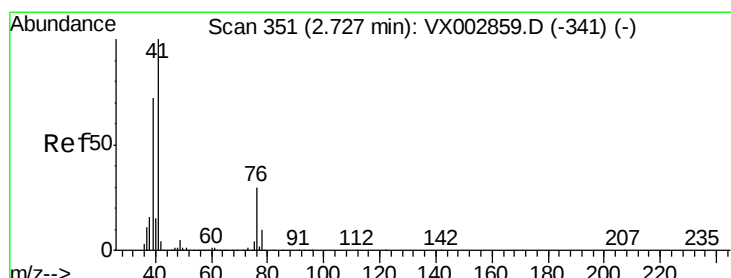
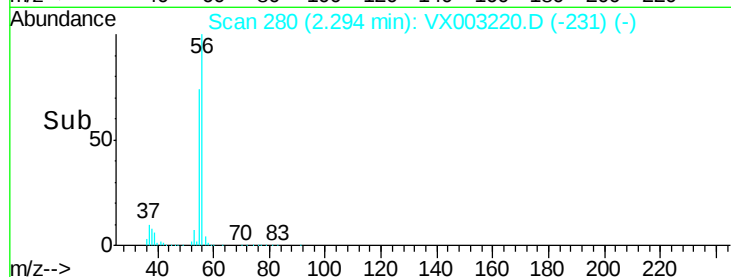
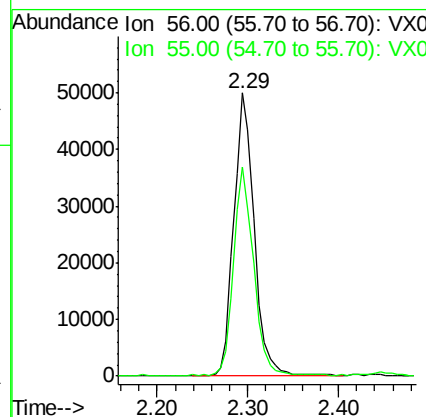
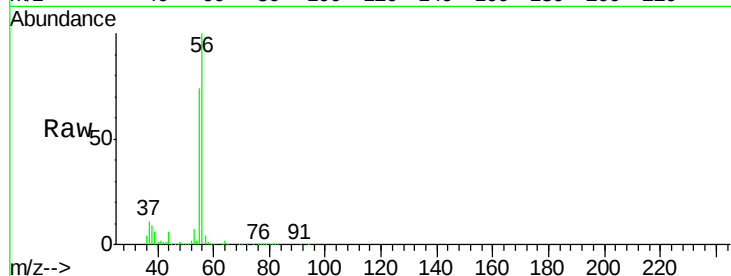
55 72.1 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 46.303 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

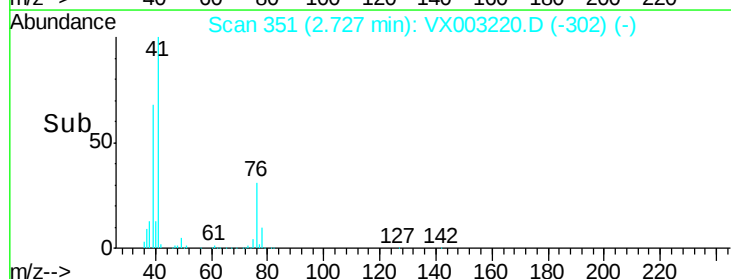
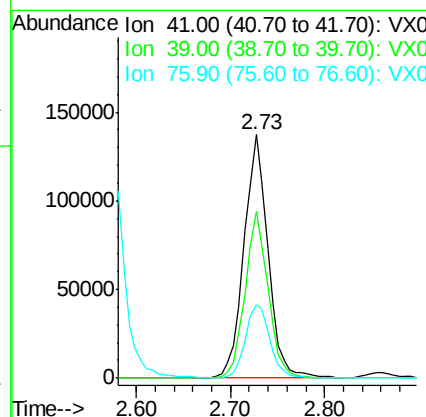
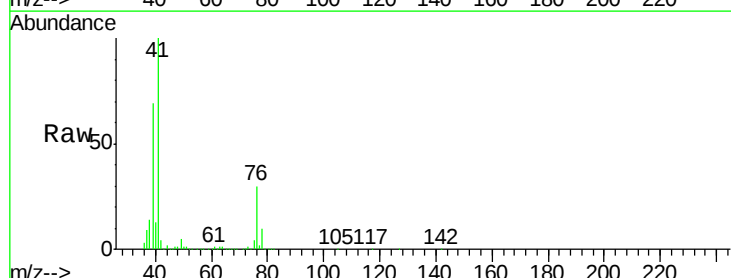
Tgt Ion: 41 Resp: 244262

Ion Ratio Lower Upper

41 100

39 65.2 56.8 85.2

76 31.1 23.8 35.8





#15

Acrylonitrile

Concen: 230.188 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

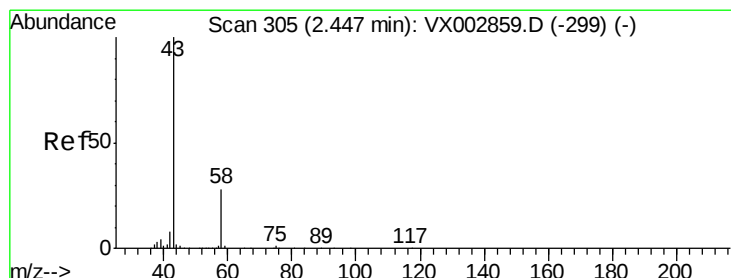
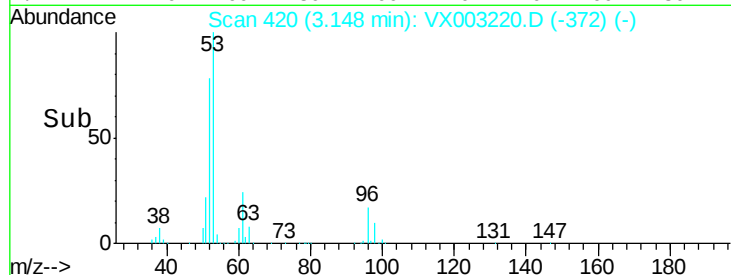
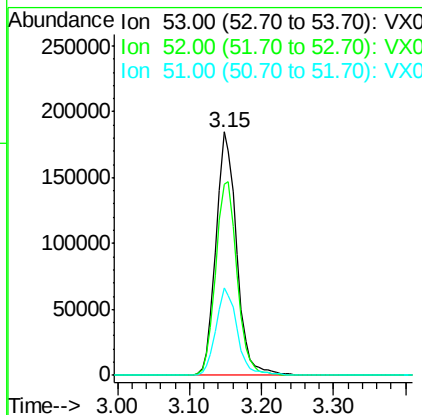
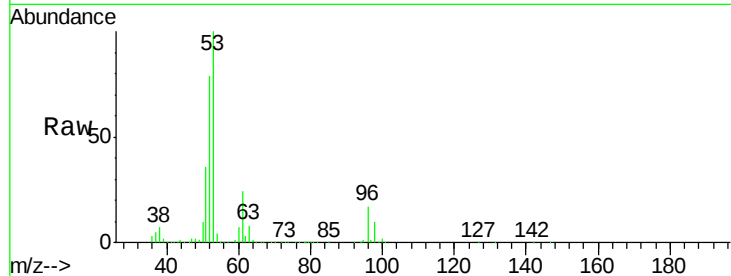
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	367357
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.7	100.1
51	36.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 215.122 ug/l

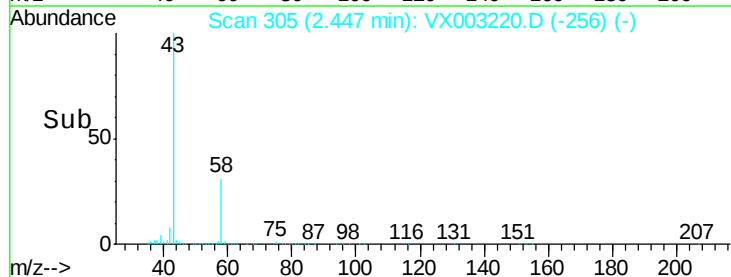
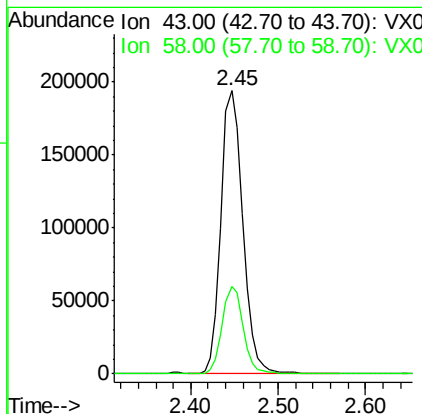
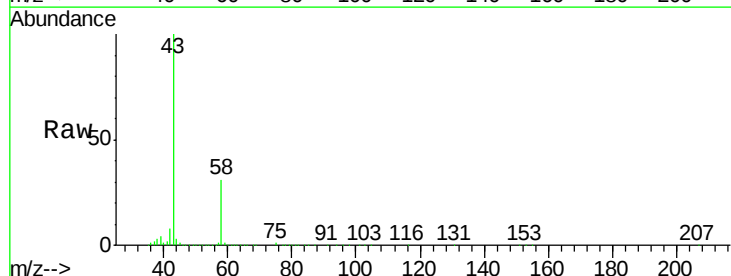
RT: 2.45 min Scan# 305

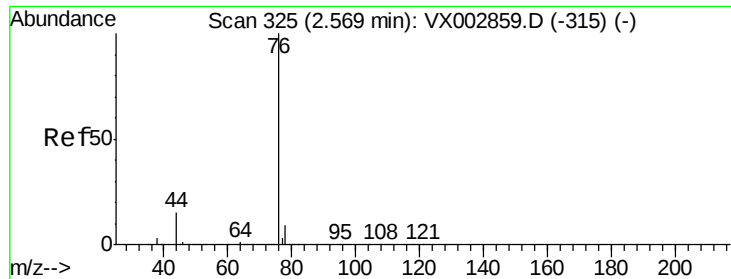
Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion:	43	Resp:	334138
Ion Ratio	Lower	Upper	
43	100		
58	31.1	22.1	33.1





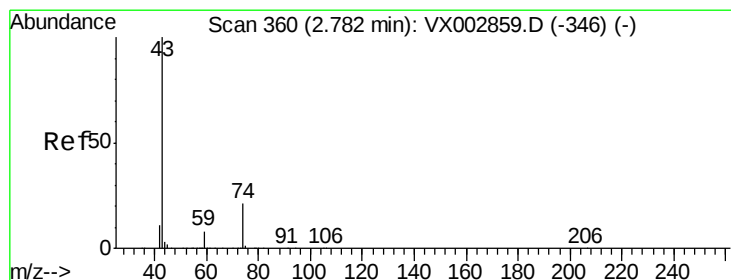
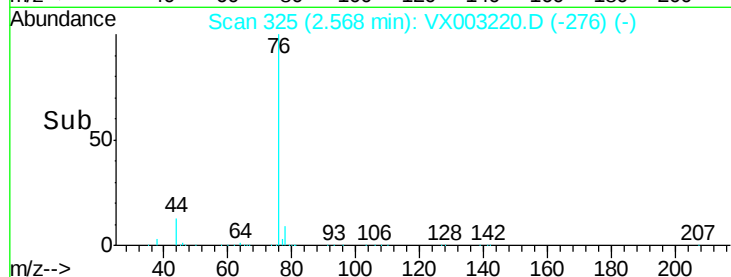
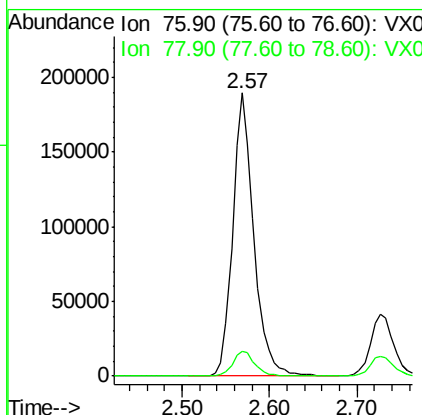
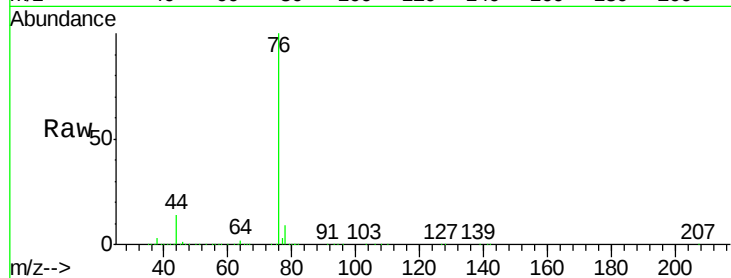
#17
Carbon Disulfide
Concen: 44.711 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.9	10.3

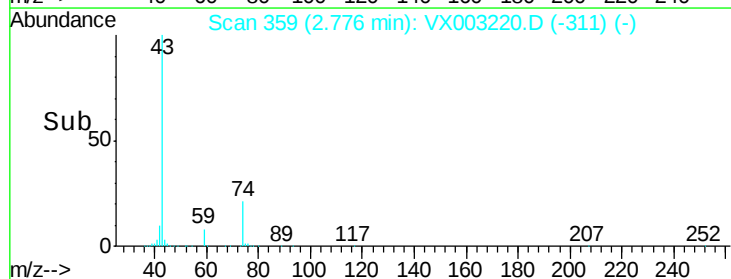
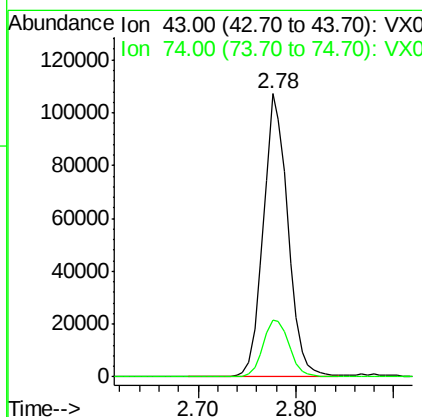
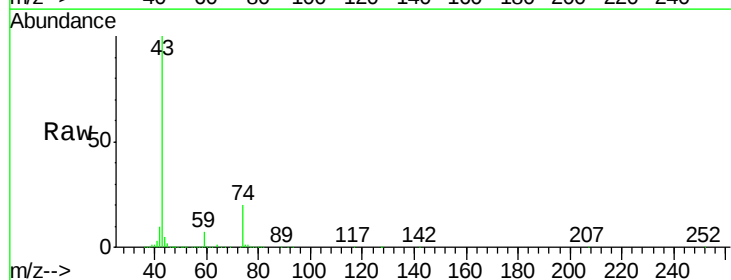
Manual Integrations
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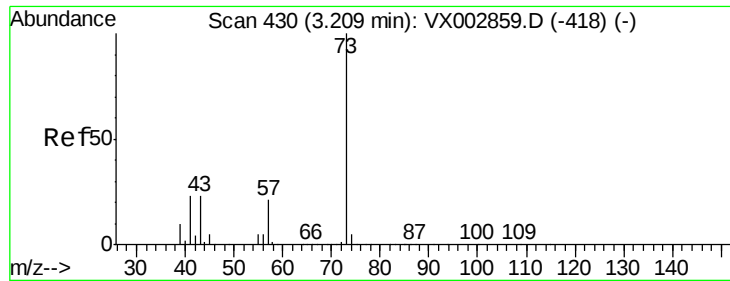
MMDadoda
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#18
Methyl Acetate
Concen: 42.886 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	16.7	25.1





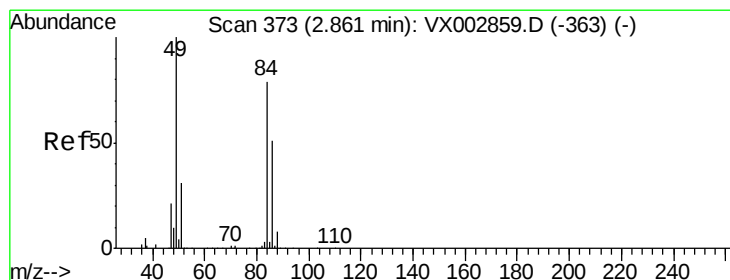
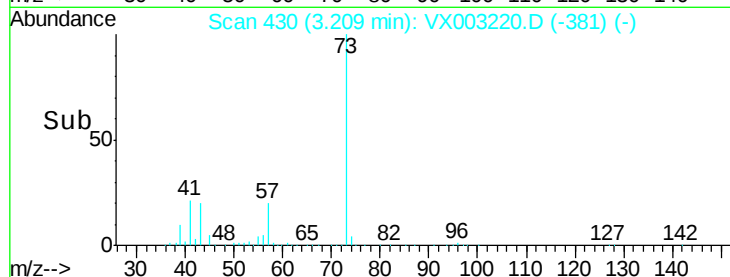
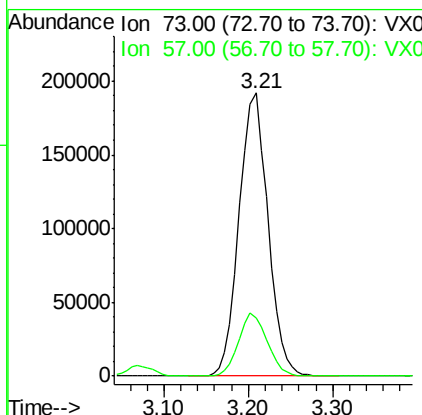
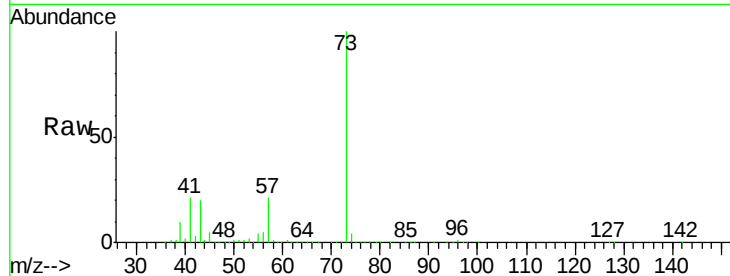
#19
Methvl tert-butvl Ether
Concen: 46.163 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 444126
Ion Ratio Lower Upper
73 100
57 20.5 17.7 26.5

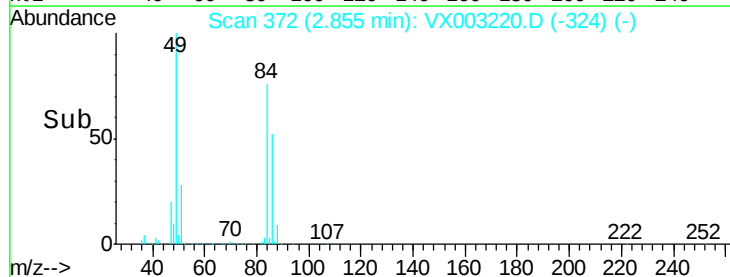
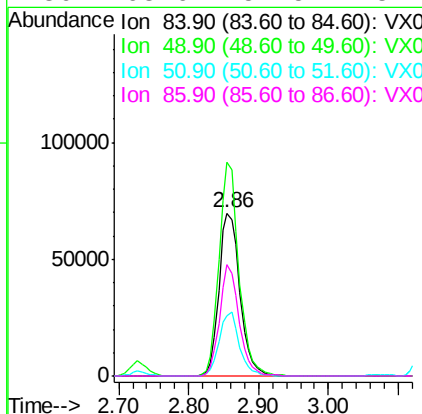
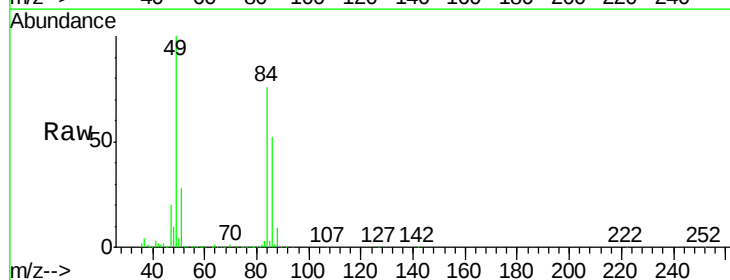
Manual Integrations
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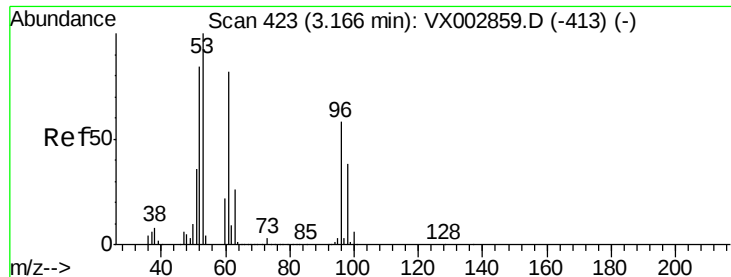
MMDadoda
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#20
Methylene Chloride
Concen: 47.928 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 84 Resp: 144869
Ion Ratio Lower Upper
84 100
49 130.9 107.8 161.6
51 37.1 32.8 49.2
86 68.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 46.673 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

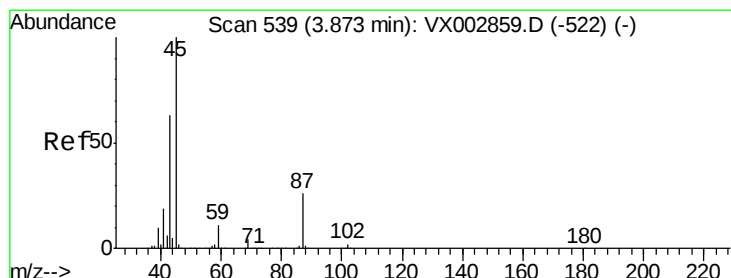
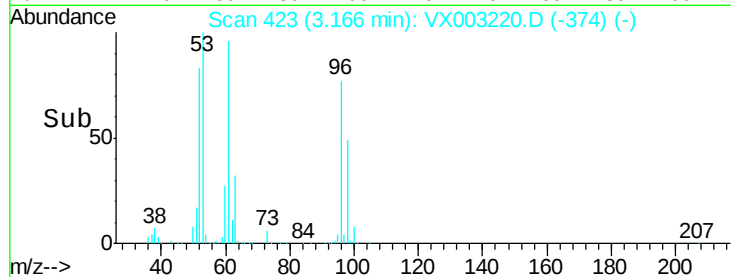
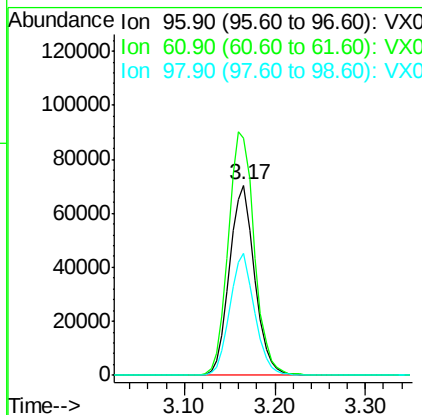
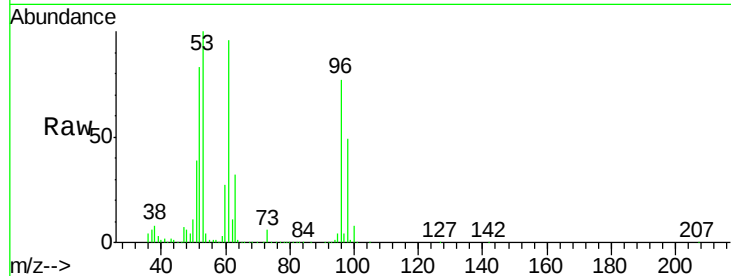
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	136042
Ion	Ratio	Lower	Upper
96	100		
61	124.7	117.0	175.4
98	63.8	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.558 ug/l

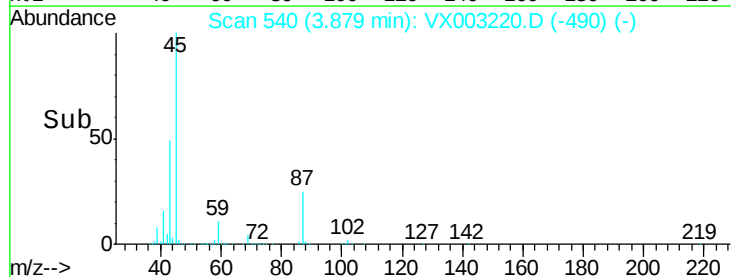
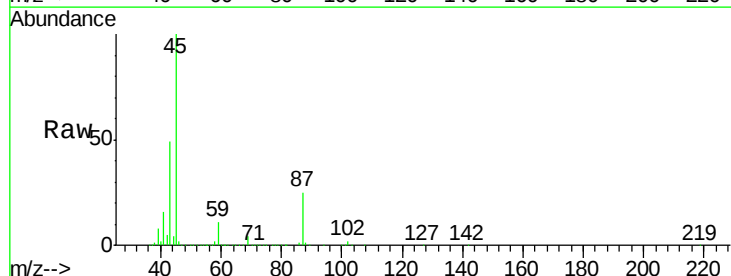
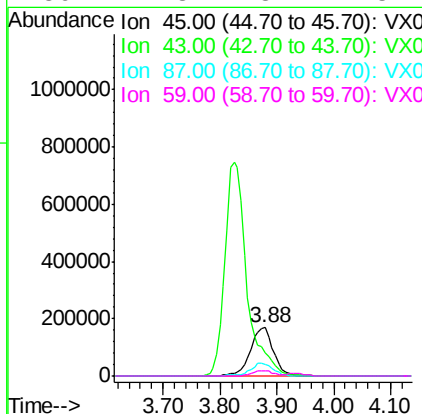
RT: 3.88 min Scan# 540

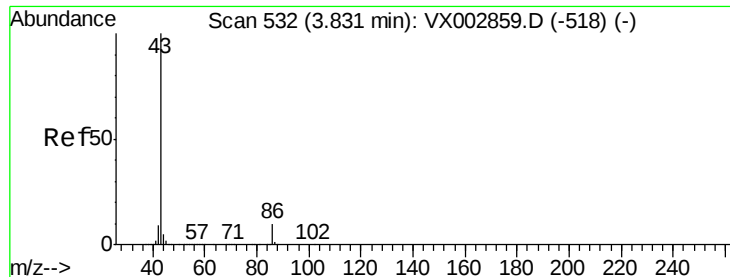
Delta R.T. 0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion:	45	Resp:	469483
Ion	Ratio	Lower	Upper
45	100		
43	48.8	46.8	70.2
87	24.9	20.2	30.4
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 235.089 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2007334

