

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071818\
 Data File : VX003459.D
 Acq On : 18 Jul 2018 20:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 1:04:16 PM

Quant Time: Jul 19 03:34:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	82989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	118566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	115835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	77636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	200892	184.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	369.70%	
35) Dibromofluoromethane	5.51	113	174734	182.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	364.28%	
50) Toluene-d8	8.72	98	670919	189.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	379.02%	
62) 4-Bromofluorobenzene	11.14	95	243682	192.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	385.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	156048	166.59	ug/l	98
3) Chloromethane	1.32	50	162149	159.95	ug/l	99
4) Vinyl Chloride	1.40	62	177803	160.94	ug/l	100
5) Bromomethane	1.64	94	74031	212.57	ug/l	99
6) Chloroethane	1.72	64	108108	183.00	ug/l	100
7) Trichlorofluoromethane	1.93	101	245807	167.73	ug/l	99
8) Diethyl Ether	2.19	74	101950	162.59	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	151336	163.49	ug/l	98
10) Methyl Iodide	2.51	142	179151	180.91	ug/l	93
11) Tert butyl alcohol	3.08	59	182926	748.43	ug/l	100
12) 1,1-Dichloroethene	2.37	96	140944	161.12	ug/l	90
13) Acrolein	2.29	56	106632	909.49	ug/l	100
14) Allyl chloride	2.73	41	258749	163.06	ug/l	87
15) Acrylonitrile	3.15	53	449919	803.48	ug/l	98
16) Acetone	2.45	43	355594	786.63	ug/l #	88
17) Carbon Disulfide	2.57	76	361350	150.55	ug/l	99
18) Methyl Acetate	2.78	43	280386	190.44	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	492584	169.58	ug/l	100
20) Methylene Chloride	2.86	84	163794	163.48	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	152104	160.98	ug/l	94
22) Diisopropyl ether	3.88	45	487016	158.23	ug/l	95
23) Vinyl Acetate	3.83	43	1955449	770.31	ug/l	96
24) 1,1-Dichloroethane	3.70	63	295541	169.25	ug/l	100
25) 2-Butanone	4.71	43	557939	788.66	ug/l	94
26) 2,2-Dichloropropane	4.59	77	155117	126.56	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	164049	161.38	ug/l	96
28) Bromochloromethane	5.02	49	144555	190.68	ug/l	90
29) Tetrahydrofuran	5.17	42	362117	807.11	ug/l	93
30) Chloroform	5.22	83	272669	169.46	ug/l	99
31) Cyclohexane	5.57	56	223480	165.73	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	232177	169.66	ug/l	98
36) 1,1-Dichloropropene	5.80	75	193924	161.51	ug/l	98
37) Ethyl Acetate	4.87	43	209269	154.67	ug/l	96
38) Carbon Tetrachloride	5.78	117	203867	166.86	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	223930	162.93	ug/l	95
40) Benzene	6.15	78	608589	166.60	ug/l	99
41) Methacrylonitrile	5.07	41	123616	166.15	ug/l	93
42) 1,2-Dichloroethane	6.20	62	208707	166.59	ug/l	97
43) Isopropyl Acetate	6.47	43	336242	164.66	ug/l	94
44) Trichloroethene	7.21	130	173430	163.88	ug/l	98
45) 1,2-Dichloropropane	7.52	63	161100	169.53	ug/l	100
46) Dibromomethane	7.67	93	105368	166.52	ug/l	99
47) Bromodichloromethane	7.90	83	201423	173.83	ug/l	97
48) Methyl methacrylate	7.78	41	180362	173.13	ug/l	87
49) 1,4-Dioxane	7.76	88	70913	2972.95	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1141898	849.50	ug/l	93
52) Toluene	8.79	92	388953	170.05	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	233003	170.31	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	211713	169.56	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	163312	170.90	ug/l	98
56) Ethyl methacrylate	9.18	69	236209	174.58	ug/l #	85
57) 1,3-Dichloropropane	9.38	76	264363	172.17	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	589354	868.64	ug/l	98
59) 2-Hexanone	9.50	43	868399	840.84	ug/l	90
60) Dibromochloromethane	9.59	129	166745	175.61	ug/l	99
61) 1,2-Dibromoethane	9.68	107	169829	172.41	ug/l	100
64) Tetrachloroethene	9.34	164	204925	169.10	ug/l	97
65) Chlorobenzene	10.14	112	444777	162.54	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	163759	168.35	ug/l	99
67) Ethyl Benzene	10.26	91	746419	166.89	ug/l	100
68) m/p-Xylenes	10.36	106	576290	333.11	ug/l	97
69) o-Xylene	10.70	106	281801	169.59	ug/l	96
70) Styrene	10.71	104	466680	170.65	ug/l	98
71) Bromoform	10.86	173	129314	165.27	ug/l #	100
73) Isopropylbenzene	11.02	105	752258	151.33	ug/l	100
74) N-amyl acetate	6.47	43	336242	140.65	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	236453	144.10	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	242219m	172.34	ug/l	
77) Bromobenzene	11.26	156	209072	148.08	ug/l	98
78) n-propylbenzene	11.37	91	850308	153.11	ug/l	99
79) 2-Chlorotoluene	11.43	91	509434	149.62	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	634480	156.25	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	61101	141.23	ug/l	91
82) 4-Chlorotoluene	11.51	91	595002	149.78	ug/l	98
83) tert-Butylbenzene	11.77	119	621264	156.54	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	650320	155.90	ug/l	98
85) sec-Butylbenzene	11.95	105	741704	154.06	ug/l	100
86) p-Isopropyltoluene	12.07	119	686933	160.29	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	391969	151.68	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	392483	149.57	ug/l	98
89) n-Butylbenzene	12.39	91	570113	156.17	ug/l	99
90) Hexachloroethane	12.60	117	100878	155.35	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	397217	153.05	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50129	146.85	ug/l	92

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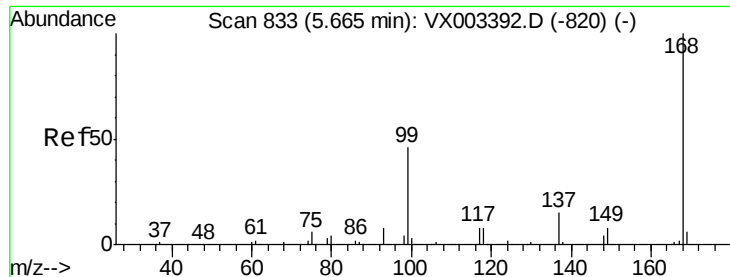
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	264142	148.74	ug/l	100
94) Hexachlorobutadiene	13.79	225	125760	147.11	ug/l	98
95) Naphthalene	13.83	128	788944	154.99	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	269480	147.52	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 82989

Ion Ratio Lower Upper

168 100

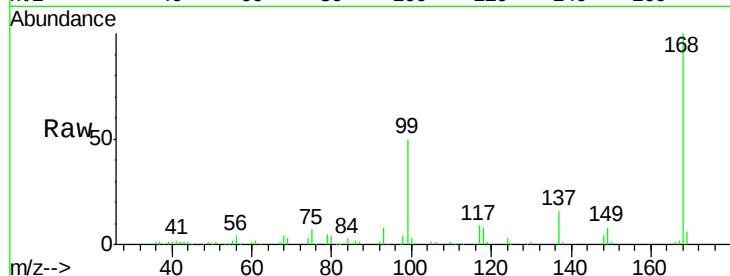
99 50.0 39.3 58.9

Manual Integrations

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