Ion Ratio Lower Upper

43 100

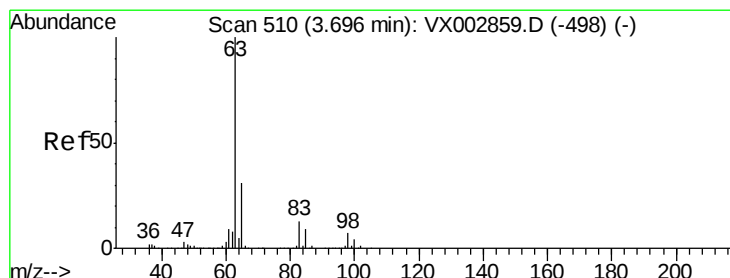
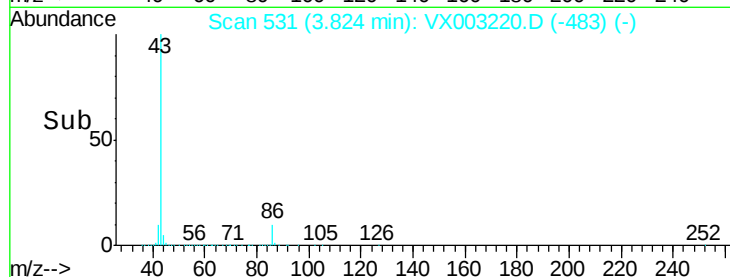
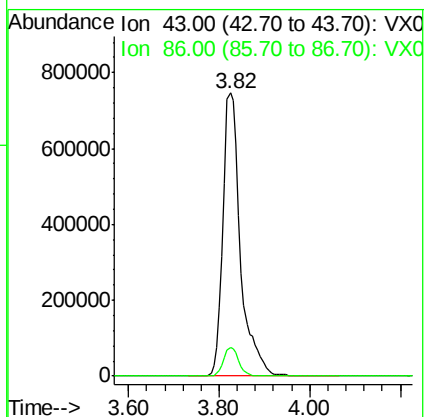
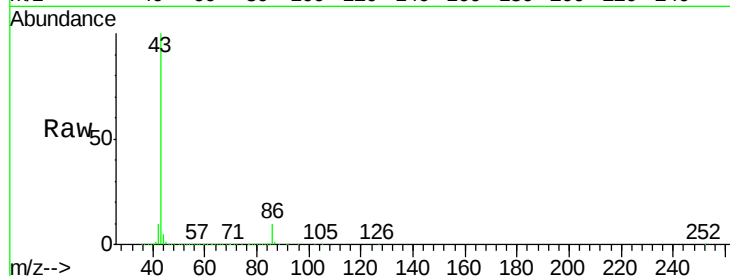
86 10.1 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.529 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

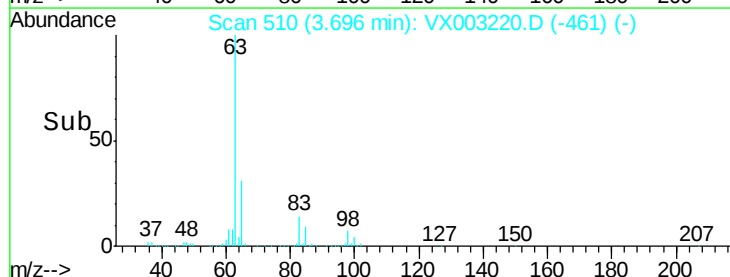
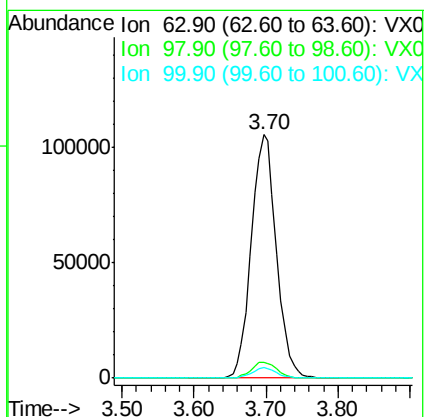
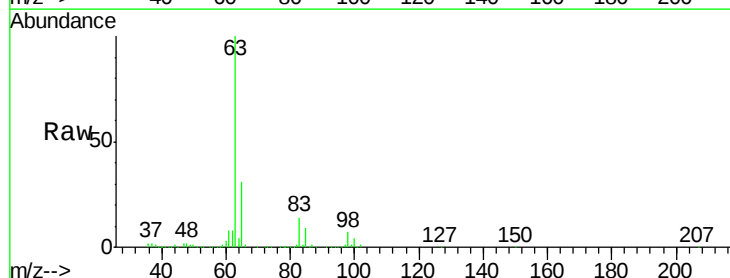
Tgt Ion: 63 Resp: 255013

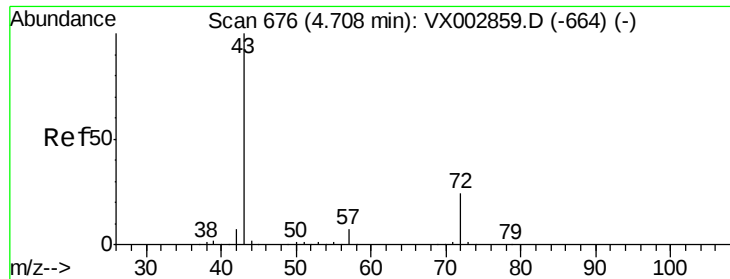
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 236.957 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 546228

Ion Ratio Lower Upper

43 100

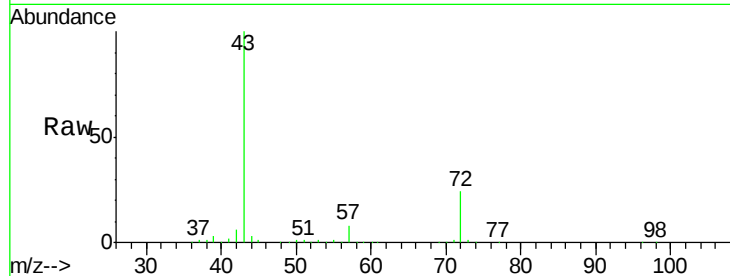
72 24.1 18.5 27.7

Manual Integrations

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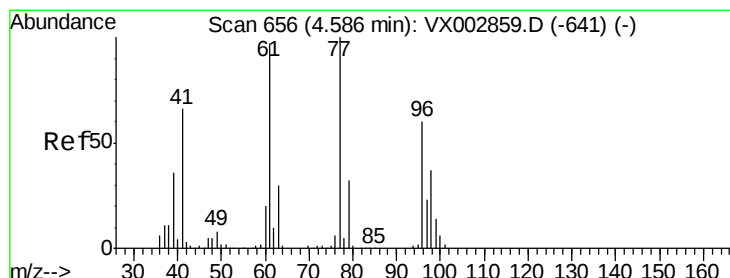
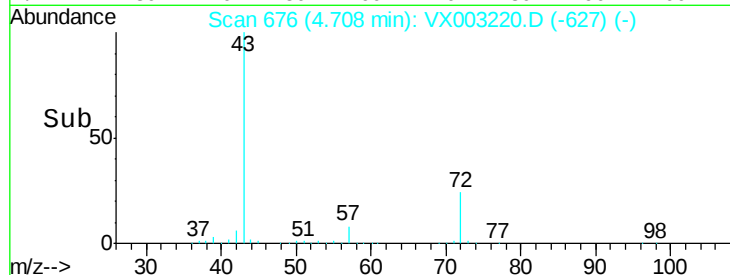
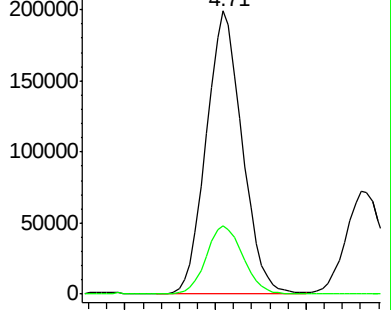
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 51.084 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003220.D

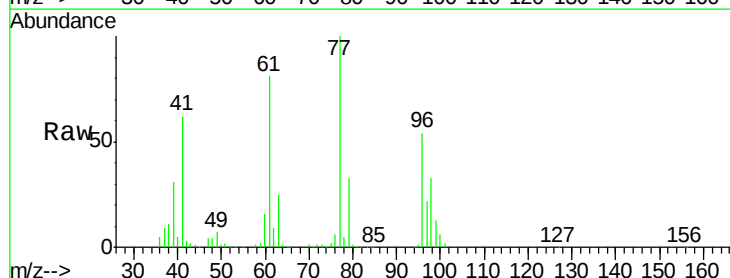
Acq: 06 Jul 2018 18:08

Tgt Ion: 77 Resp: 227663

Ion Ratio Lower Upper

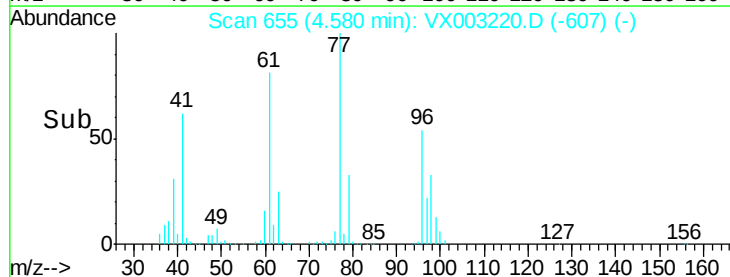
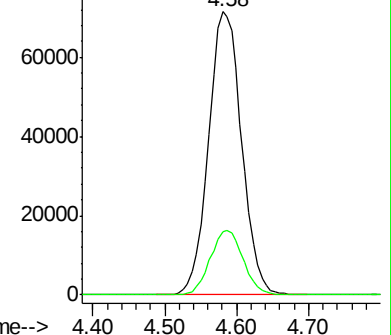
77 100

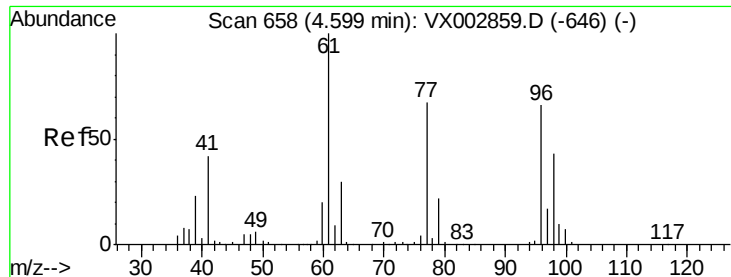
97 22.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 49.364 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

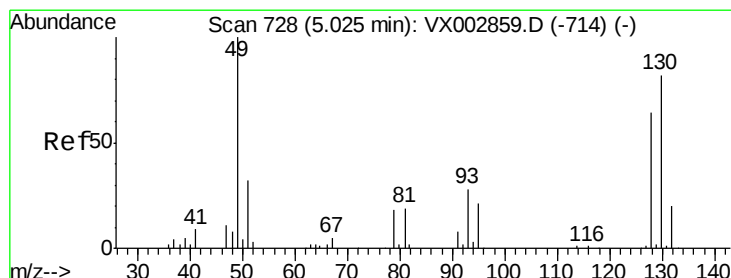
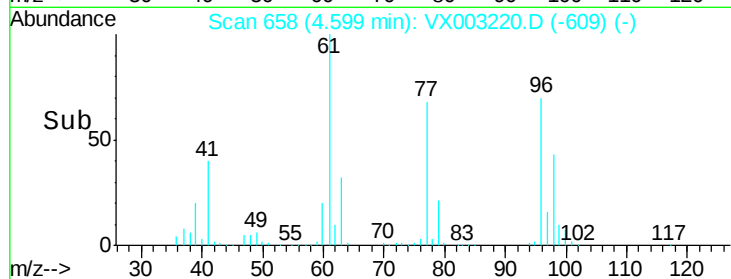
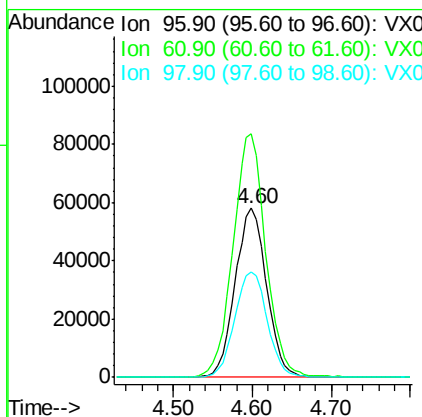
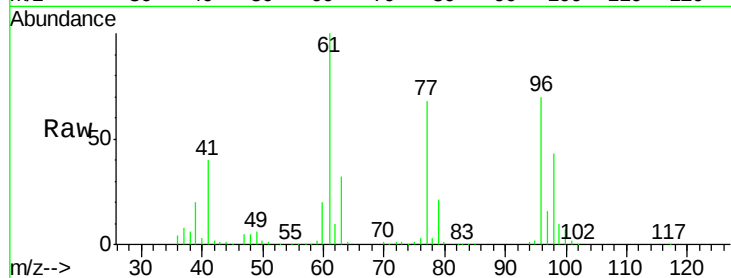
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	161328
Ion Ratio	Lower	Upper	
96	100		
61	149.8	0.0	330.2
98	64.2	0.0	130.2

Manual Integrations
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7/9/2018 12:56:53 PM



#28

Bromochloromethane

Concen: 45.989 ug/l

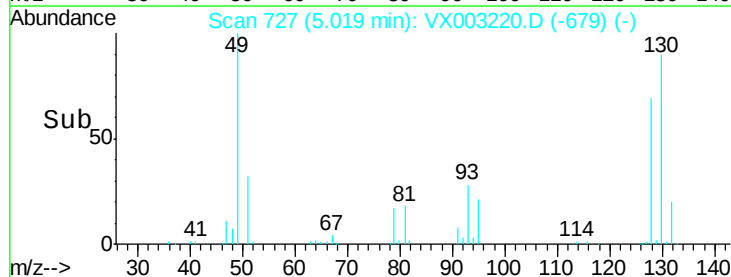
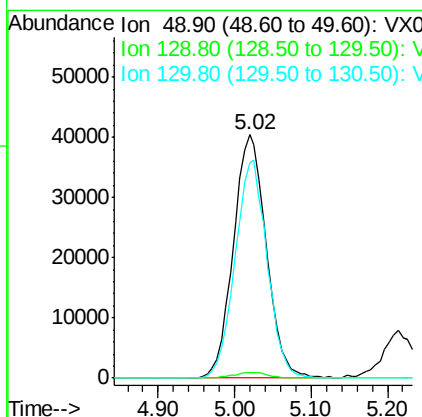
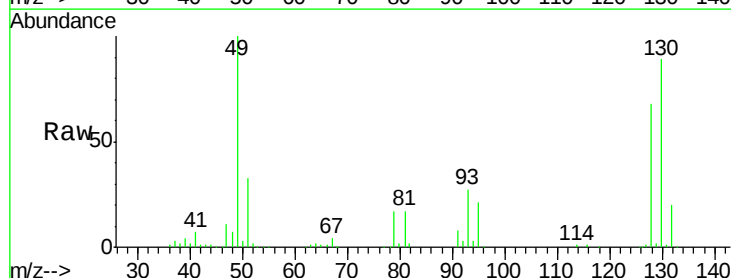
RT: 5.02 min Scan# 727

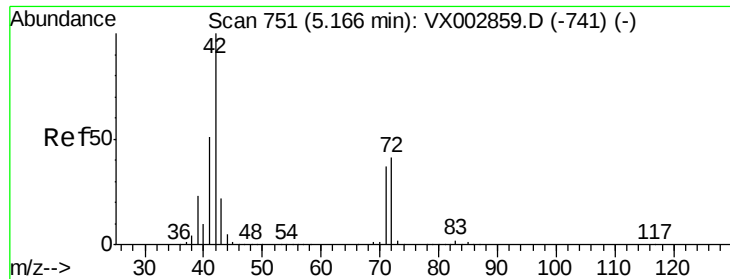
Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion:	49	Resp:	120645
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.2
130	87.3	61.2	91.8





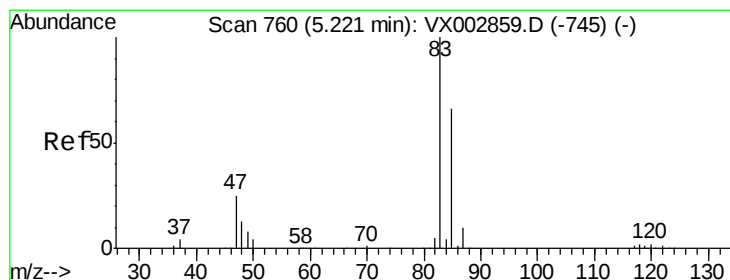
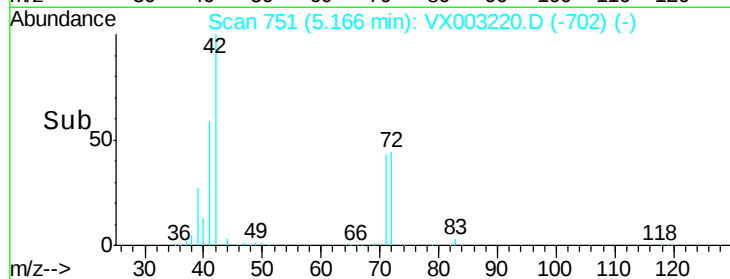
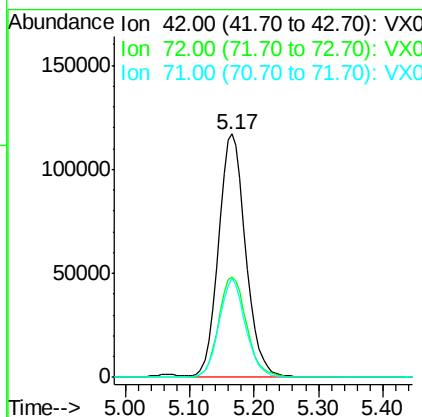
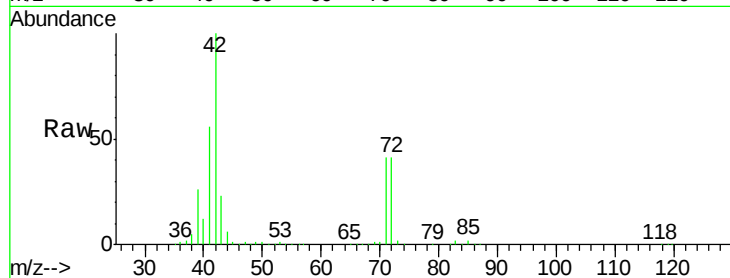
#29
Tetrahydrofuran
Concen: 234.311 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	32.0	48.0
71	39.5	30.1	45.1

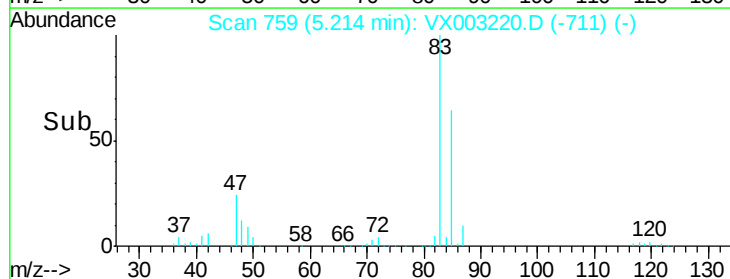
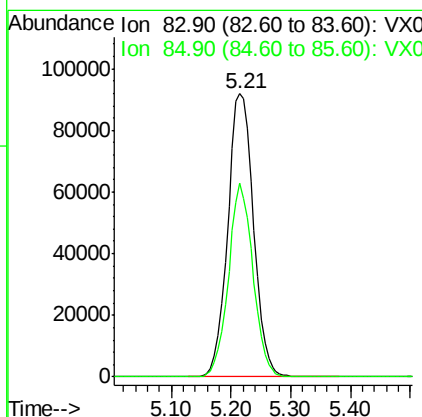
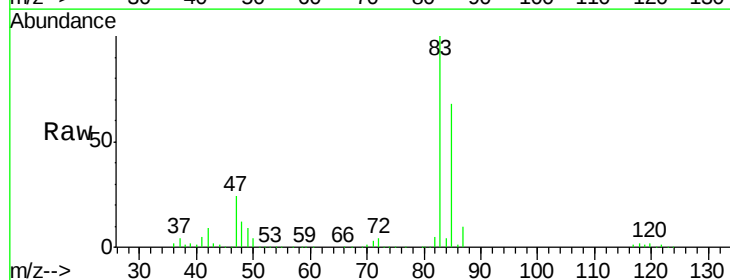
Manual Integrations
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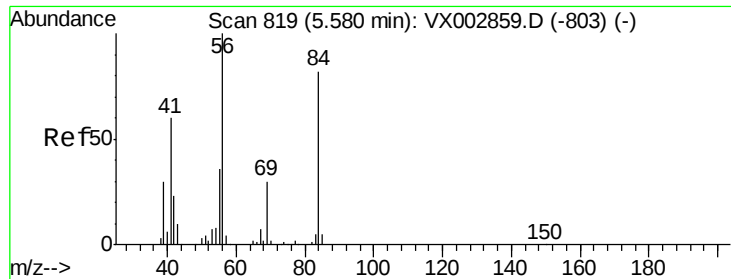
MMDadoda
7/9/2018 12:56:53 PM



#30
Chloroform
Concen: 49.113 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.4	75.6





#31

Cyclohexane

Concen: 47.465 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

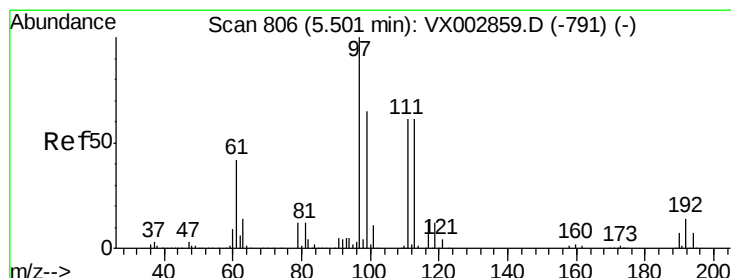
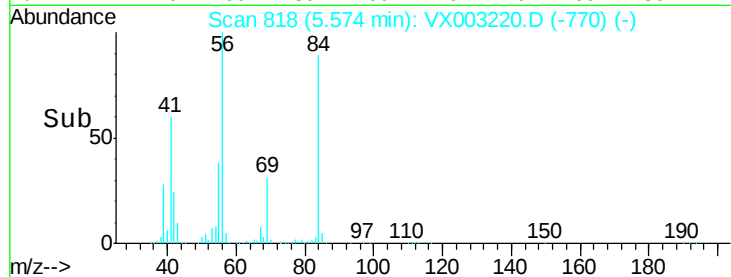
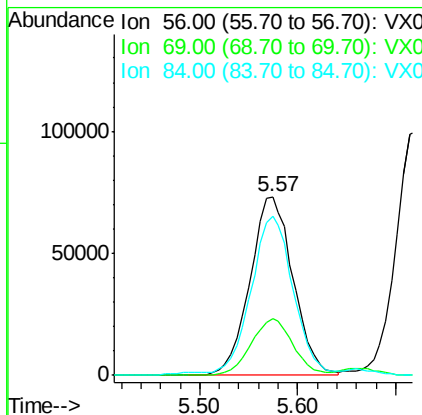
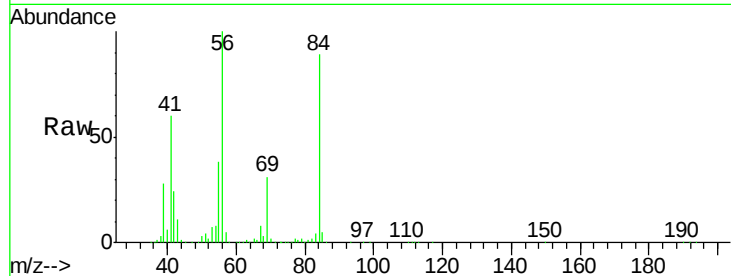
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	223258
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.7	35.5
84	87.4	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.665 ug/l

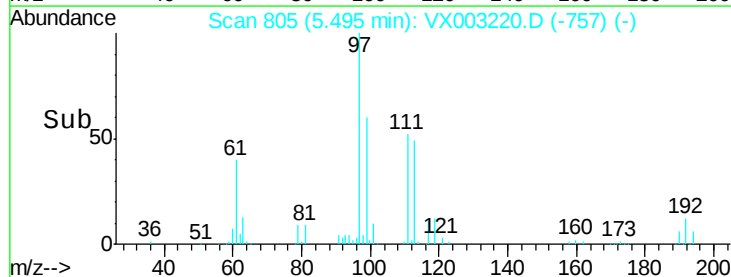
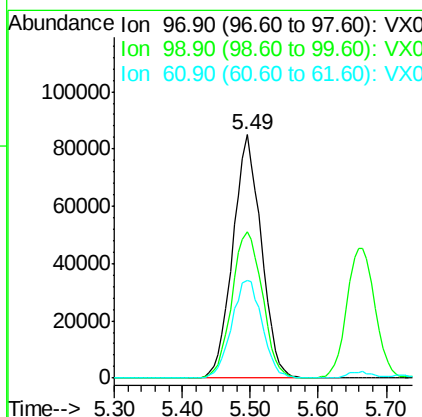
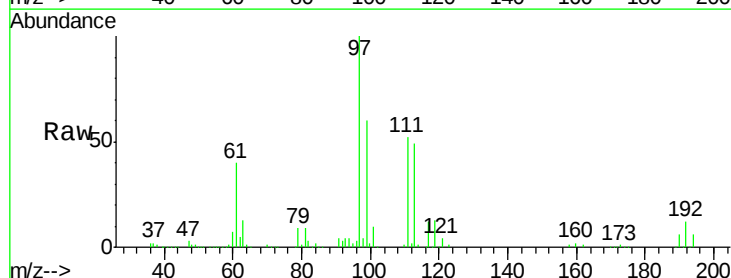
RT: 5.49 min Scan# 805

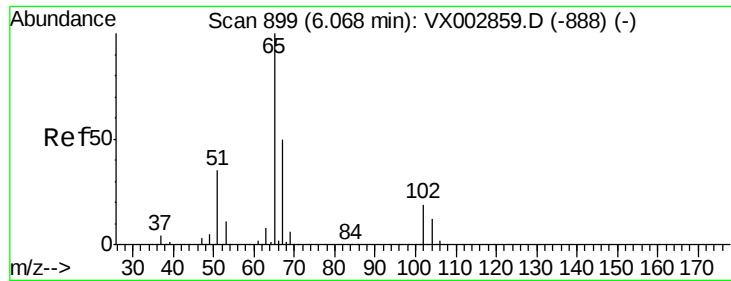
Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion:	97	Resp:	245779
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	43.2	36.4	54.6





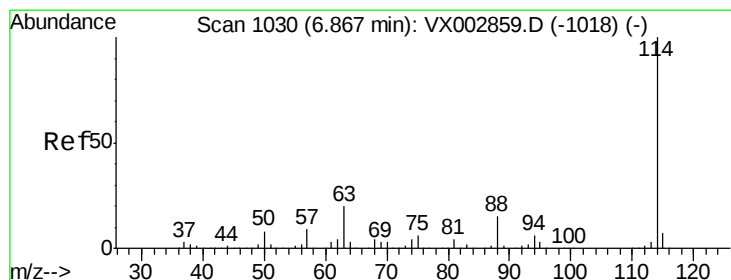
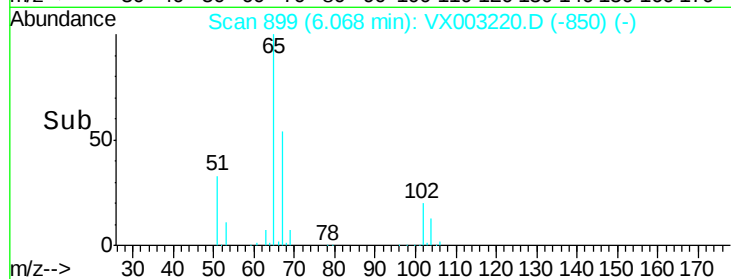
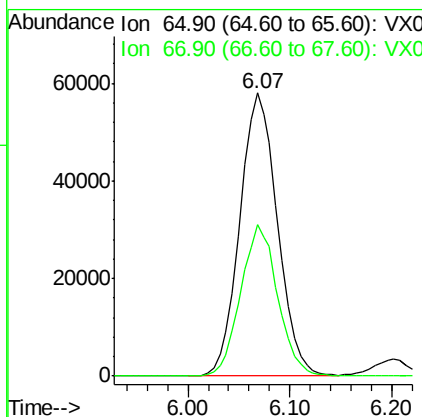
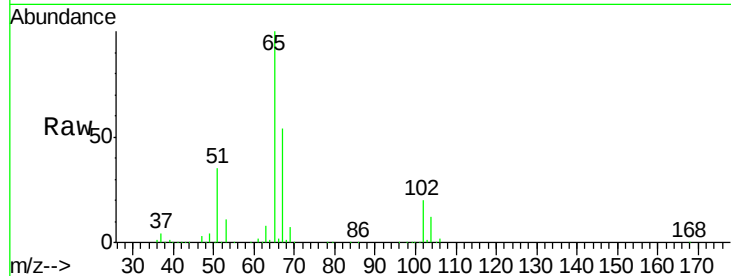
#33
 1,2-Dichloroethane-d4
 Concen: 39.725 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.6

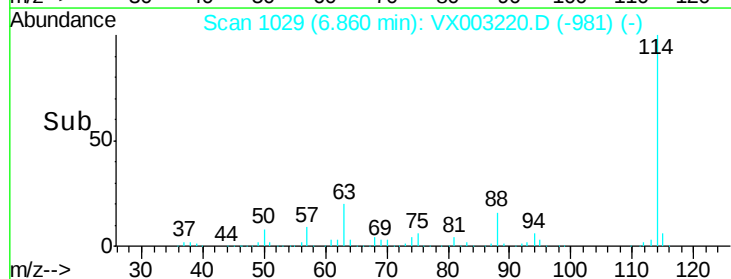
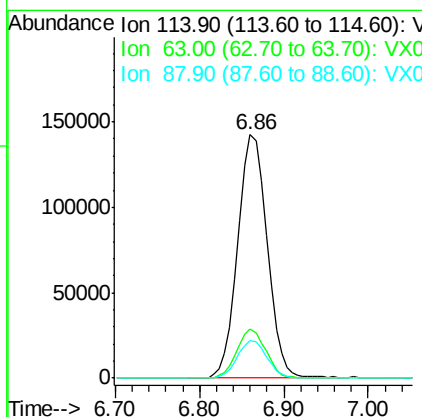
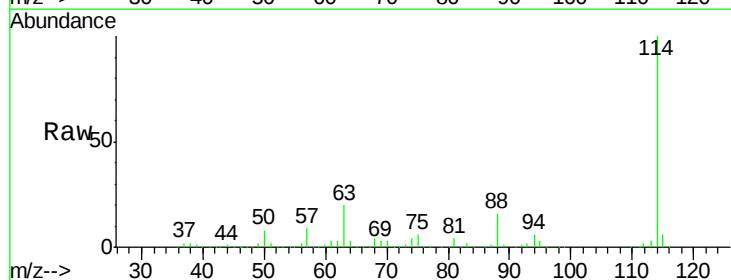
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.4
88	15.6	0.0	30.0





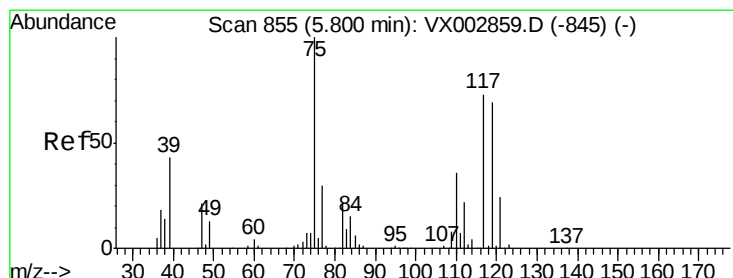
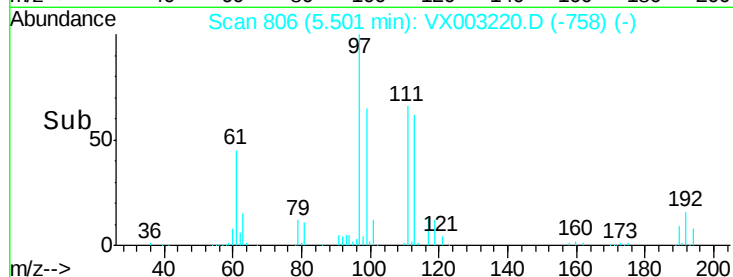
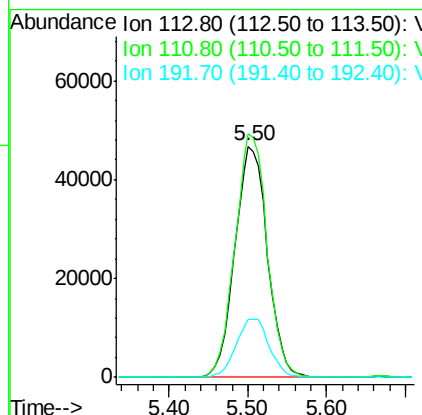
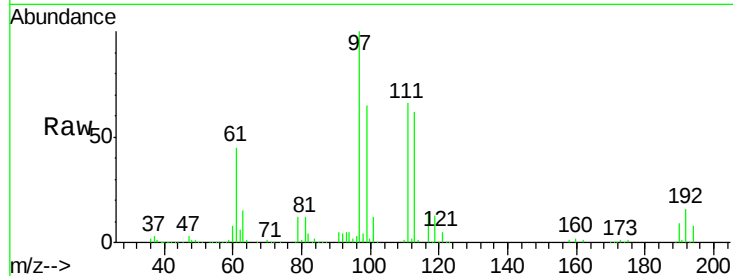
#35
Dibromofluoromethane
Concen: 50.301 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	134226		
111	103.9	81.4	122.0	
192	25.6	19.1	28.7	

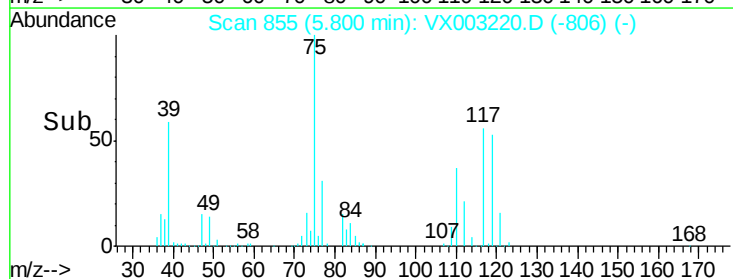
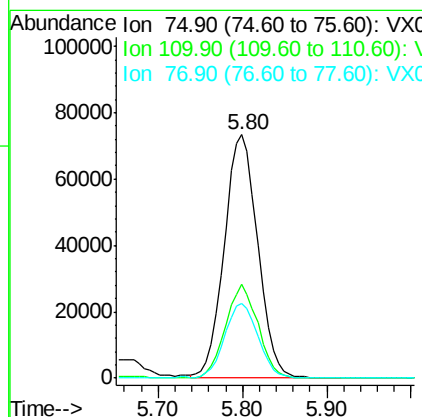
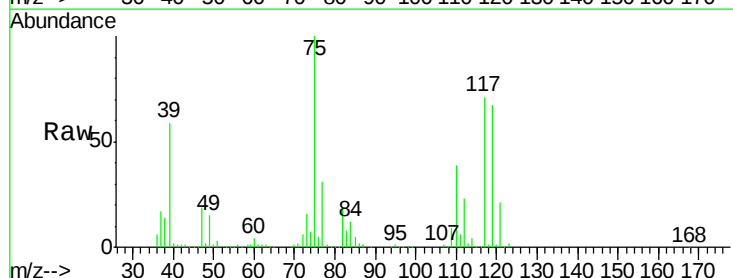
Manual Integrations
APPROVED

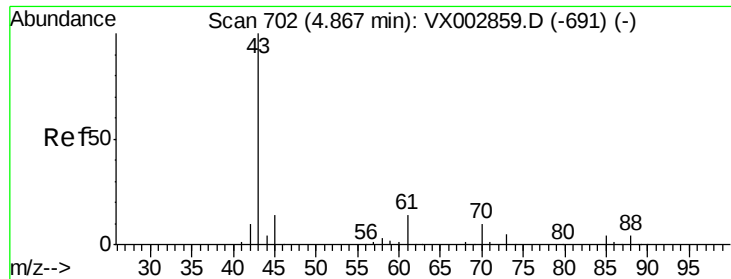
MMDadoda
7/9/2018 12:56:53 PM



#36
1,1-Dichloropropene
Concen: 53.670 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	198325		
110	37.6	18.1	54.4	
77	30.6	24.3	36.5	





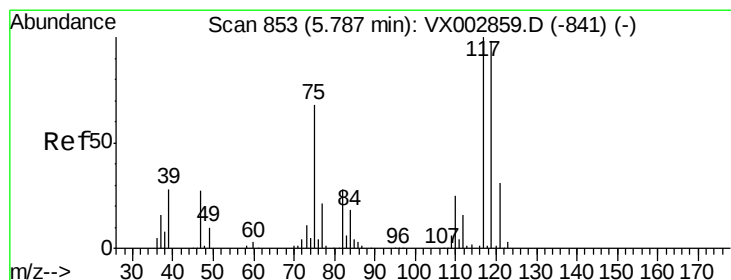
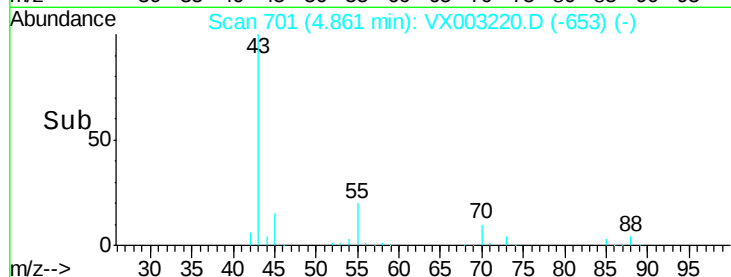
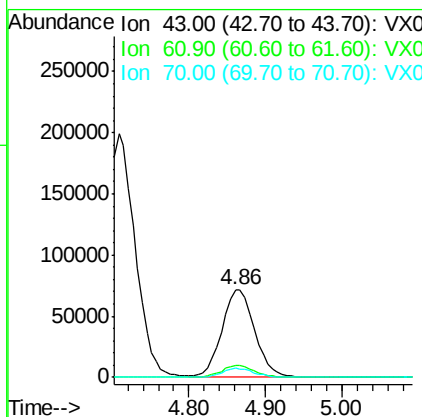
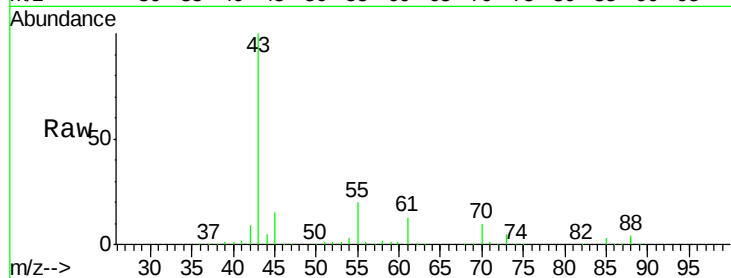
#37
Ethyl Acetate
Concen: 53.011 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	10.1	7.6	11.4

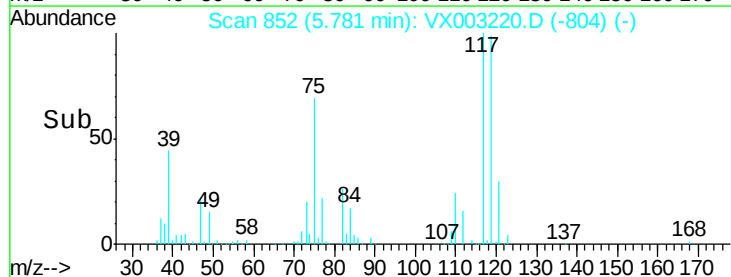
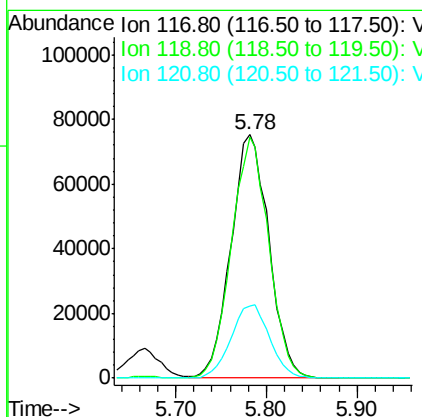
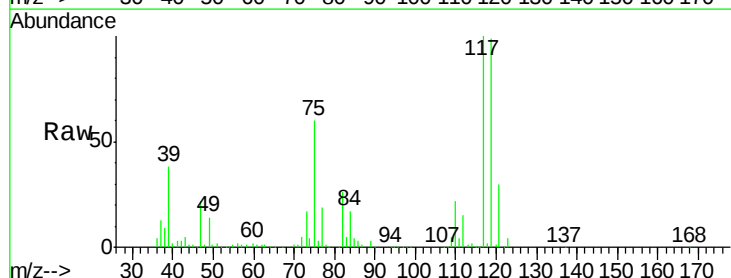
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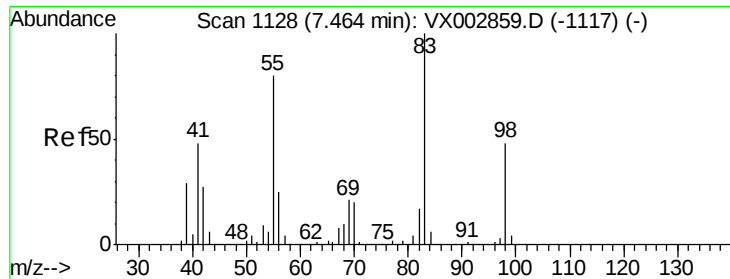
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.859 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.4	116.0
121	29.9	24.4	36.6





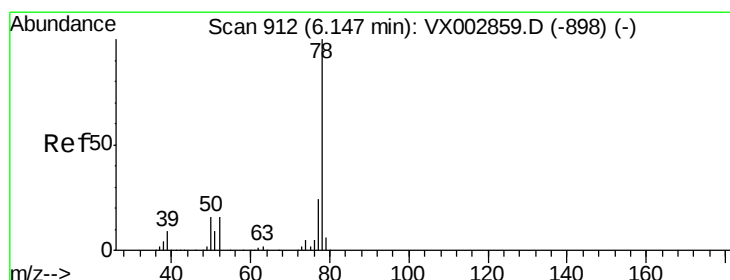
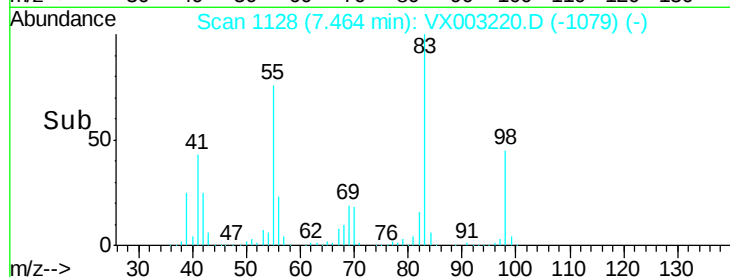
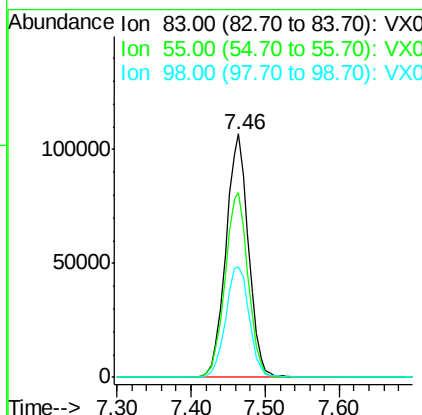
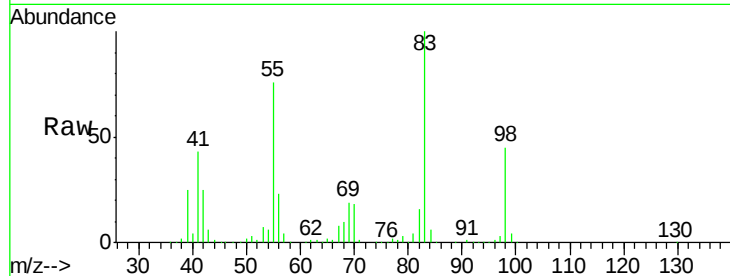
#39
Methvlcvclohexane
Concen: 52.440 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	225715		
55	75.8		65.4	98.0
98	45.3		37.4	56.0

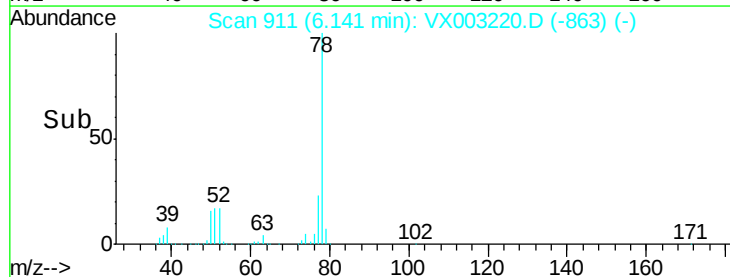
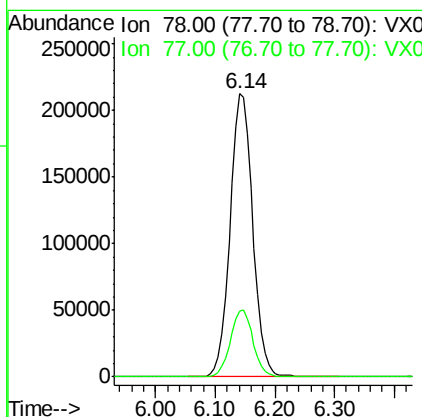
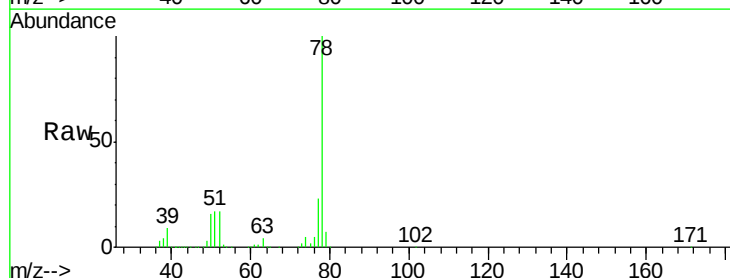
Manual Integrations
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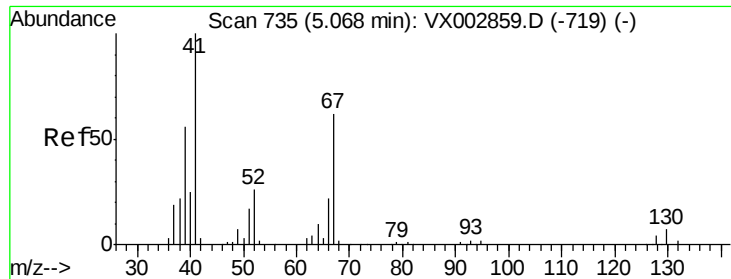
MMDadoda
7/9/2018 12:56:53 PM



#40
Benzene
Concen: 52.307 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	561611		
77	23.1		19.1	28.7





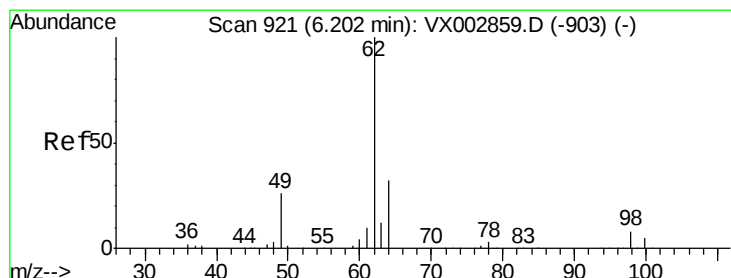
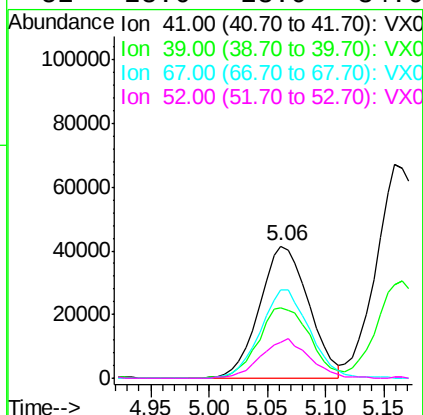
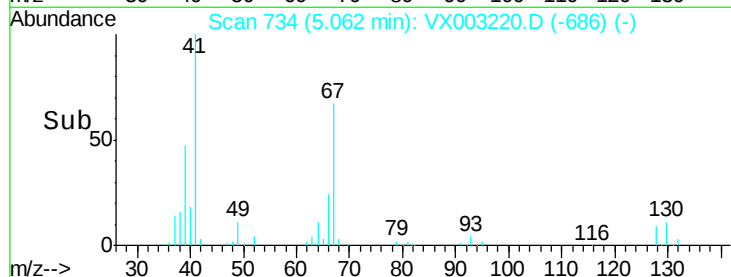
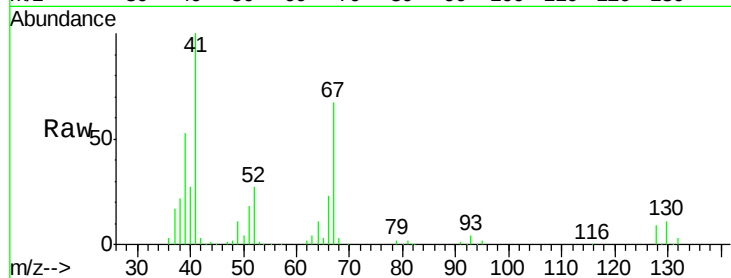
#41
Methacrylonitrile
Concen: 52.927 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	45.8	68.6	
67	67.4	51.3	76.9	
52	28.6	23.0	34.6	

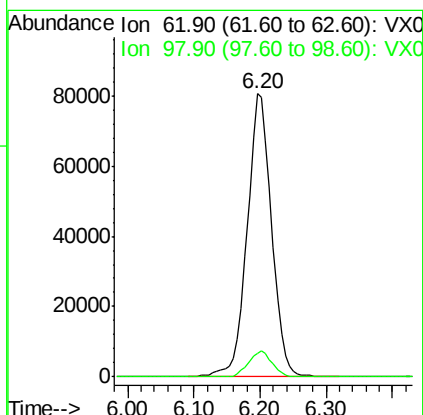
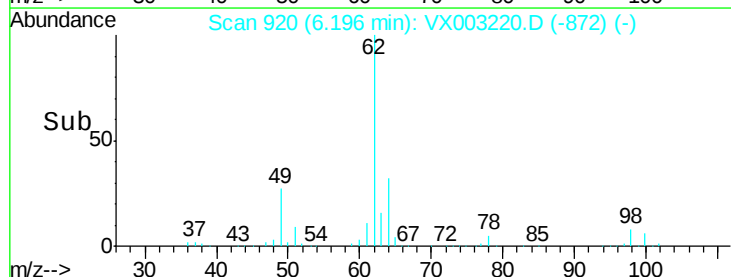
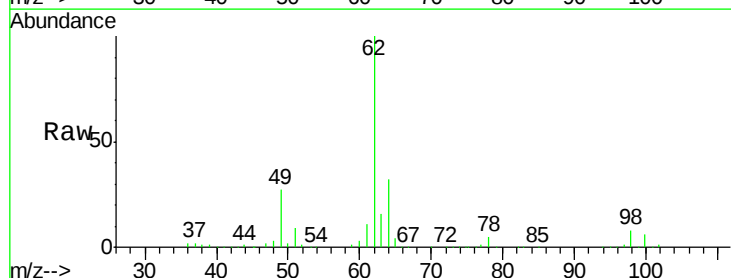
Manual Integrations
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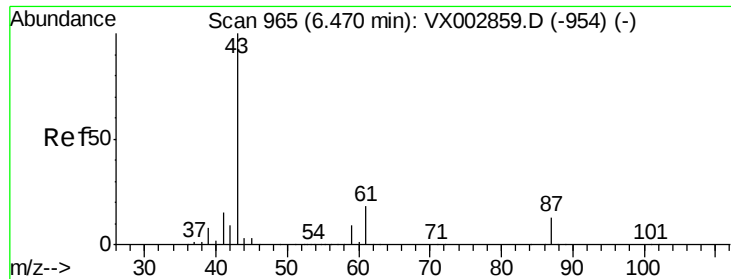
MMDadoda
7/9/2018 12:56:53 PM



#42
1,2-Dichloroethane
Concen: 47.674 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	16.6	





#43

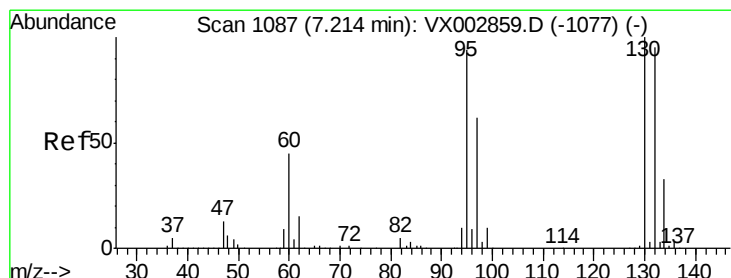
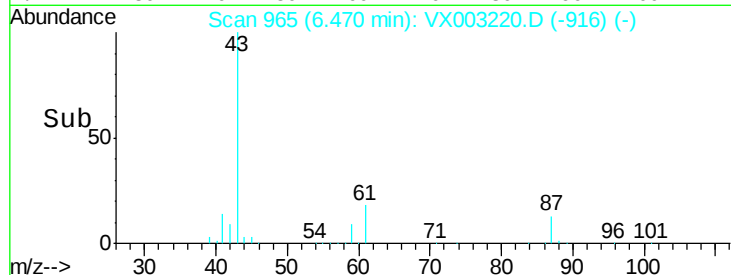
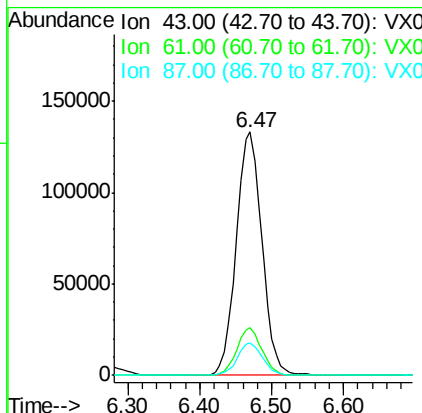
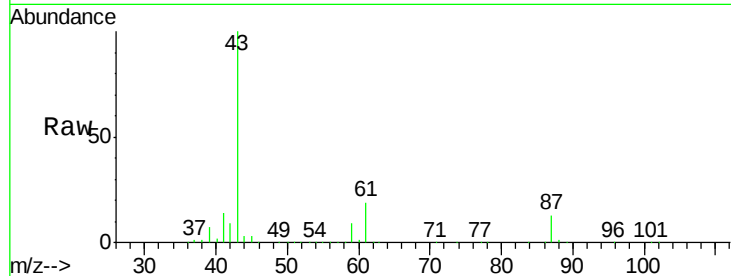
Isopropyl Acetate
 Concen: 49.295 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.4	21.6
87	13.1	9.5	14.3

Manual Integrations
 APPROVED

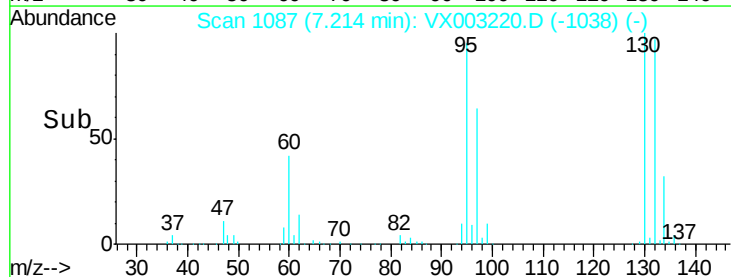
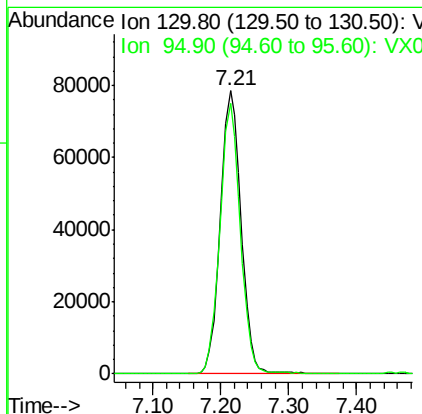
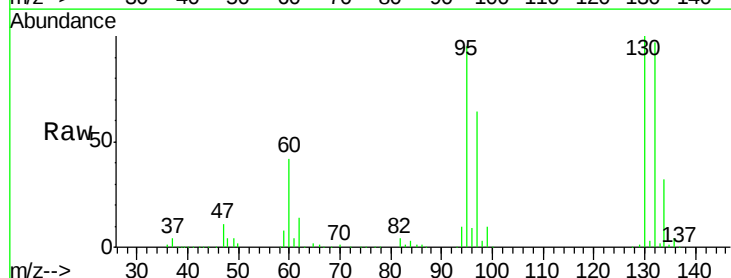
MMDadoda
 7/9/2018 12:56:53 PM



#44

Trichloroethene
 Concen: 52.144 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	185.4





#45

1,2-Dichloropropane

Concen: 51.893 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 147796

Ion Ratio Lower Upper

63 100

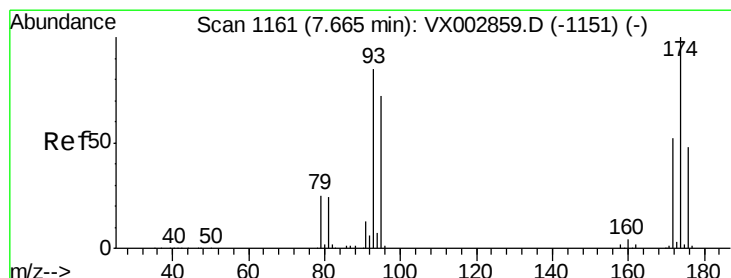
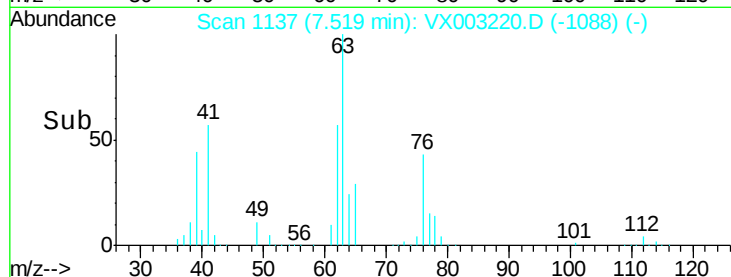
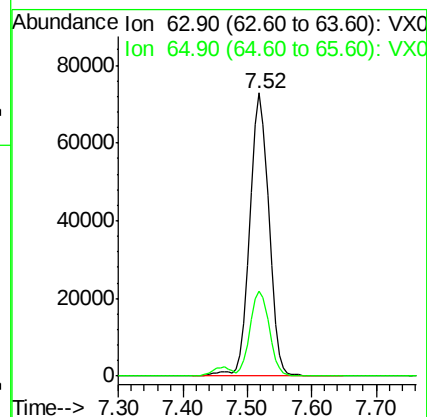
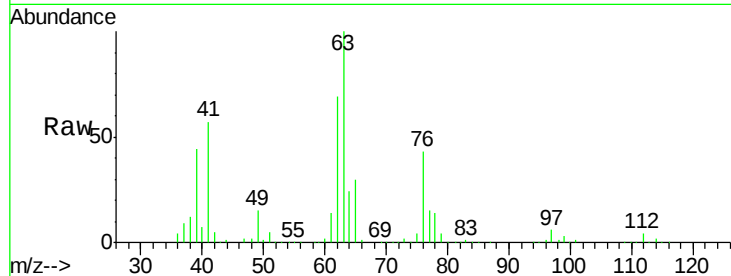
65 30.2 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 50.270 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

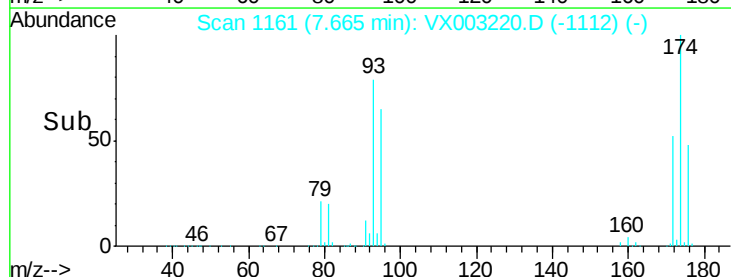
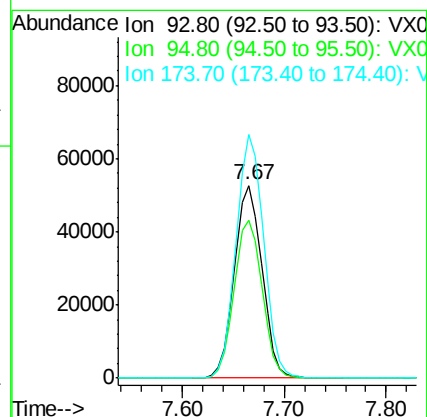
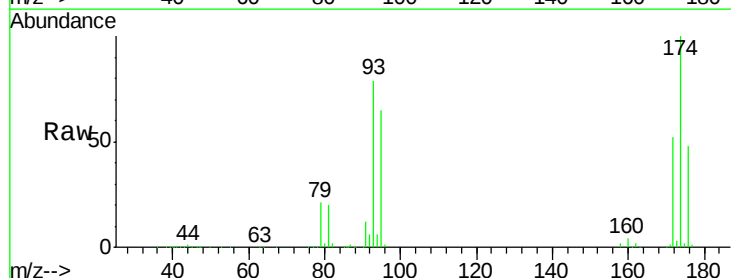
Tgt Ion: 93 Resp: 99360

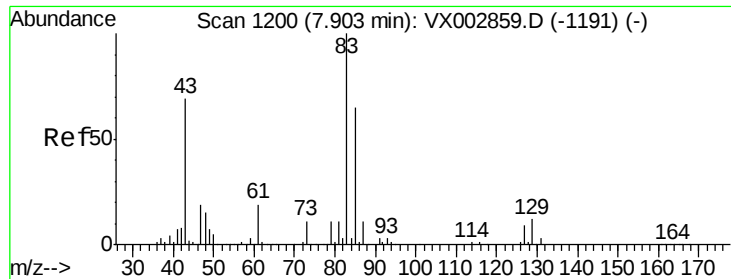
Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

174 125.8 92.4 138.6





#47

Bromodichloromethane

Concen: 52.774 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

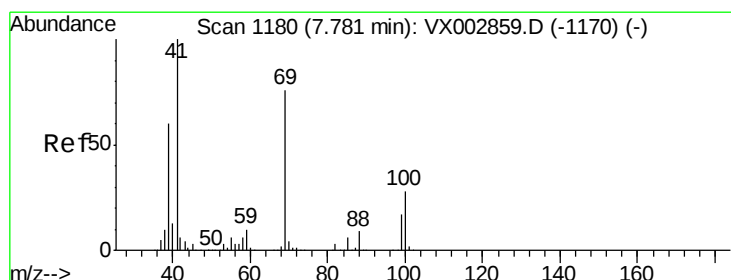
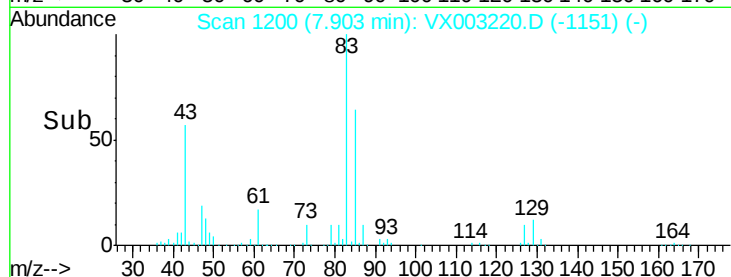
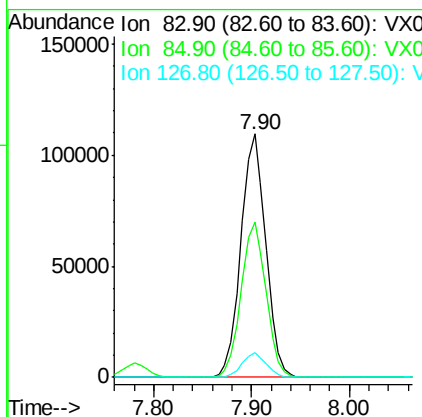
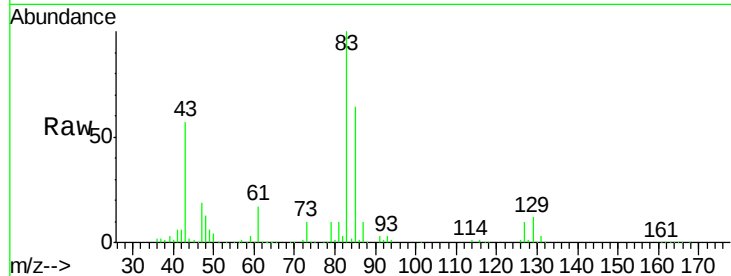
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	192836
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.3	75.5
127	10.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.334 ug/l

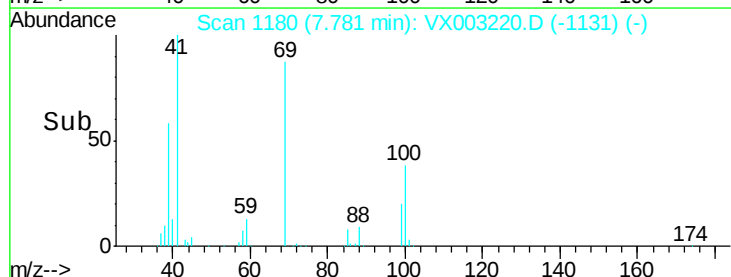
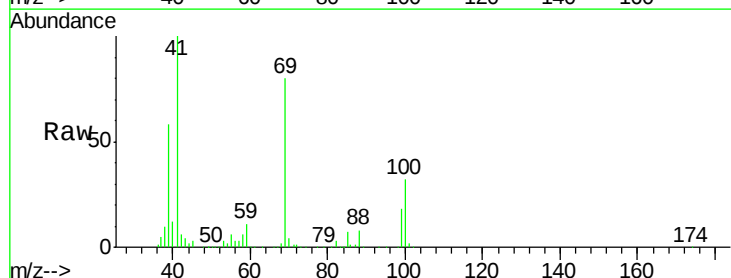
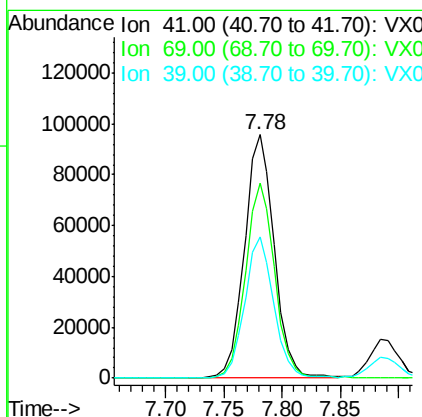
RT: 7.78 min Scan# 1180

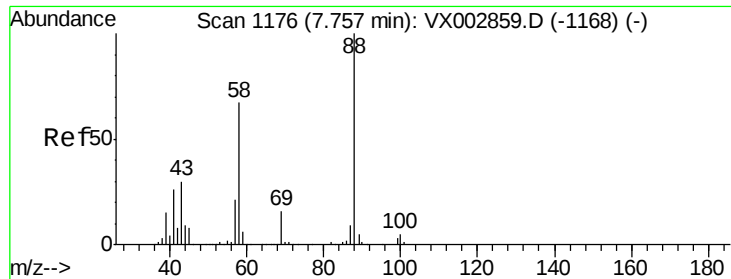
Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion:	41	Resp:	169622
Ion Ratio	Lower	Upper	
41	100		
69	79.3	59.1	88.7
39	56.5	48.9	73.3





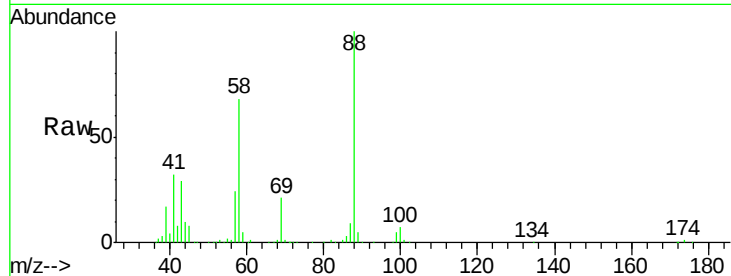
#49
1,4-Dioxane
Concen: 1008.183 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	29.8	44.6
58	69.8	57.1	85.7

Manual Integrations
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7/9/2018 12:56:53 PM

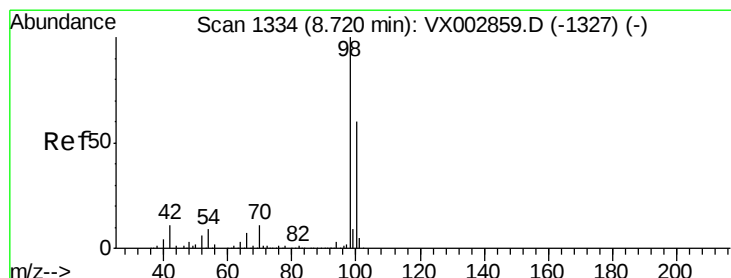
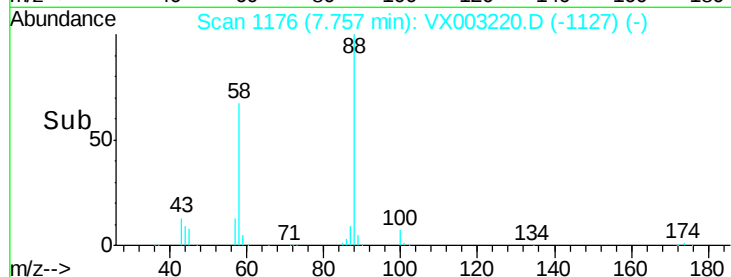
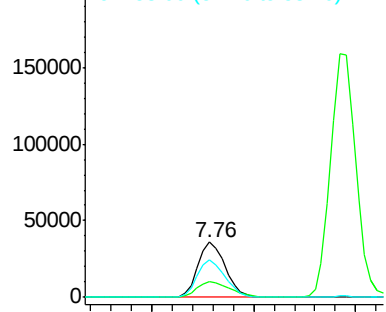


Abundance

Ion 88.00 (87.70 to 88.70): VX0

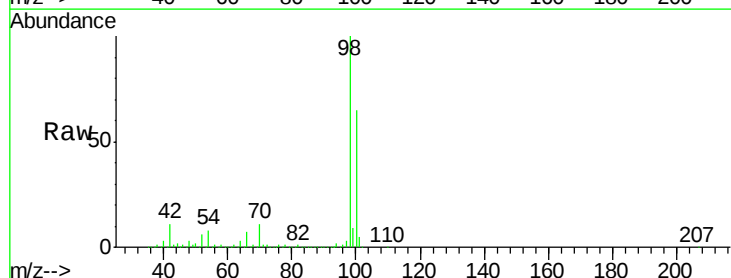
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 45.363 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

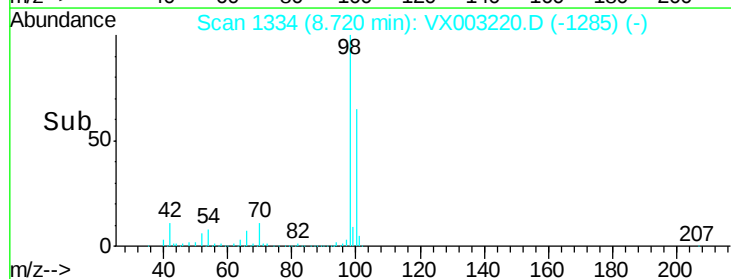
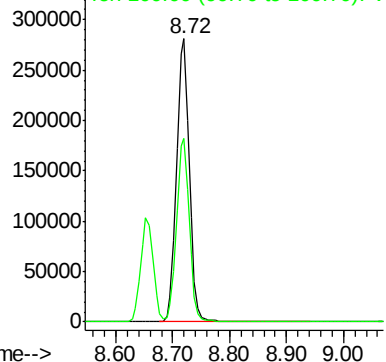
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3

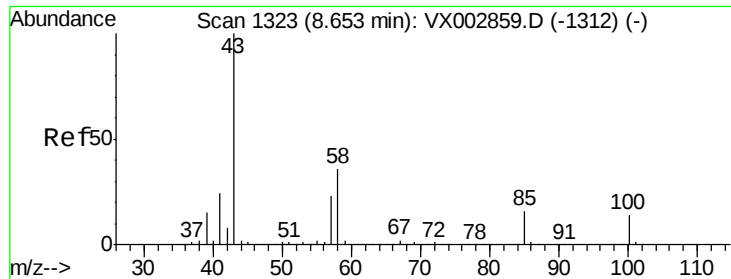


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





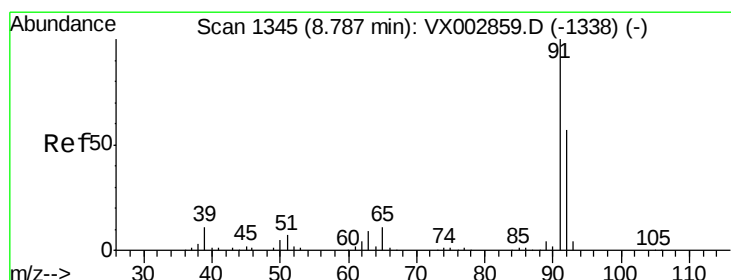
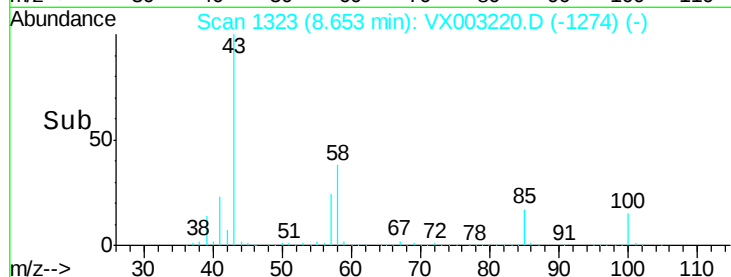
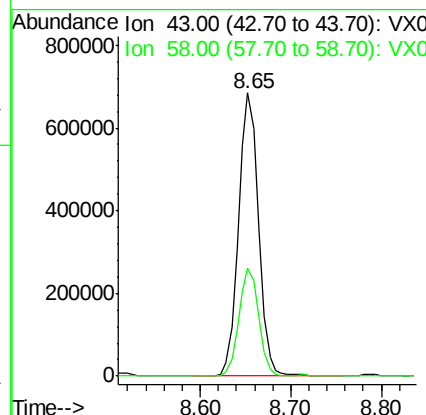
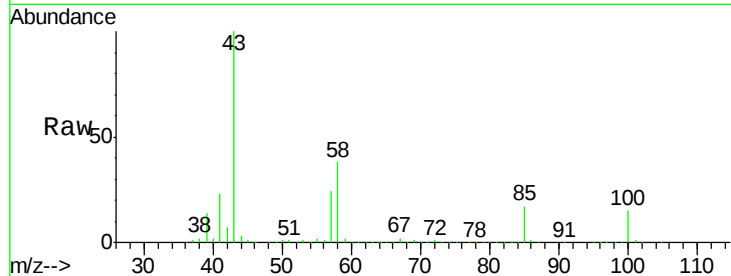
#51
4-Methyl-2-Pentanone
Concen: 252.997 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1056233
Ion Ratio Lower Upper
43 100
58 37.7 28.6 42.8

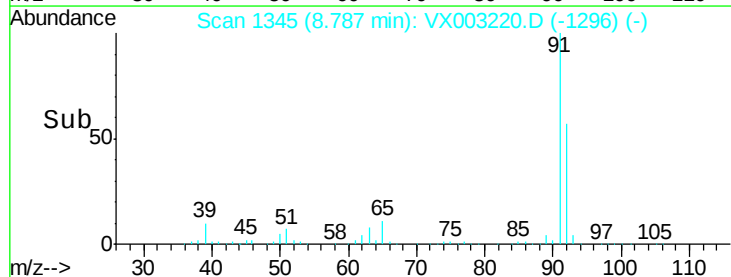
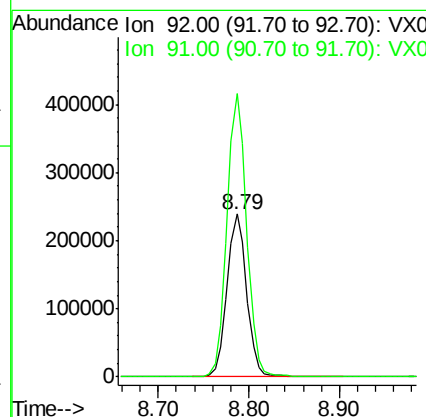
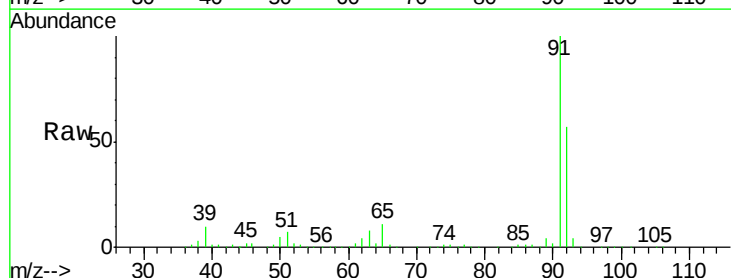
Manual Integrations
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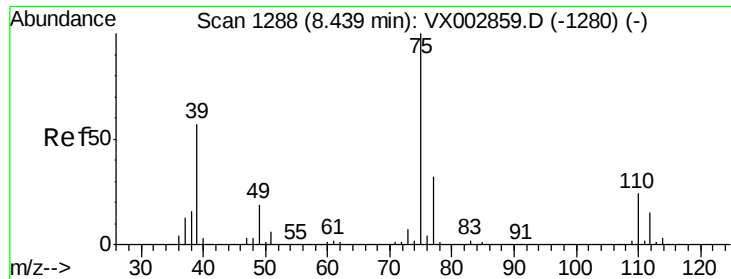
MMDadoda
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#52
Toluene
Concen: 52.496 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 92 Resp: 361078
Ion Ratio Lower Upper
92 100
91 174.7 140.4 210.6





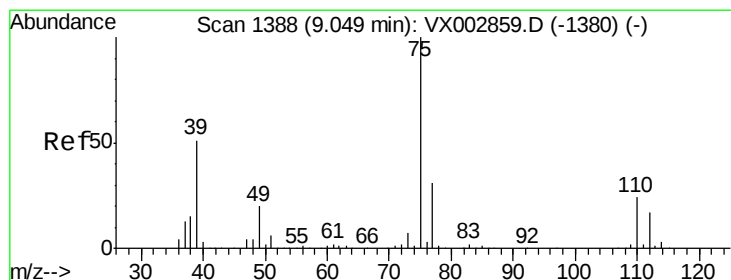
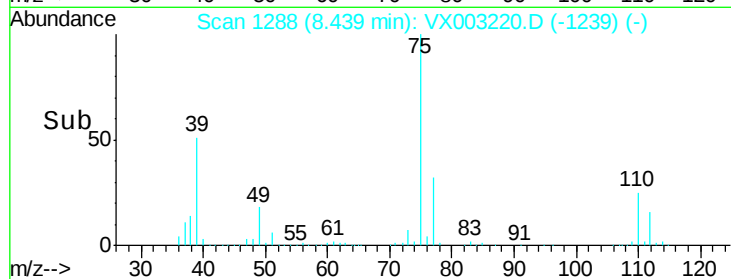
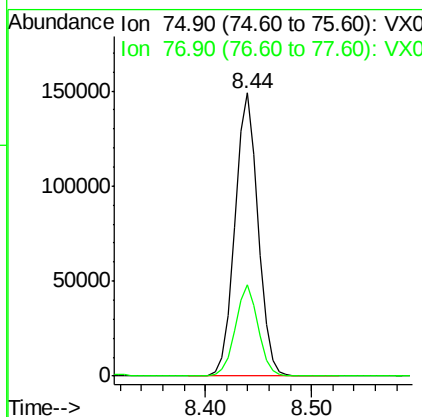
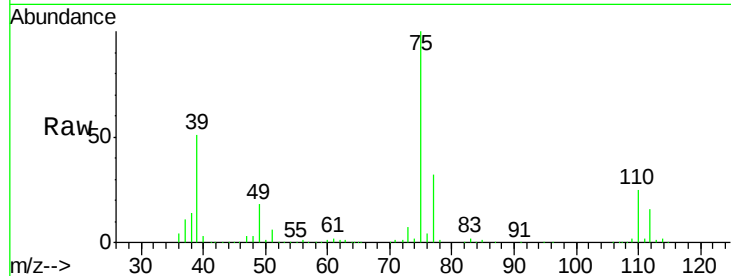
#53
t-1,3-Dichloropropene
Concen: 54.951 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 227398
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2

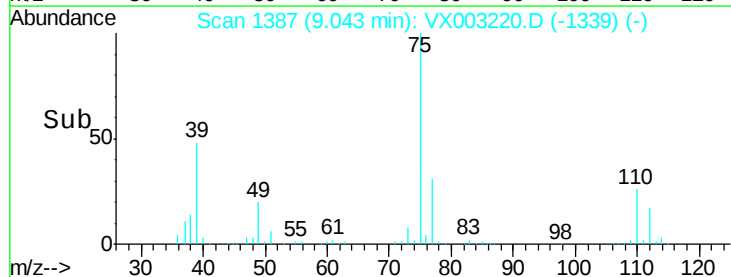
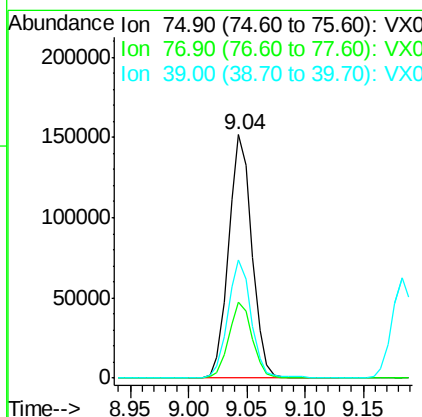
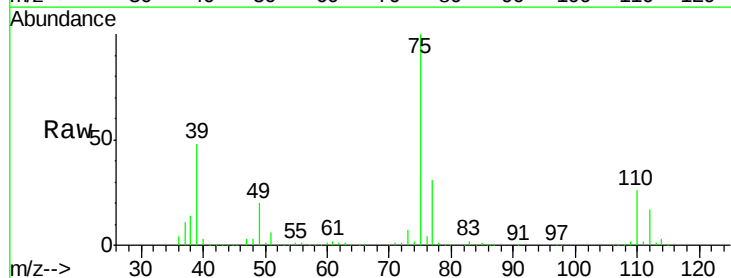
Manual Integrations
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7/9/2018 12:56:53 PM



#54
cis-1,3-Dichloropropene
Concen: 53.093 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion: 75 Resp: 211404
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 48.3 42.4 63.6





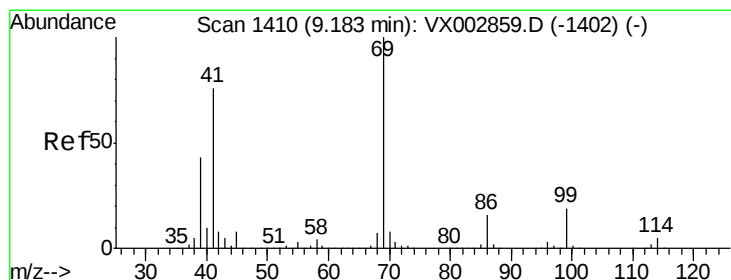
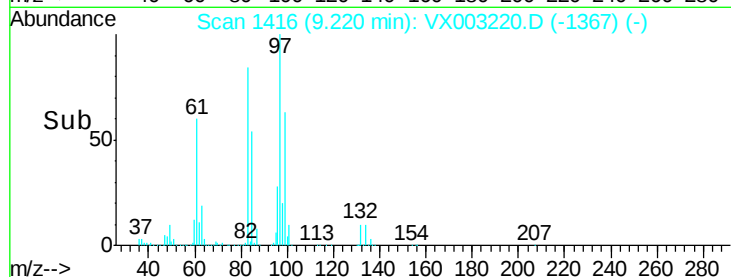
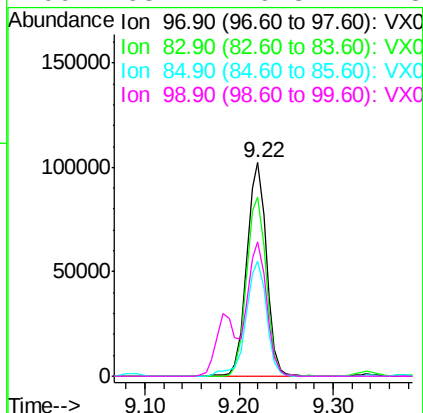
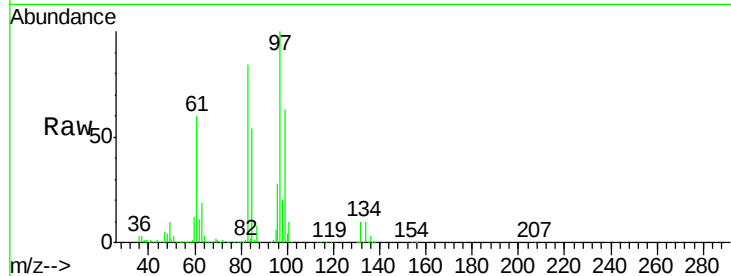
#55
 1,1,2-Trichloroethane
 Concen: 52.851 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		149378		
83	83.6	70.2	105.2		
85	54.0	44.9	67.3		
99	63.1	49.8	74.8		

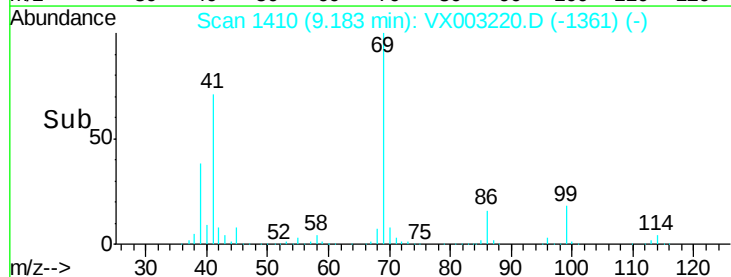
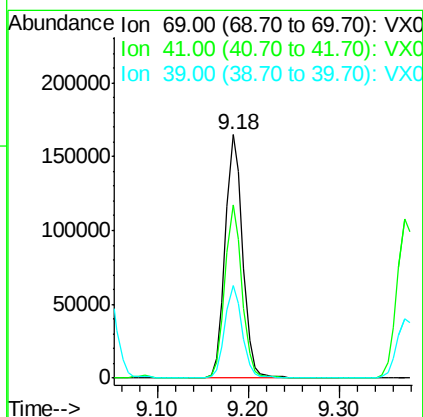
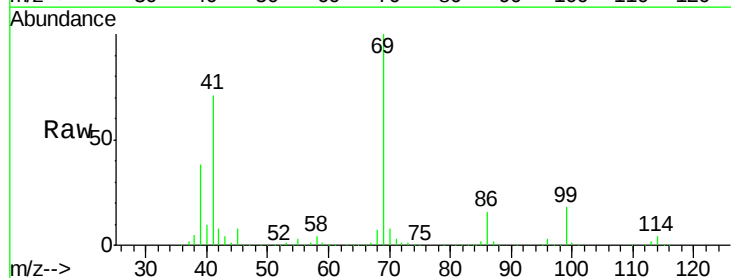
Manual Integrations
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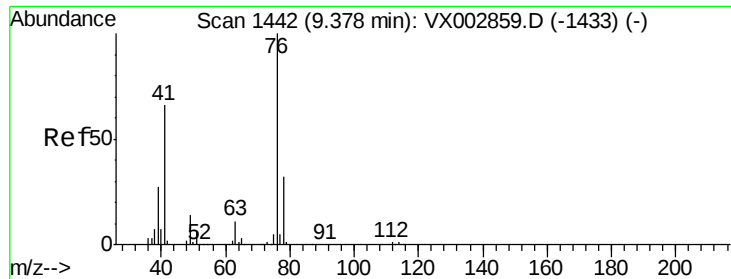
MMDadoda
 7/9/2018 12:56:53 PM



#56
 Ethyl methacrylate
 Concen: 53.614 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		221467		
41	69.7	60.3	90.5		
39	37.8	35.8	53.8		





#57

1,3-Dichloropropane

Concen: 52.257 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 242583

Ion Ratio Lower Upper

76 100

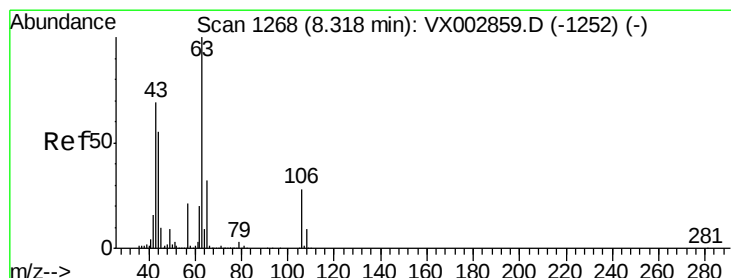
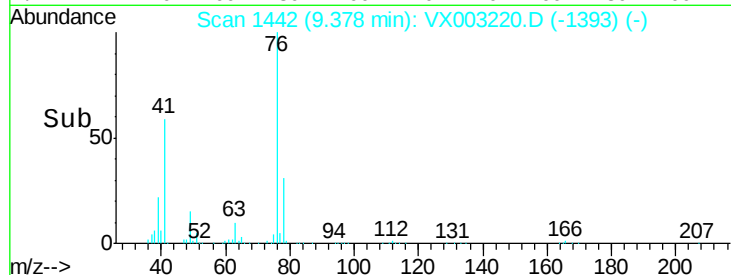
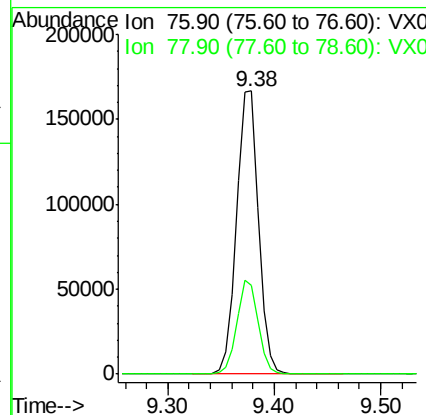
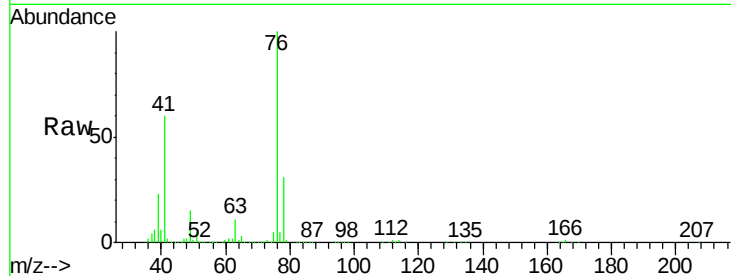
78 32.2 25.8 38.6

Manual Integrations

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7/9/2018 12:56:53 PM



#58

2-Chloroethyl Vinyl ether

Concen: 257.921 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003220.D

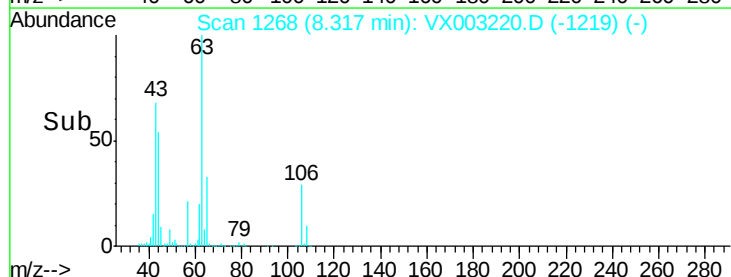
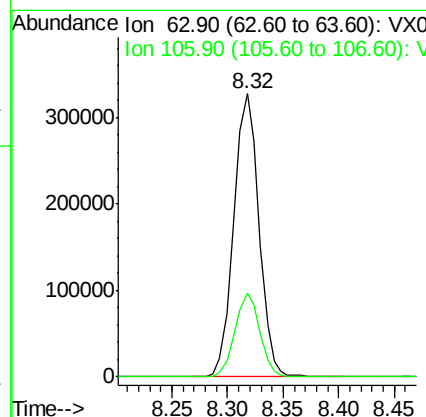
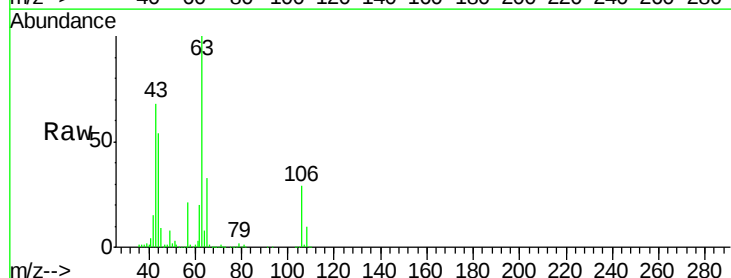
Acq: 06 Jul 2018 18:08

Tgt Ion: 63 Resp: 513993

Ion Ratio Lower Upper

63 100

106 29.1 21.8 32.8





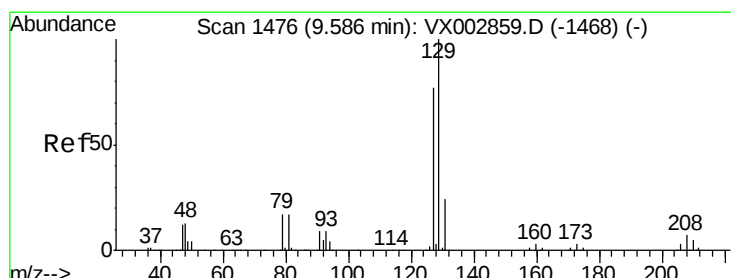
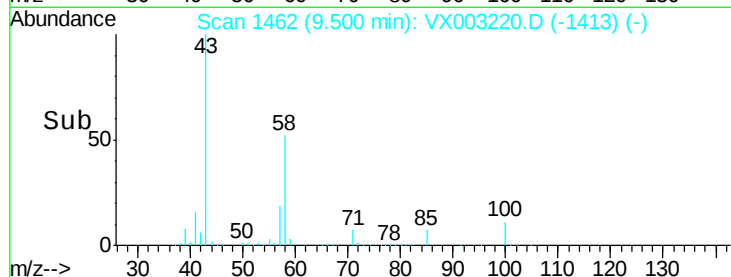
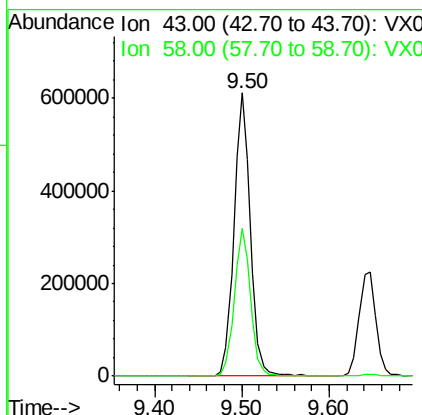
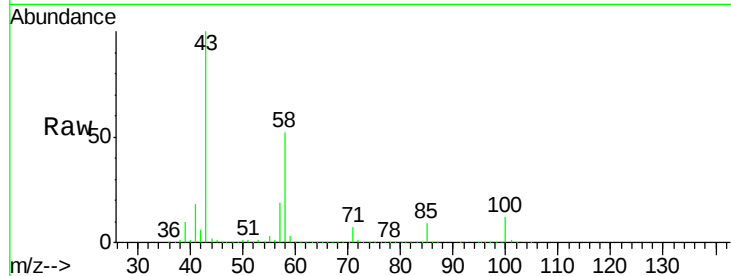
#59
2-Hexanone
Concen: 253.019 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	24.6	73.6

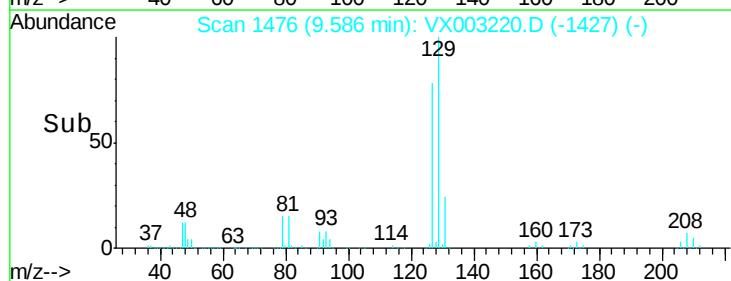
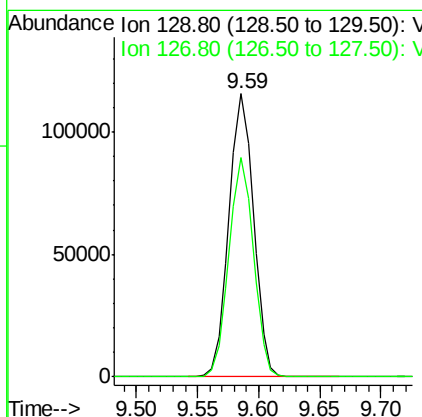
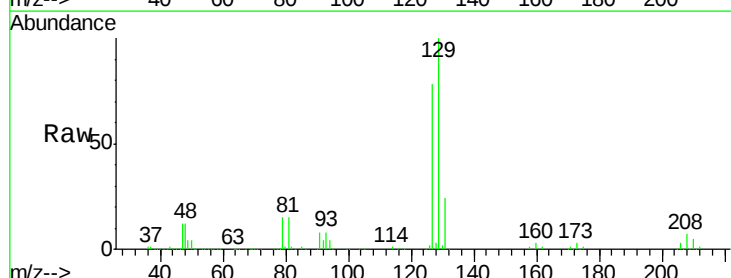
Manual Integrations
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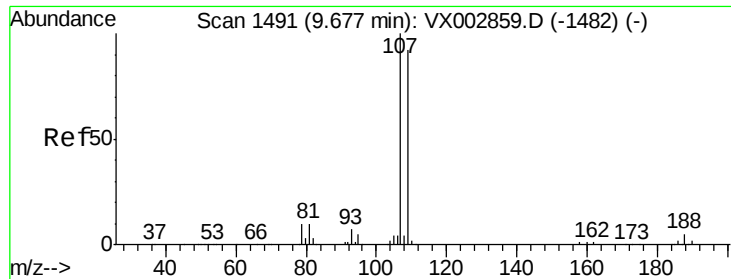
MMDadoda
7/9/2018 12:56:53 PM



#60
Dibromochloromethane
Concen: 54.413 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.3





#61

1,2-Dibromoethane

Concen: 53.072 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 157340

Ion Ratio Lower Upper

107 100

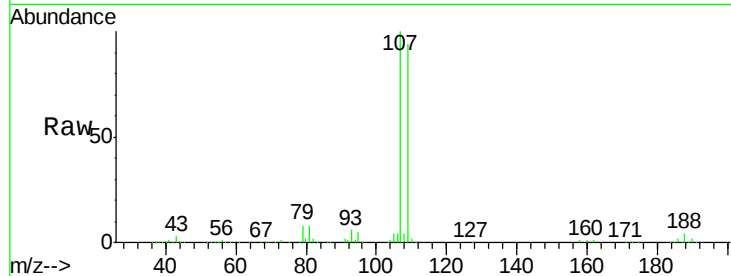
109 93.6 75.3 112.9

Manual Integrations

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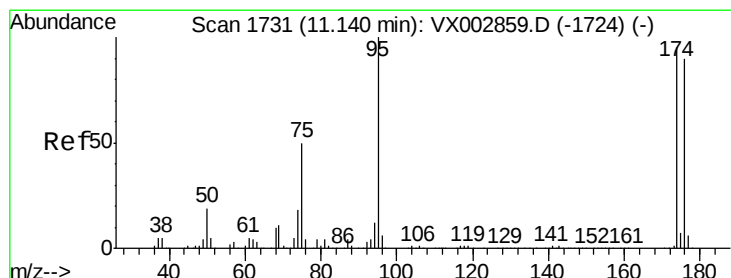
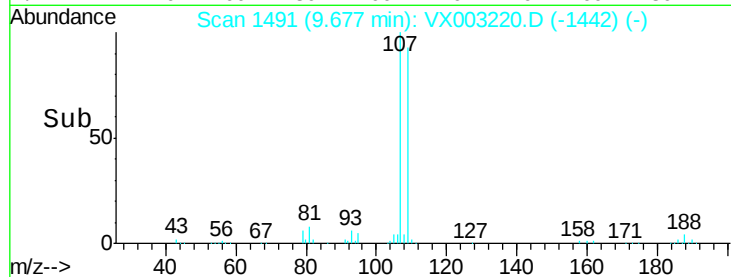
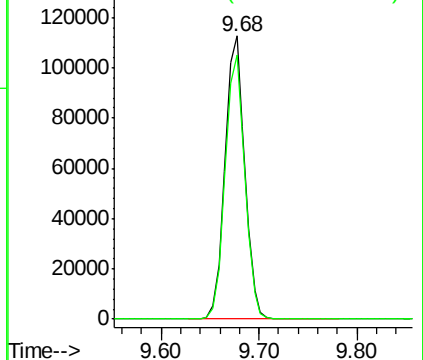
MMDadoda

7/9/2018 12:56:53 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.277 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

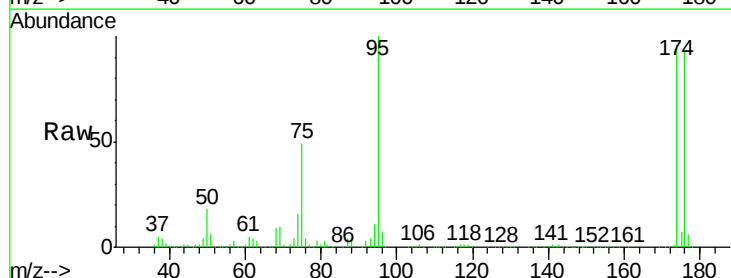
Tgt Ion: 95 Resp: 177670

Ion Ratio Lower Upper

95 100

174 98.0 0.0 187.4

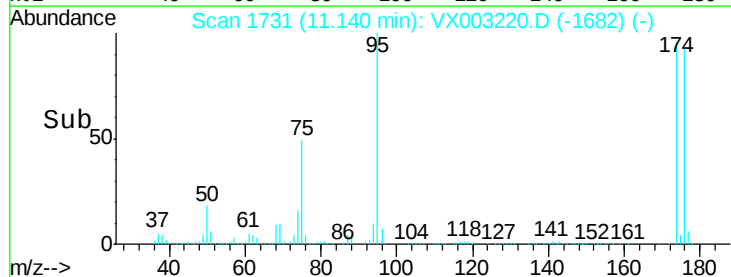
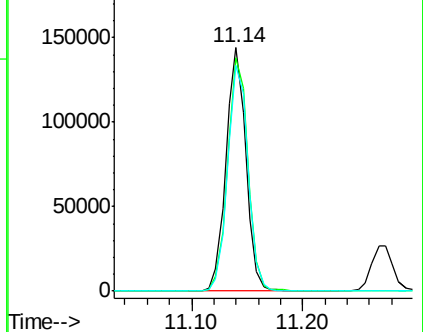
176 95.3 0.0 181.0

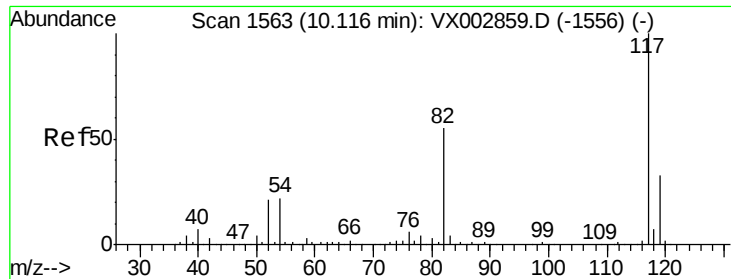


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





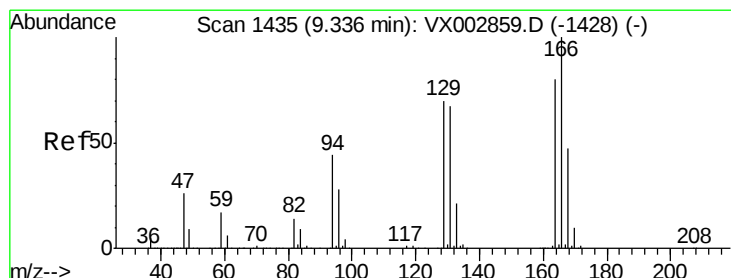
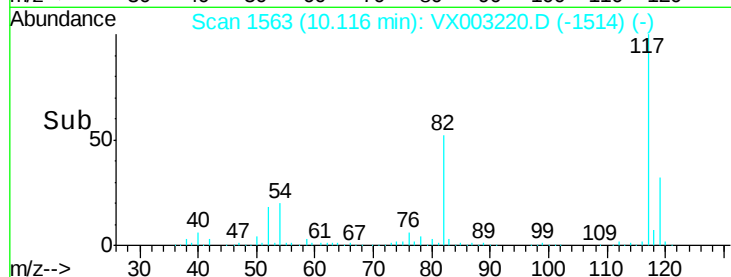
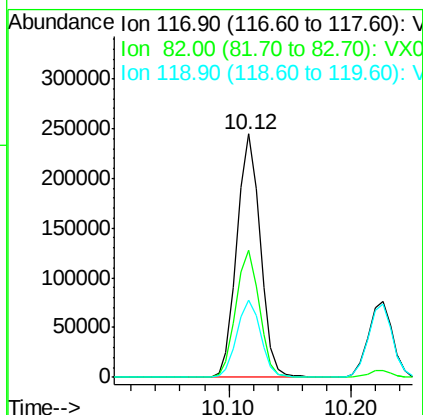
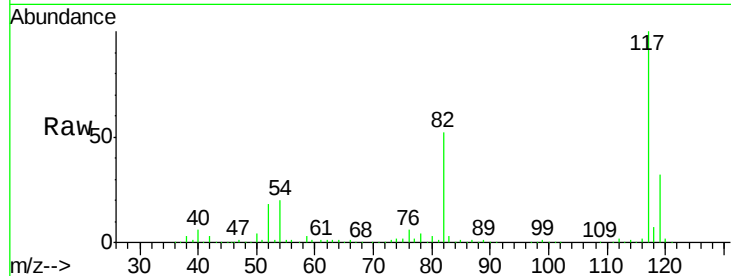
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	45.0	67.4
119	31.9	25.8	38.6

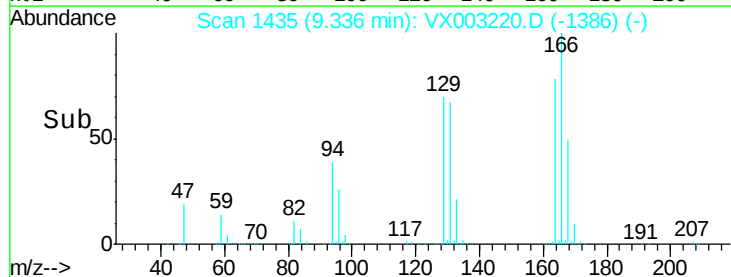
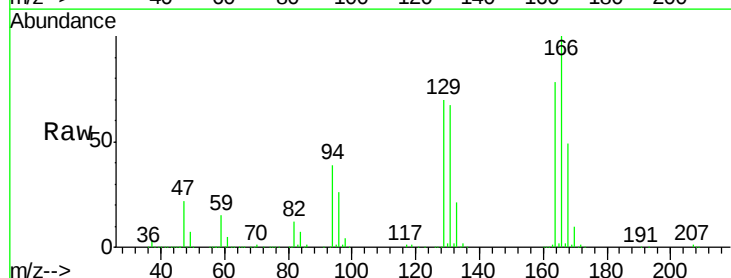
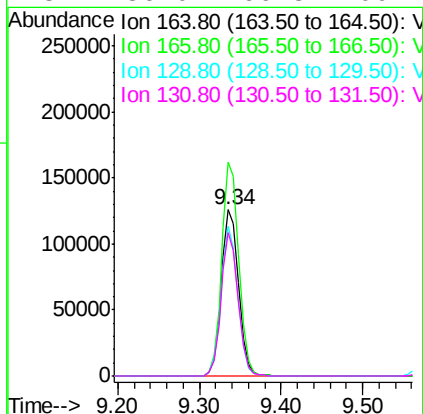
Manual Integrations
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#64
Tetrachloroethene
Concen: 51.343 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.9	154.3
129	90.1	68.6	102.8
131	86.0	66.8	100.2





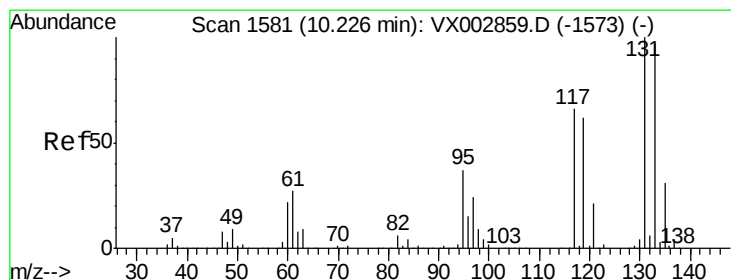
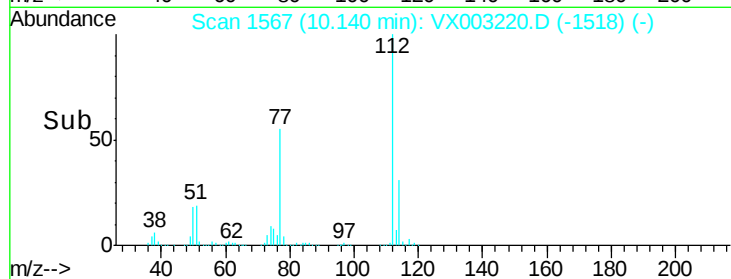
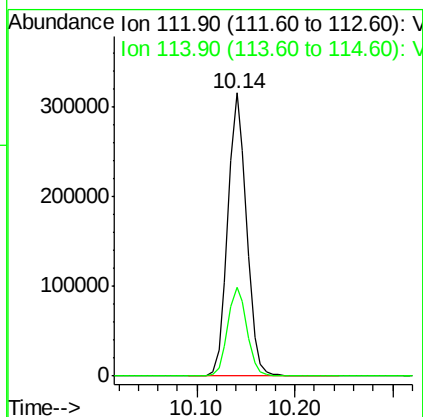
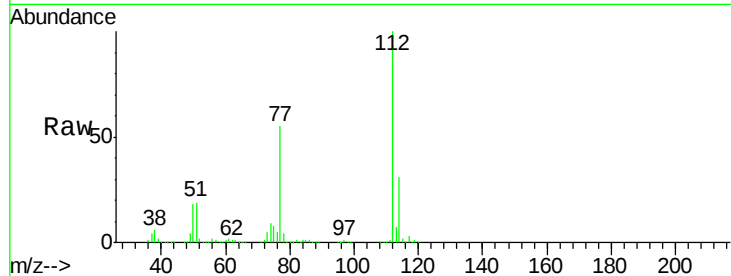
#65
Chlorobenzene
Concen: 51.266 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.3	37.9

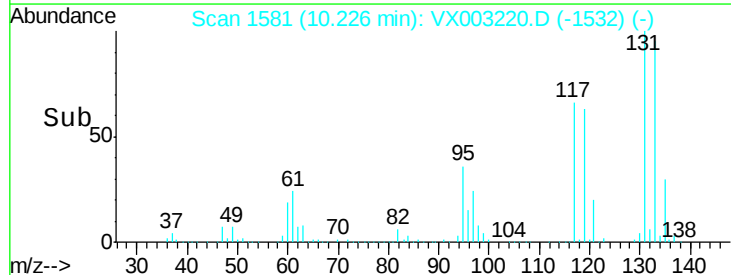
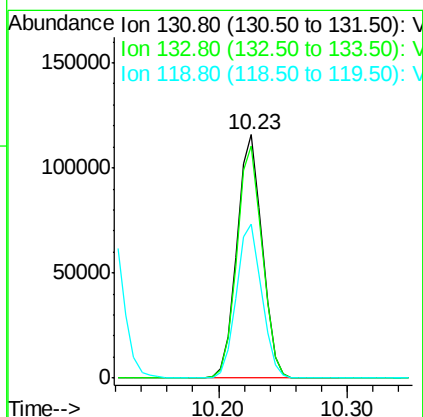
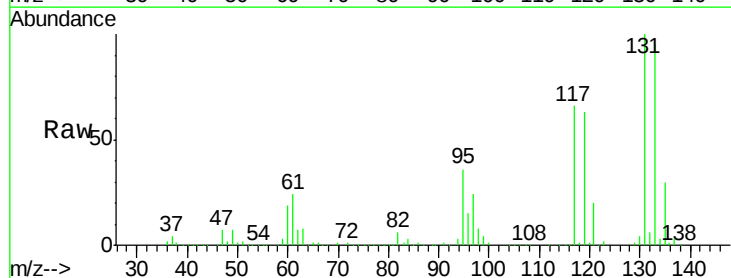
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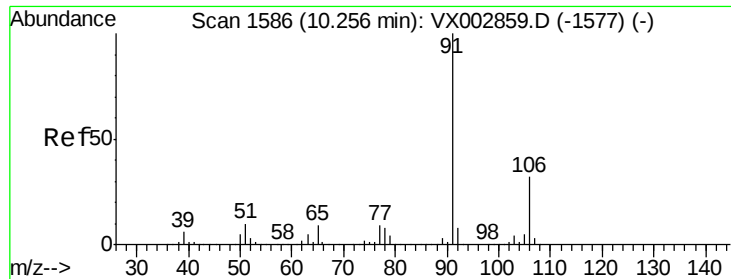
MMDadoda
7/9/2018 12:56:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.797 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.9	143.6
119	63.6	31.8	95.3





#67

Ethyl Benzene

Concen: 52.111 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 707338

Ion Ratio Lower Upper

91 100

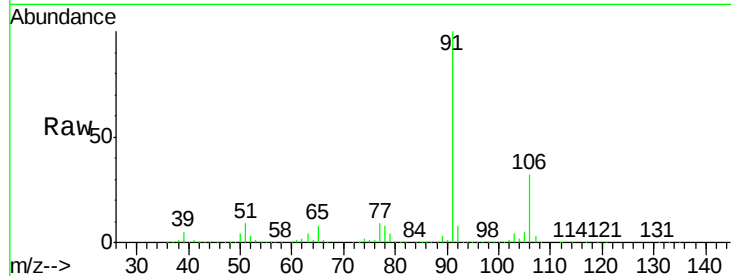
106 32.3 25.5 38.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX003220.D (-1537) (-)

Ion 106.00 (105.70 to 106.70): VX003220.D (-1537) (-)

800000

600000

400000

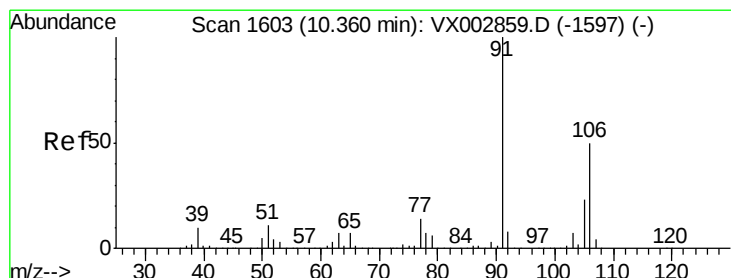
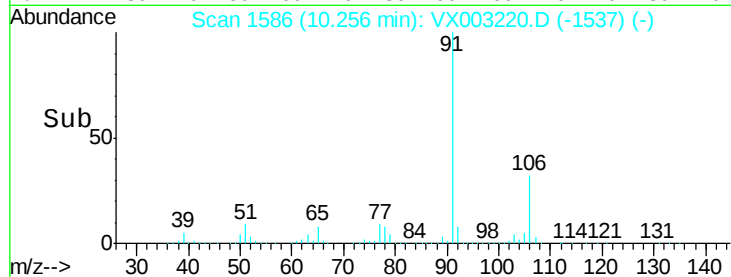
200000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 106.408 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003220.D

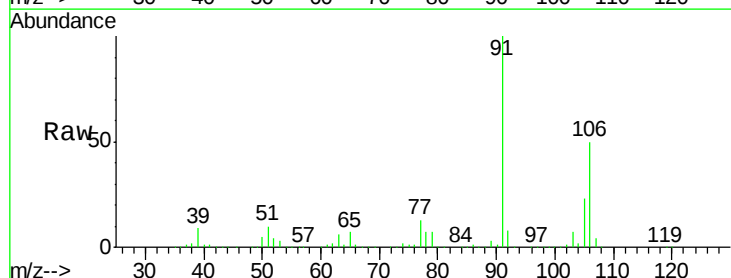
Acq: 06 Jul 2018 18:08

Tgt Ion: 106 Resp: 556655

Ion Ratio Lower Upper

106 100

91 200.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX003220.D (-1554) (-)

Ion 91.00 (90.70 to 91.70): VX003220.D (-1554) (-)

800000

600000

400000

200000

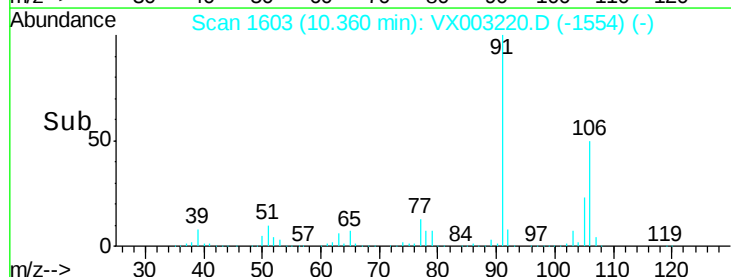
0

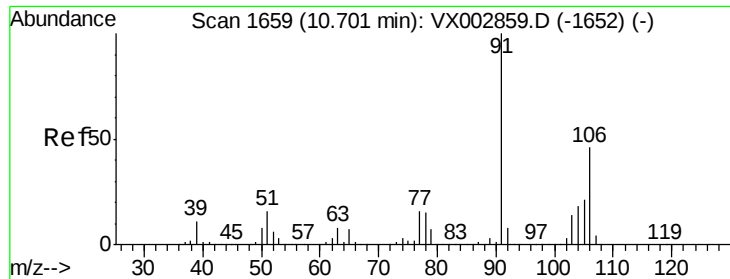
10.30

10.40

10.50

Time-->





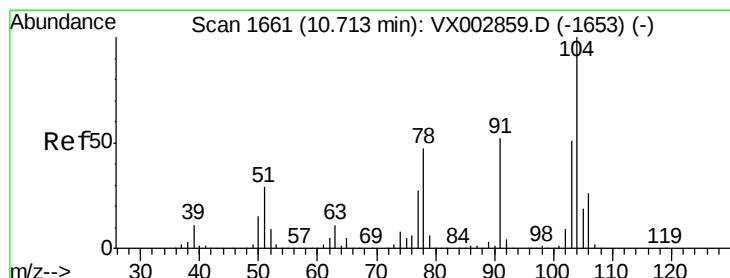
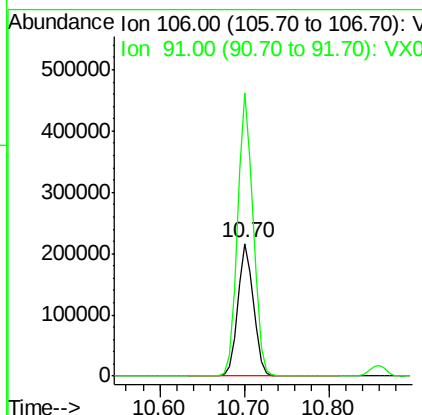
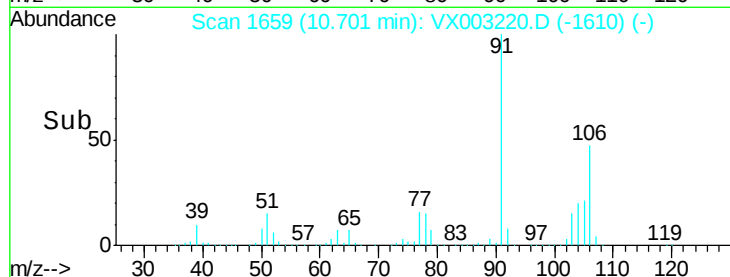
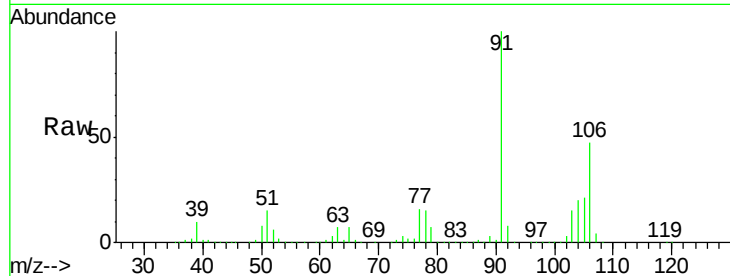
#69
o-Xylene
Concen: 52.665 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		268261		
91	212.7	108.2	324.6		

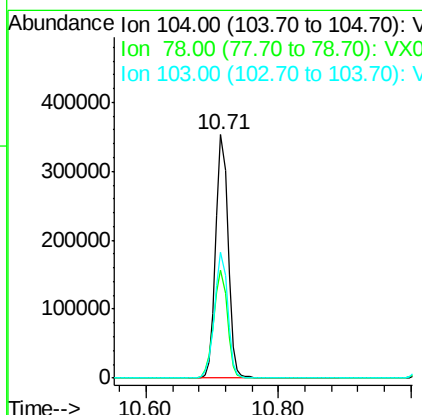
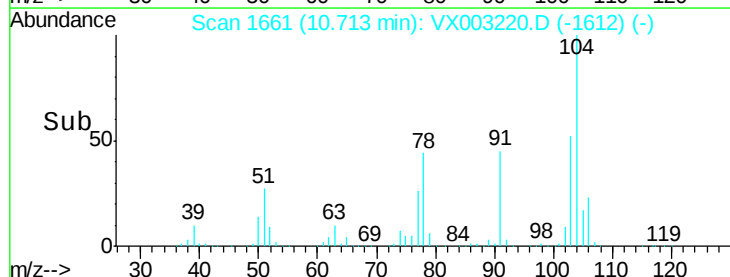
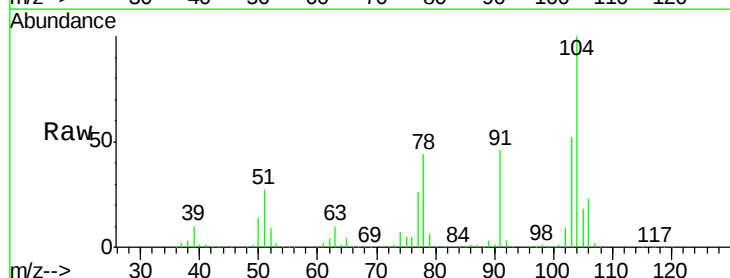
Manual Integrations
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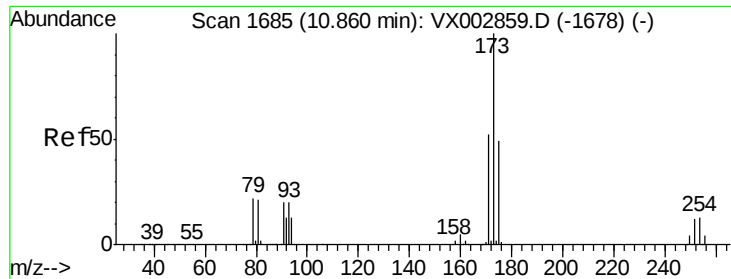
MMDadoda
7/9/2018 12:56:53 PM



#70
Styrene
Concen: 54.628 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		452148		
78	49.2	41.0	61.6		
103	55.6	44.2	66.4		





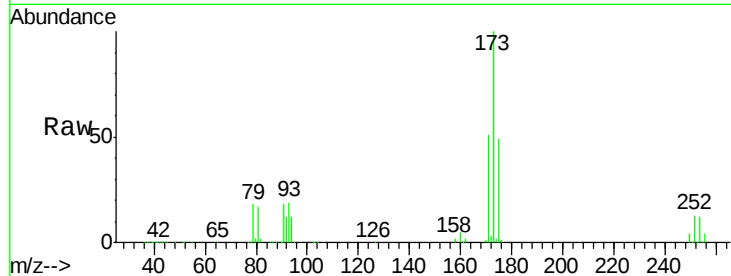
#71
Bromoform
Concen: 48.074 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

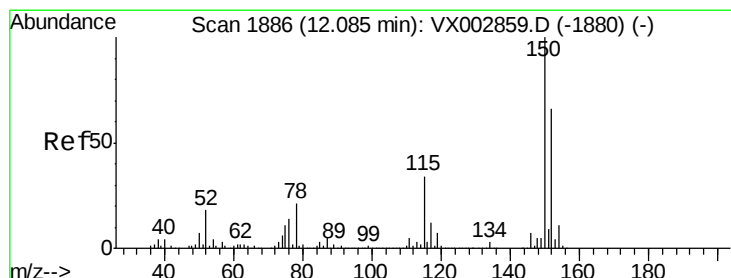
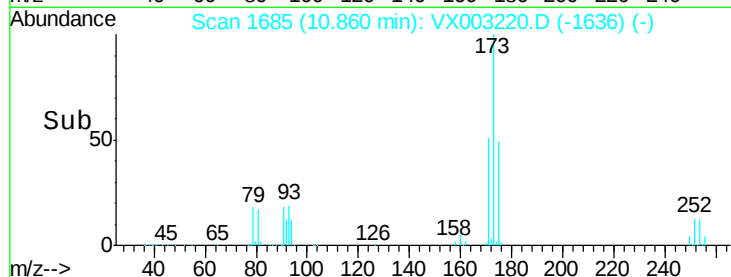
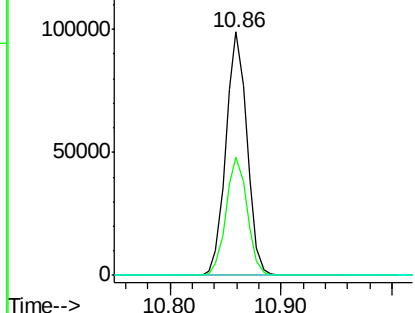
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.2	0.2	0.2

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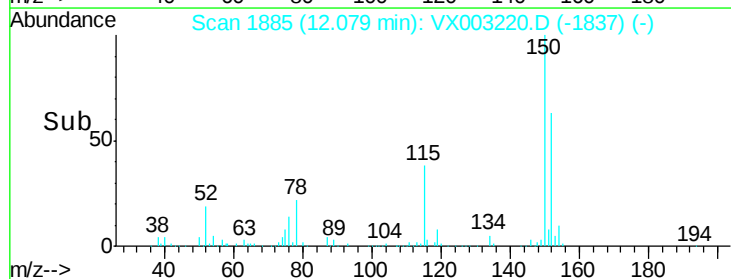
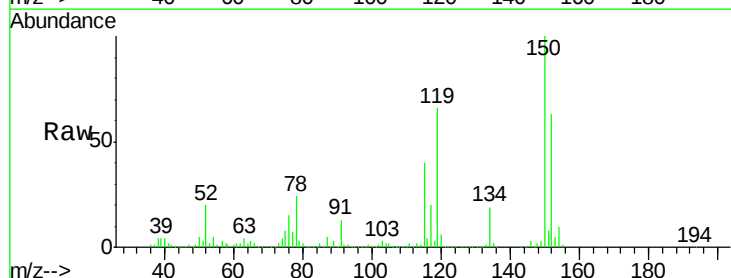
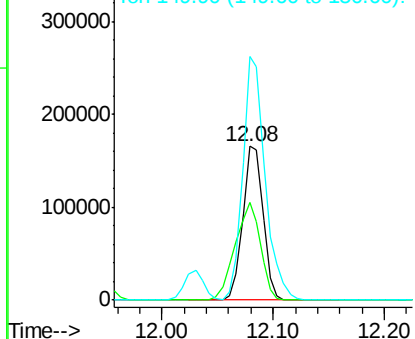
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

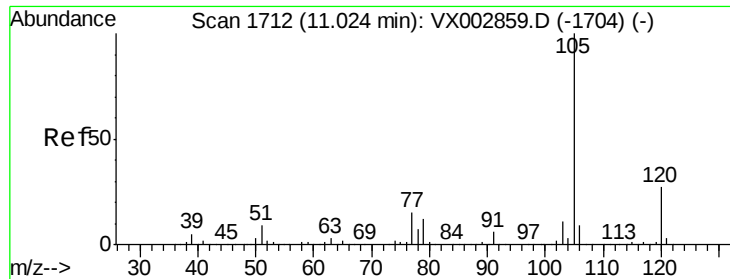


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.8	40.1	120.2
150	174.5	0.0	347.2

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: 52.773 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 740984

Ion Ratio Lower Upper

105 100

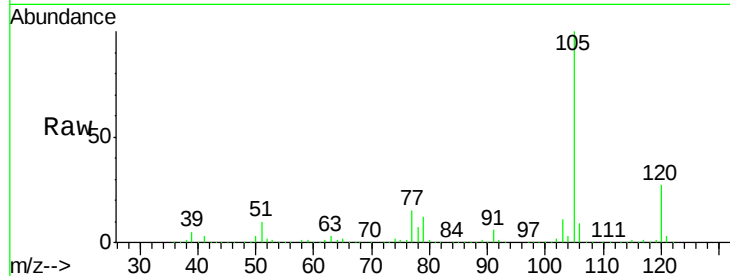
120 27.1 13.5 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

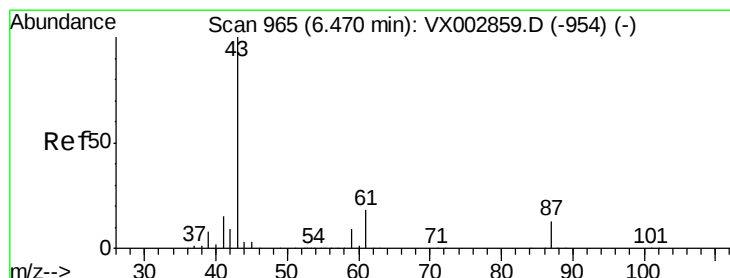
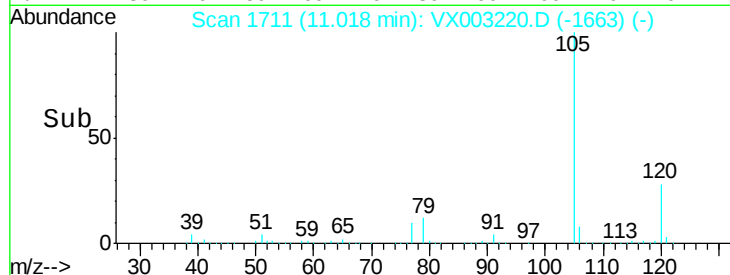
400000

200000

0

11.02

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 47.879 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion: 43 Resp: 328935

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.1 14.4 21.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

200000

150000

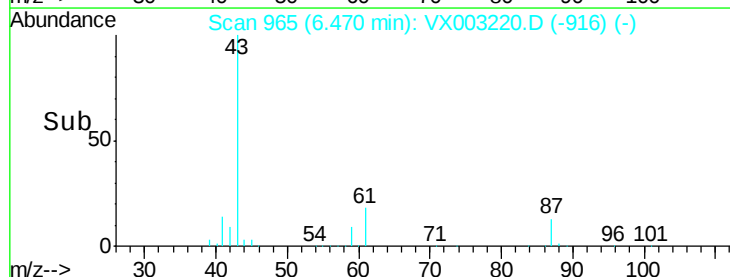
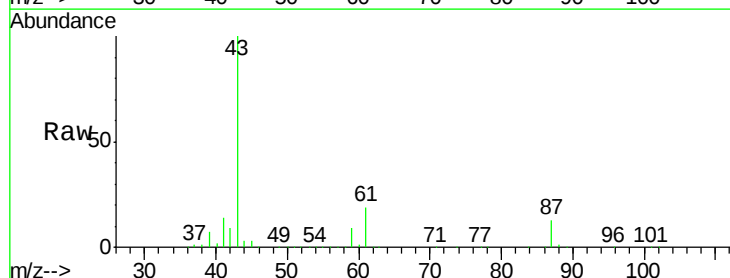
100000

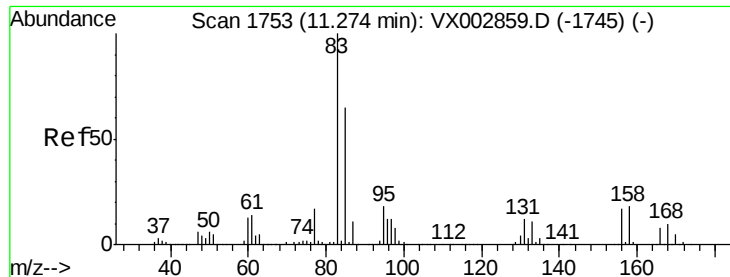
50000

0

6.47

Time--> 6.30 6.40 6.50 6.60





#75

1,1,2,2-Tetrachloroethane

Concen: 50.760 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 219547
Ion Ratio Lower Upper

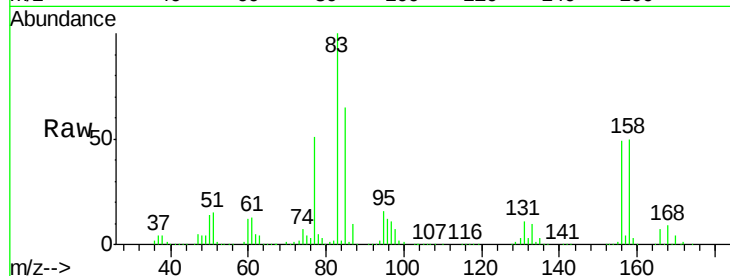
83 100

131 11.3 5.6 16.8

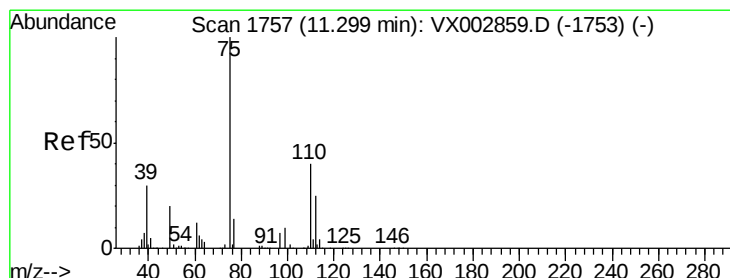
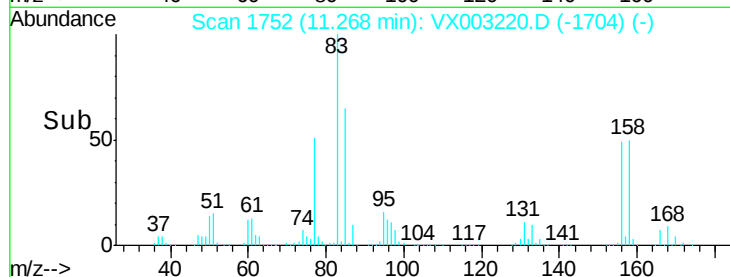
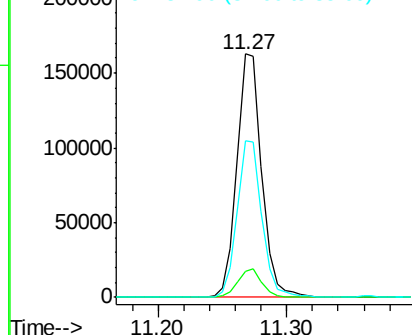
85 64.3 32.4 97.2

Manual Integrations
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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: 58.261 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

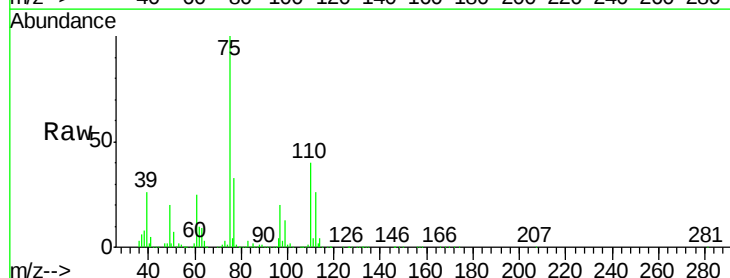
Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

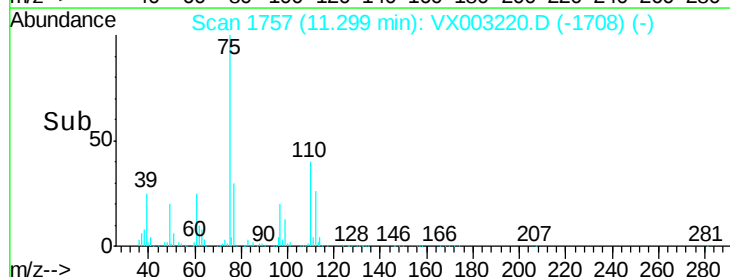
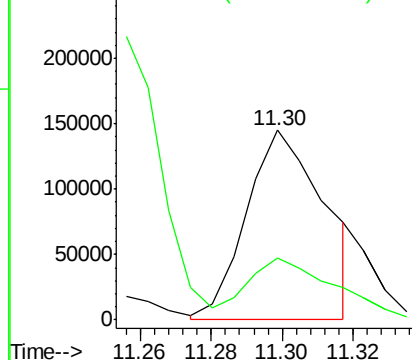
Tgt Ion: 75 Resp: 220264
Ion Ratio Lower Upper

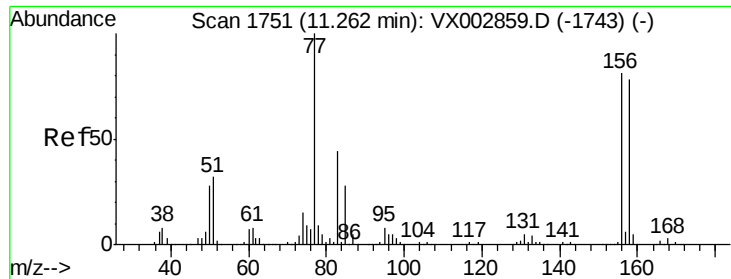
75 100

77 36.9 22.8 68.3



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





#77

Bromobenzene

Concen: 51.308 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

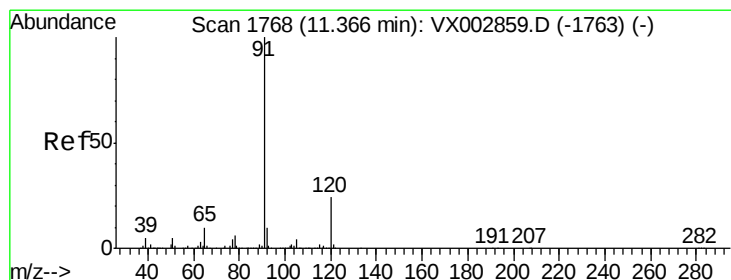
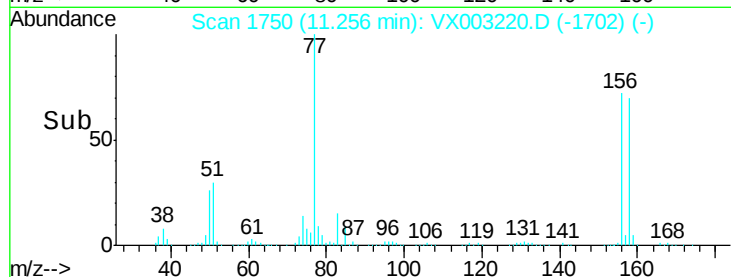
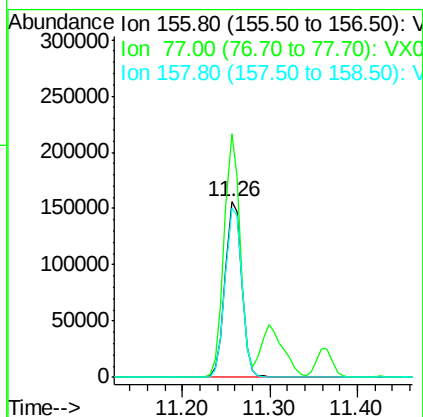
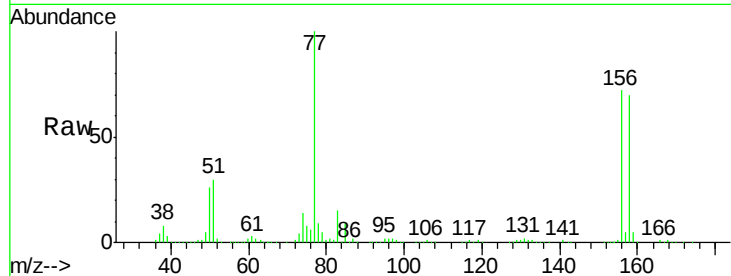
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	205157
Ion Ratio	Lower	Upper	
156	100		
77	133.2	71.4	214.2
158	97.7	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 52.408 ug/l

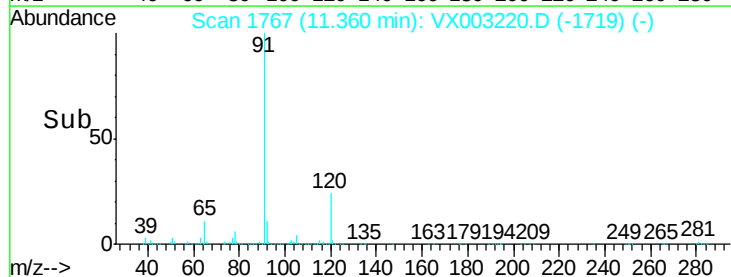
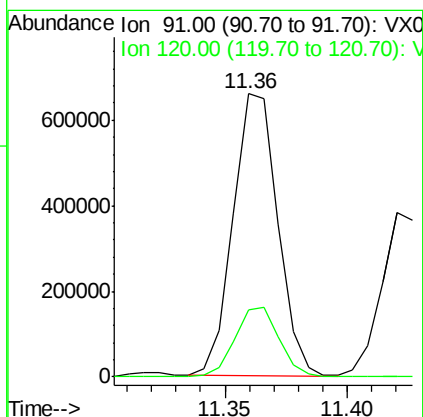
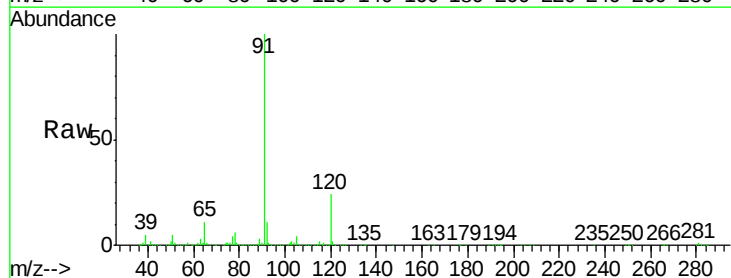
RT: 11.36 min Scan# 1767

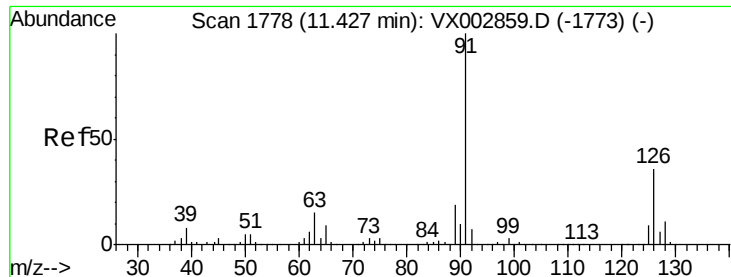
Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion:	91	Resp:	837616
Ion Ratio	Lower	Upper	
91	100		
120	24.4	11.8	35.4





#79

2-Chlorotoluene

Concen: 50.634 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 489941

Ion Ratio Lower Upper

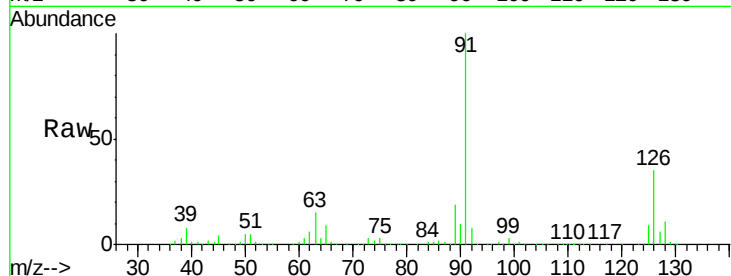
91 100

126 36.5 17.7 53.1

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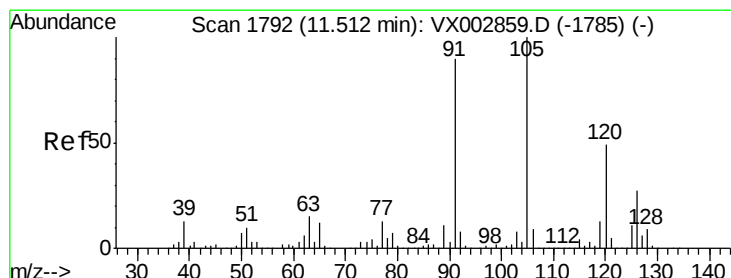
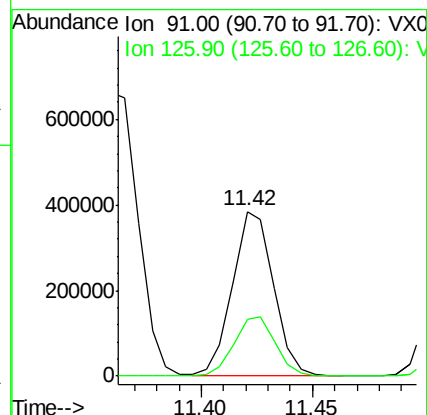
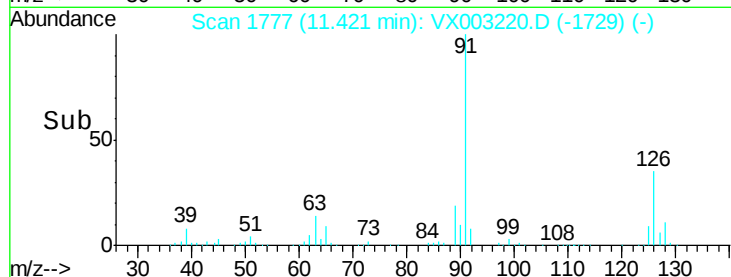
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.156 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003220.D

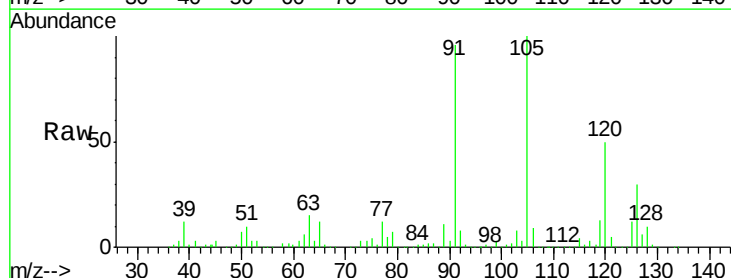
Acq: 06 Jul 2018 18:08

Tgt Ion: 105 Resp: 616801

Ion Ratio Lower Upper

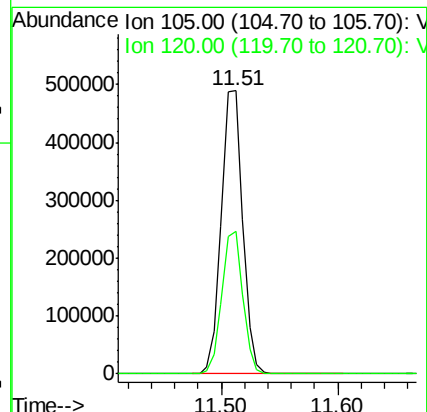
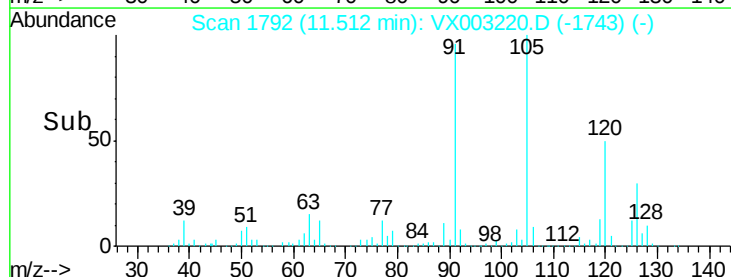
105 100

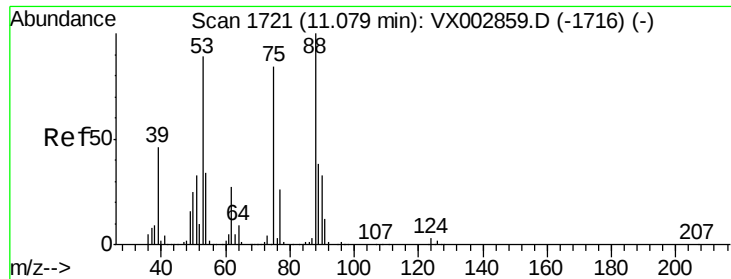
120 49.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





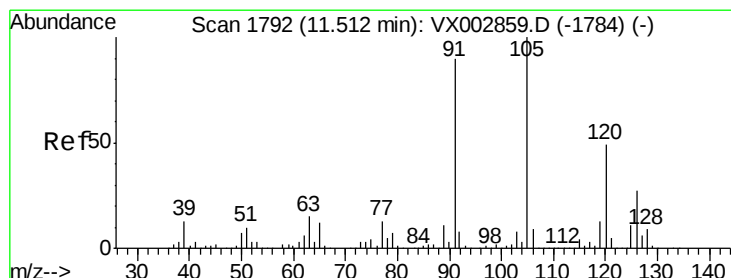
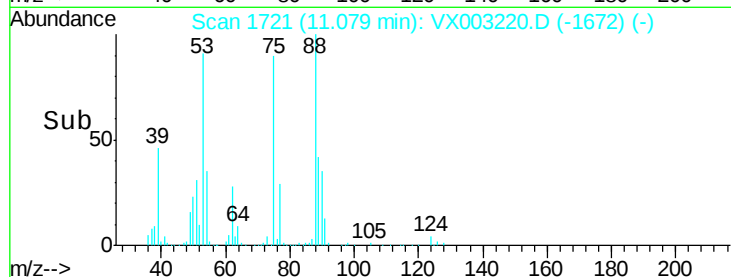
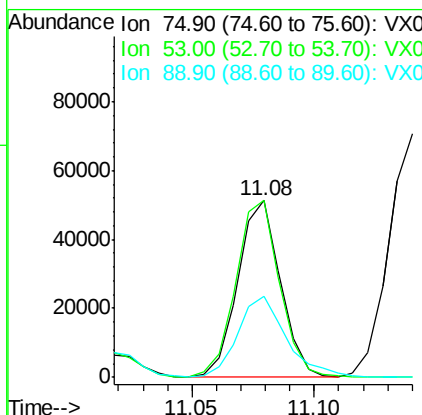
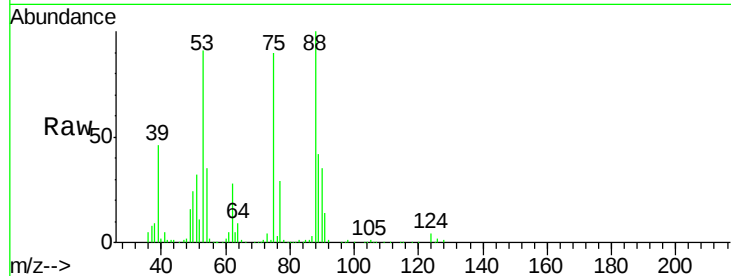
#81
trans-1,4-Dichloro-2-butene
Concen: 47.328 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.3	86.8	130.2
89	52.8	38.2	57.2

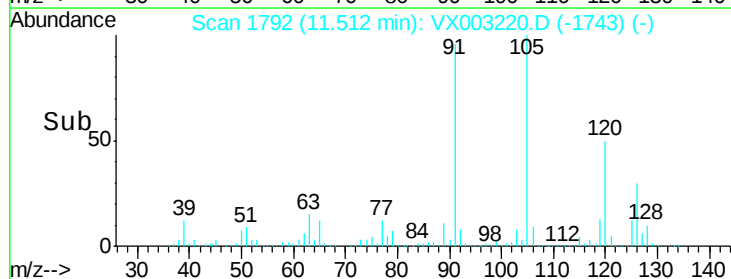
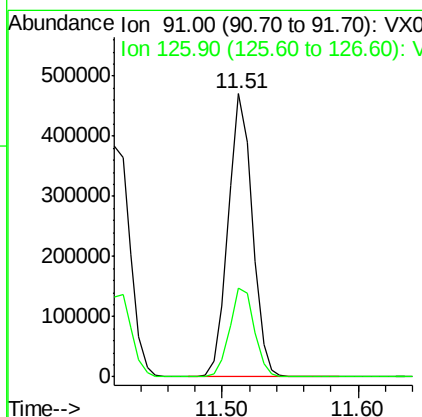
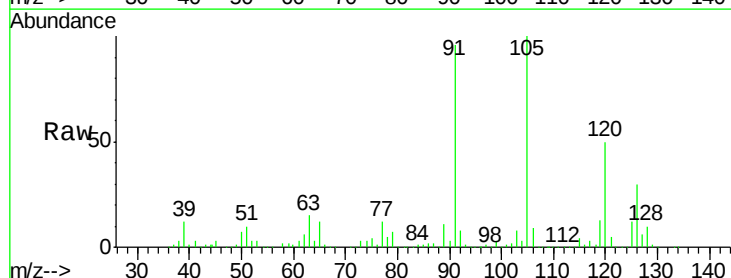
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#82
4-Chlorotoluene
Concen: 50.883 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.4	46.4





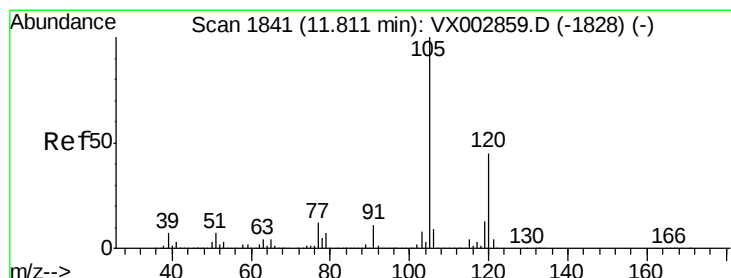
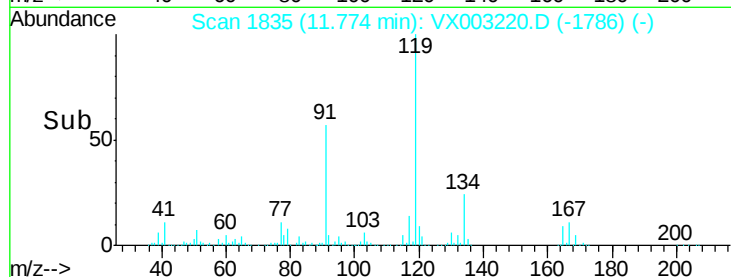
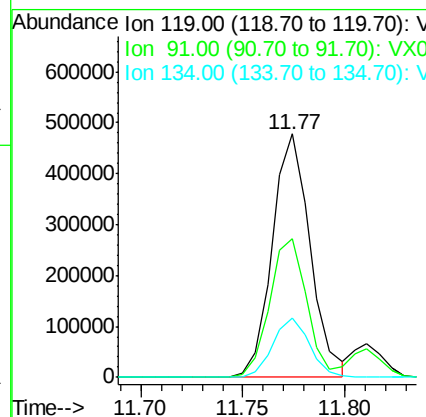
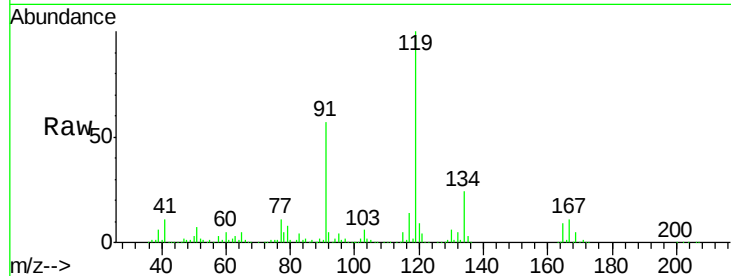
#83
tert-Butylbenzene
Concen: 53.053 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	30.3	90.9
134	23.7	11.7	35.1

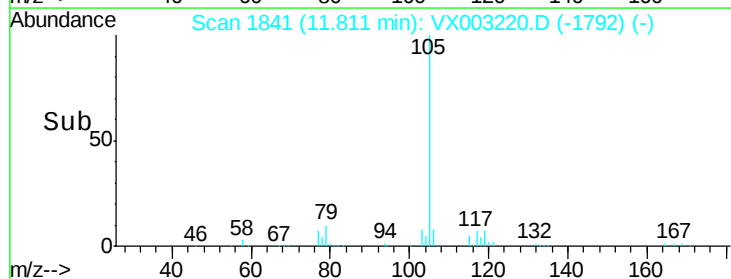
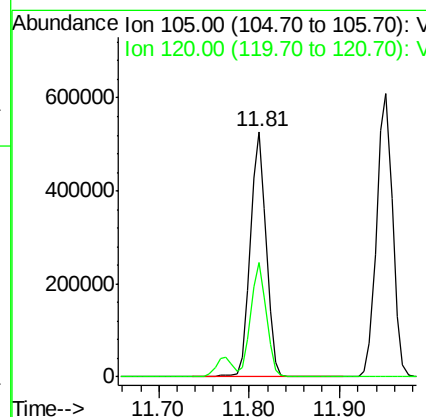
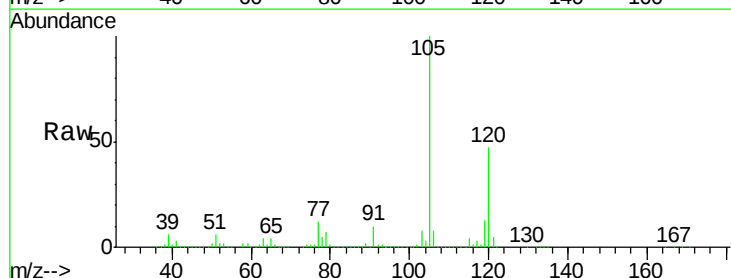
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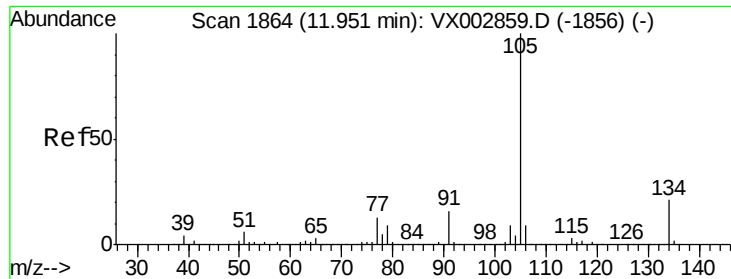
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#84
1,2,4-Trimethylbenzene
Concen: 52.117 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 52.593 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 743618

Ion Ratio Lower Upper

105 100

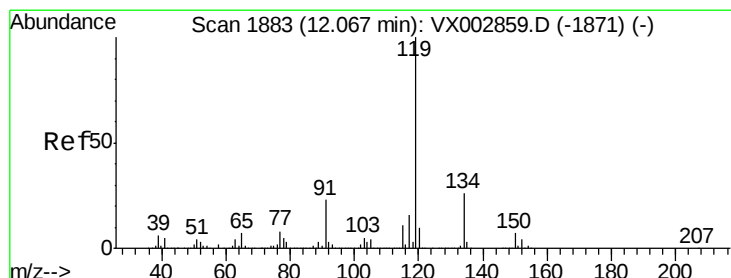
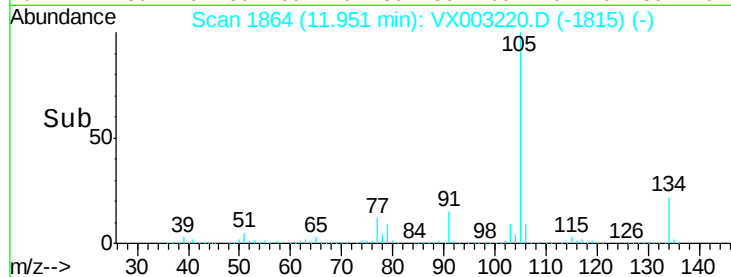
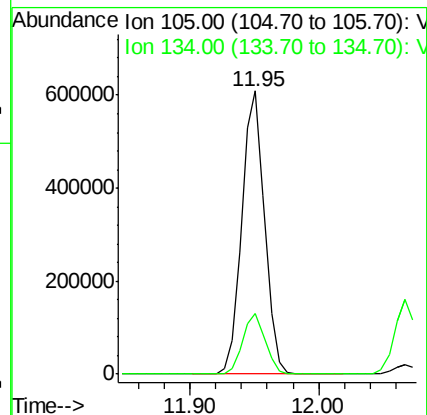
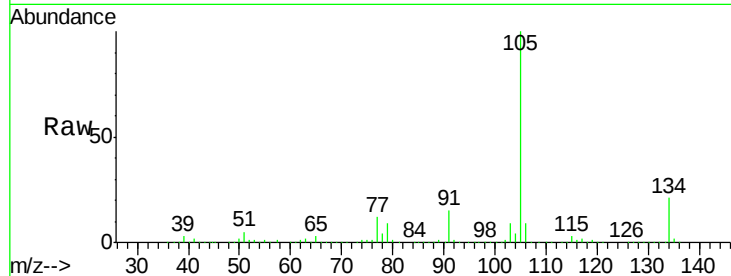
134 21.2 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.750 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

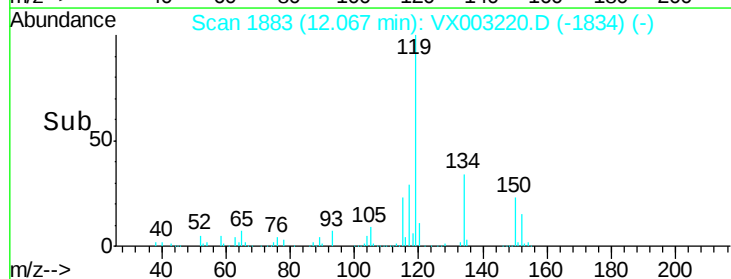
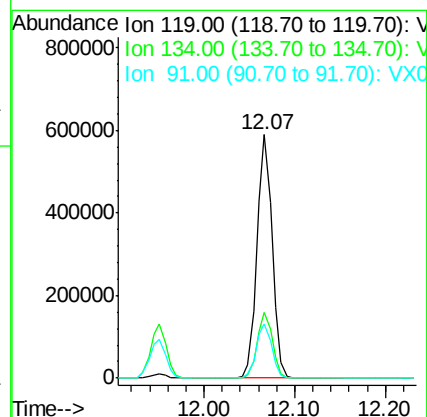
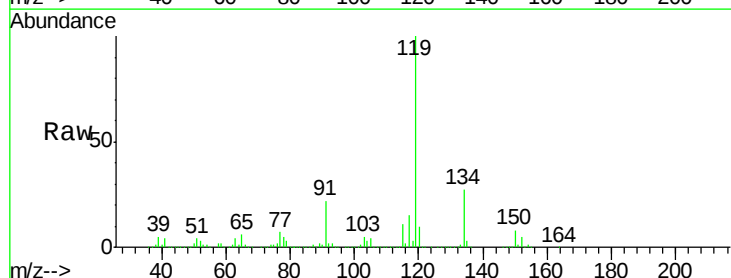
Tgt Ion:119 Resp: 683251

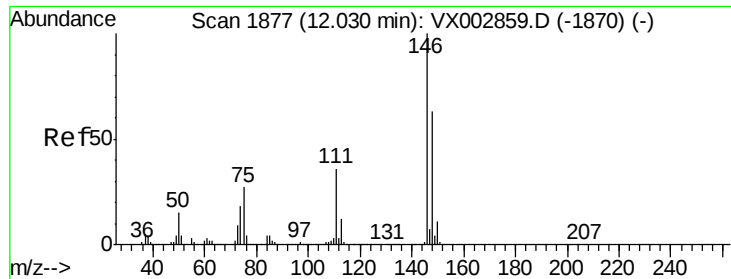
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.9 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 51.737 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

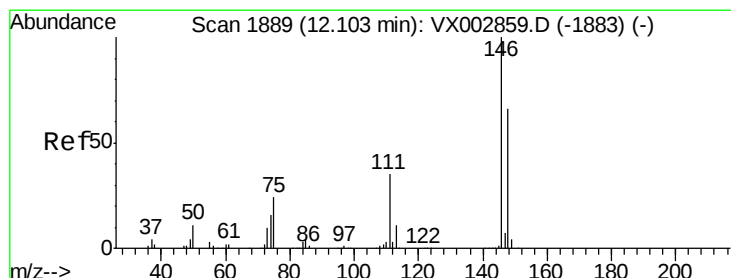
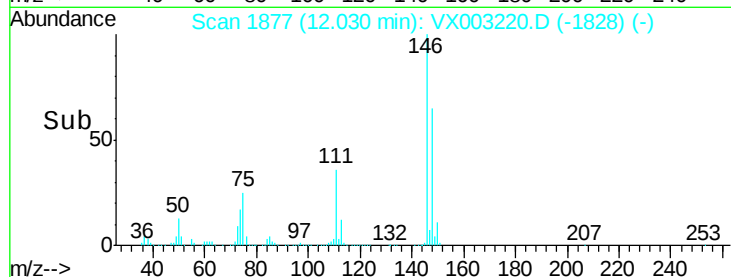
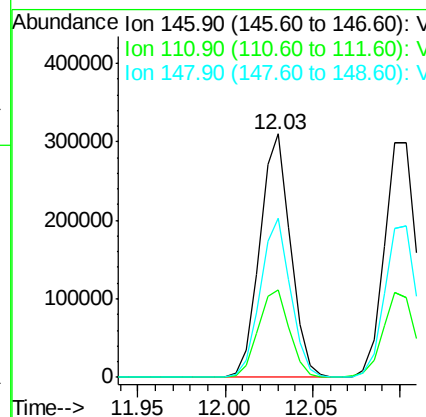
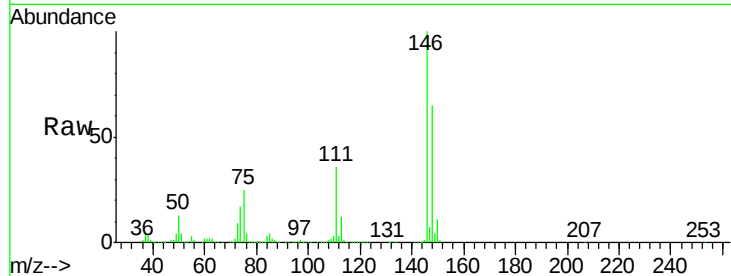
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	377832
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.9	56.7
148	64.5	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 50.569 ug/l

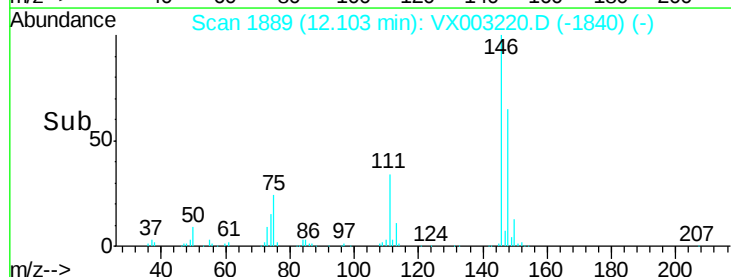
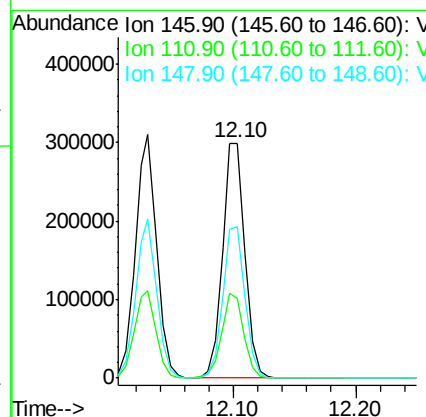
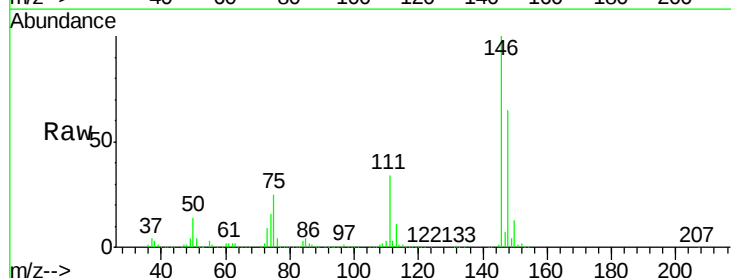
RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion:	146	Resp:	380044
Ion Ratio	Lower	Upper	
146	100		
111	35.8	18.7	56.1
148	64.6	32.4	97.0





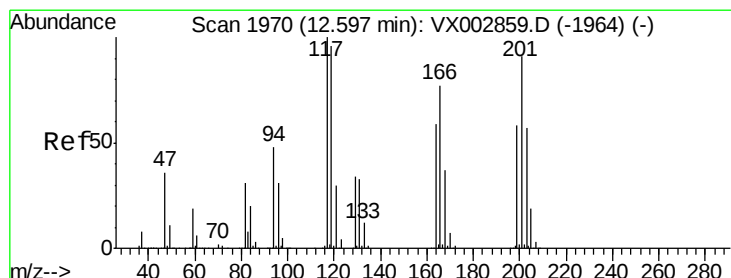
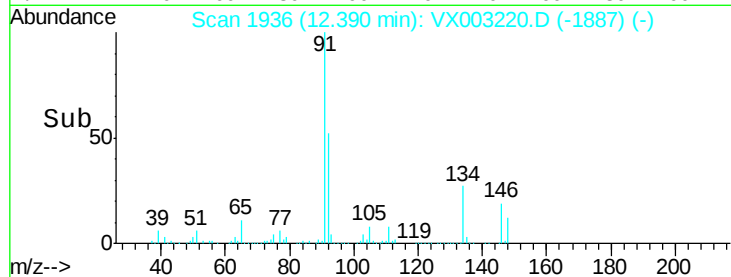
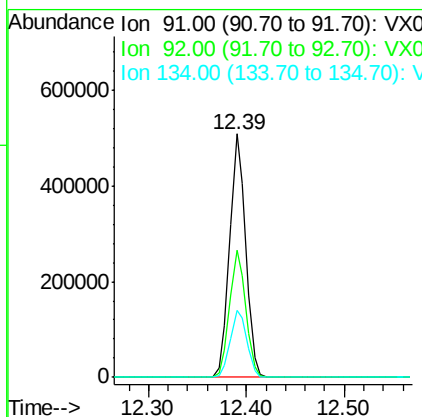
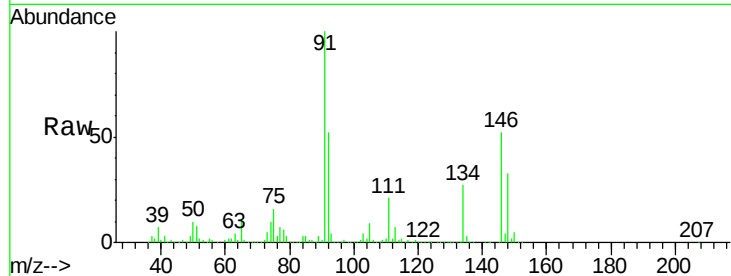
#89
n-Butylbenzene
Concen: 52.481 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.0	78.0
134	28.3	13.5	40.5

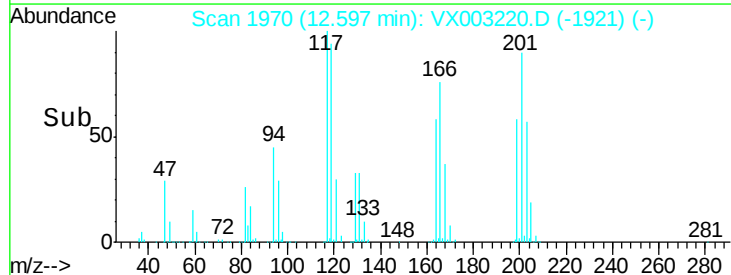
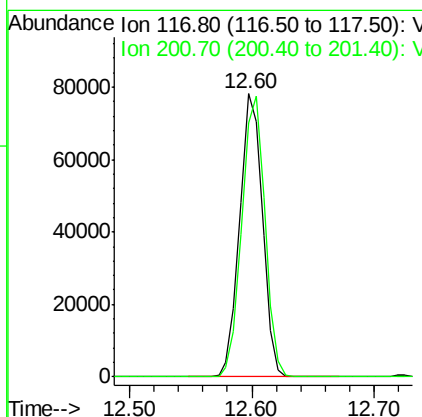
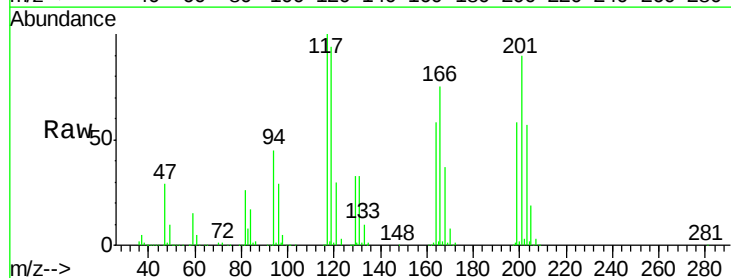
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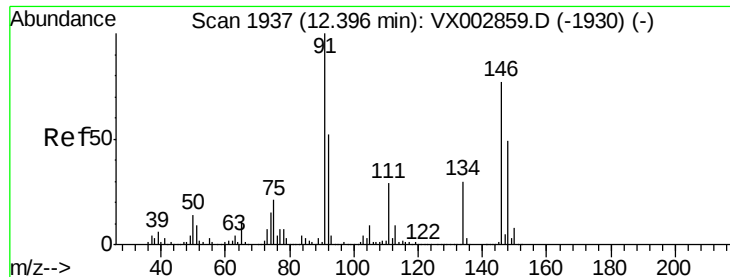
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#90
Hexachloroethane
Concen: 53.123 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003220.D
Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.8	49.0	147.0





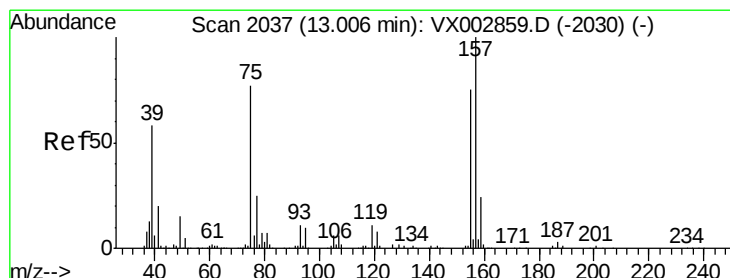
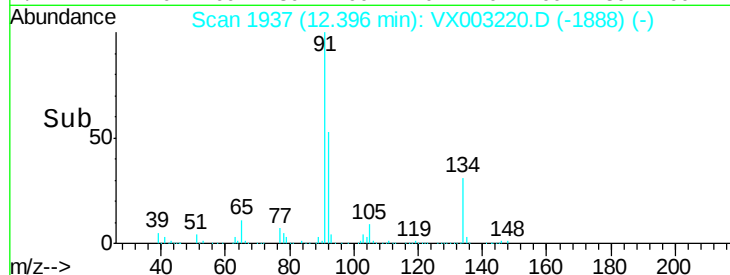
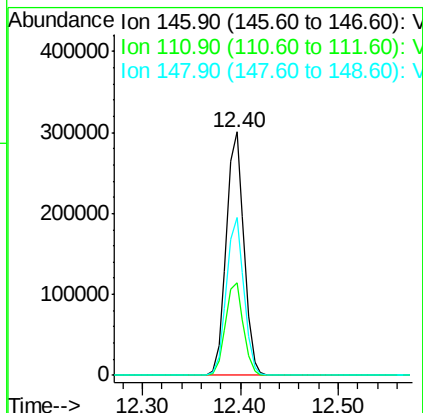
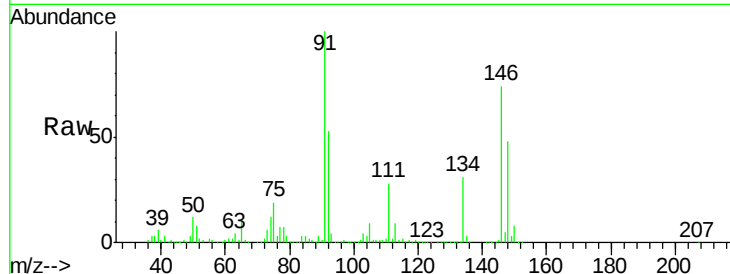
#91
 1,2-Dichlorobenzene
 Concen: 51.003 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	64.5	31.7	95.1

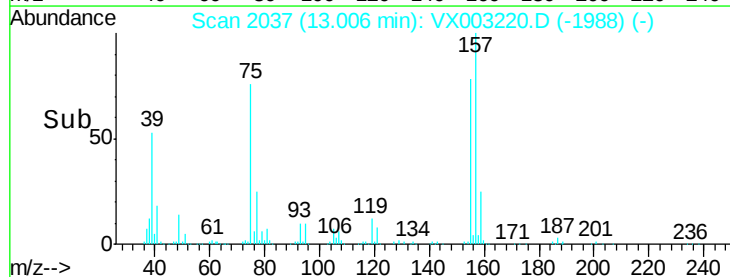
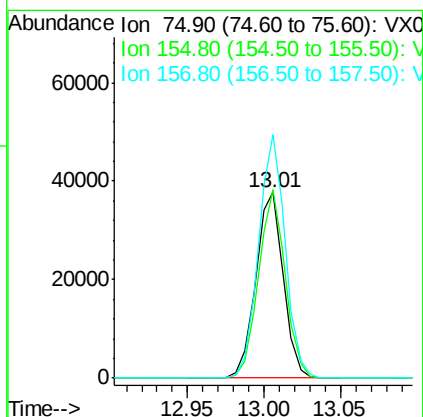
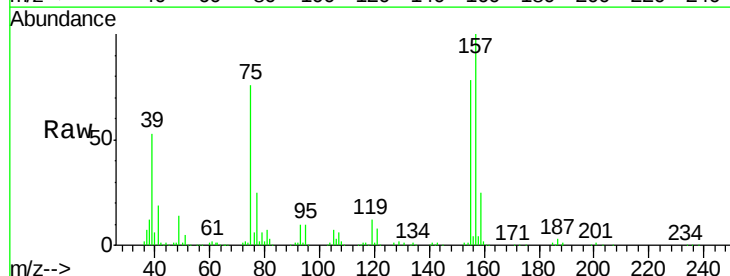
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.608 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	45.8	137.4
157	126.9	60.1	180.3





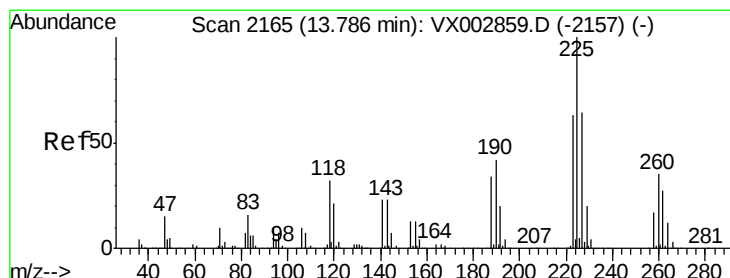
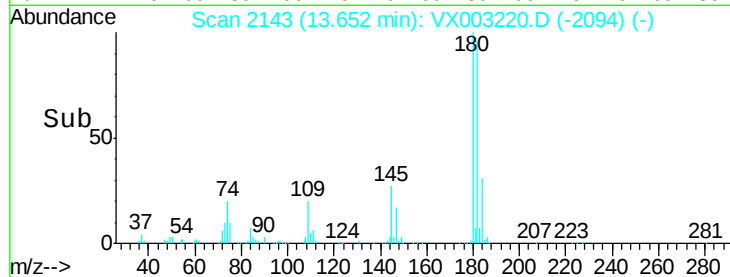
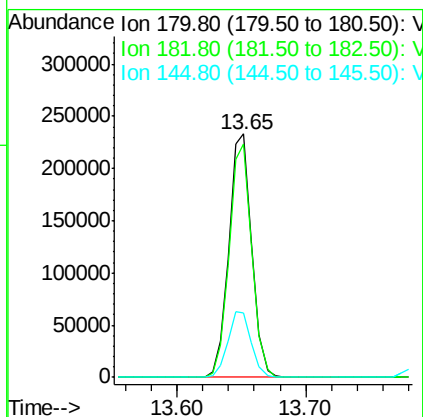
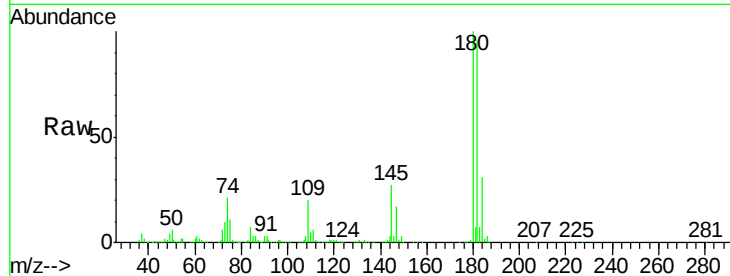
#93
 1,2,4-Trichlorobenzene
 Concen: 54.004 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	289701		
182	95.1	47.7	143.1	
145	27.6	14.1	42.4	

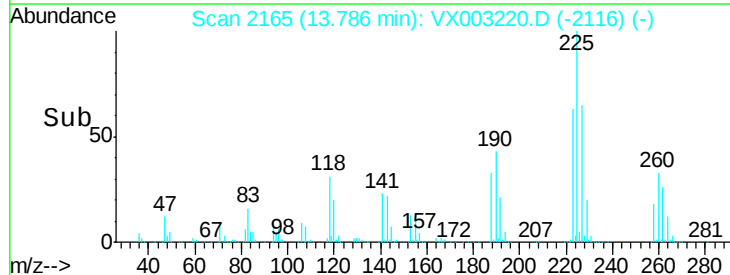
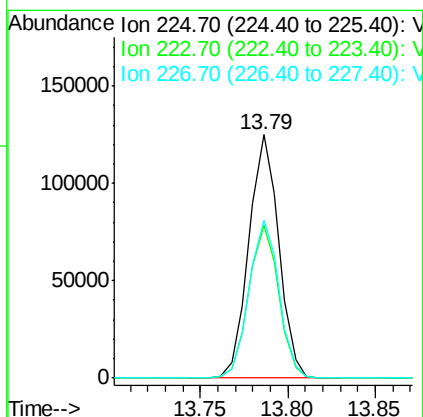
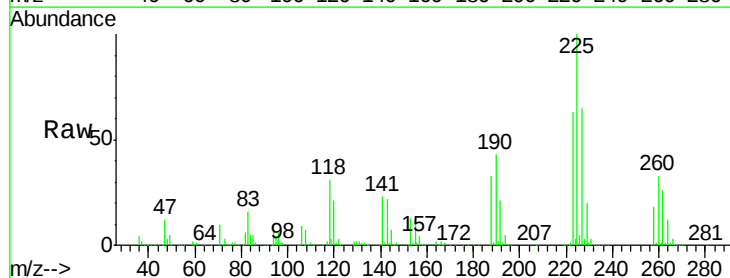
Manual Integrations
 APPROVED

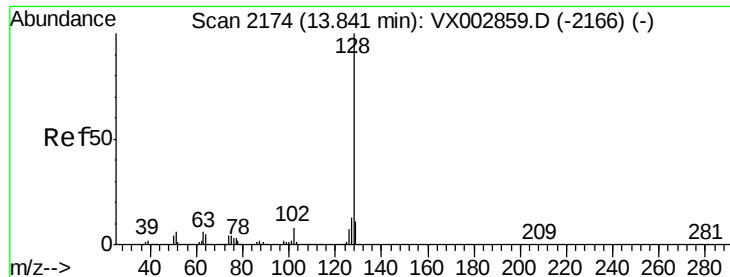
MMDadoda
 7/9/2018 12:56:53 PM



#94
 Hexachlorobutadiene
 Concen: 55.505 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003220.D
 Acq: 06 Jul 2018 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	148505		
223	62.9	31.6	95.0	
227	65.1	32.4	97.2	





#95

Naphthalene

Concen: 54.309 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Instrument :

MSVOA_X

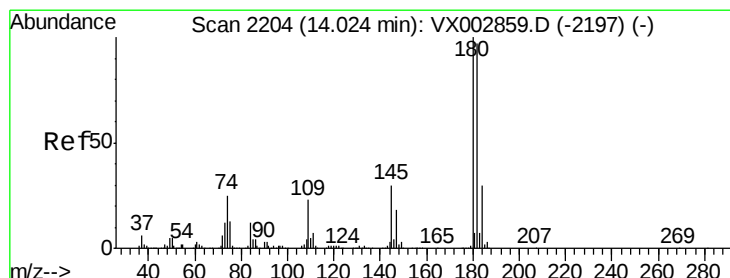
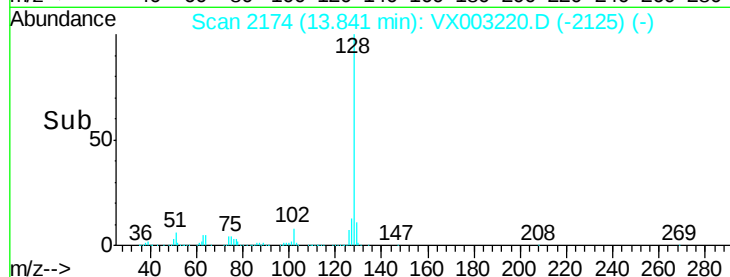
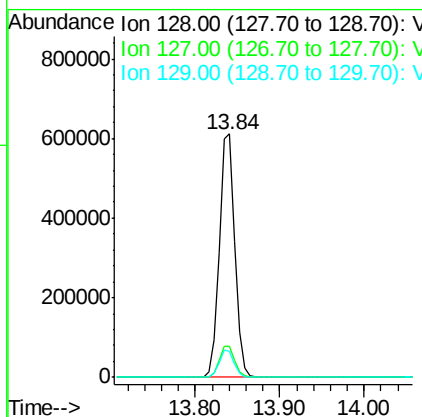
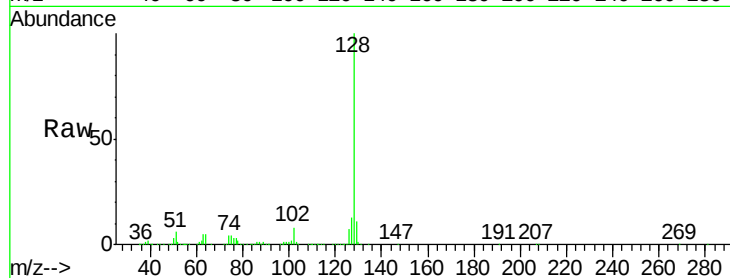
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	775949
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/9/2018 12:56:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 56.756 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003220.D

Acq: 06 Jul 2018 18:08

Tgt Ion:	180	Resp:	304103
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.0	144.0
145	29.3	14.8	44.3

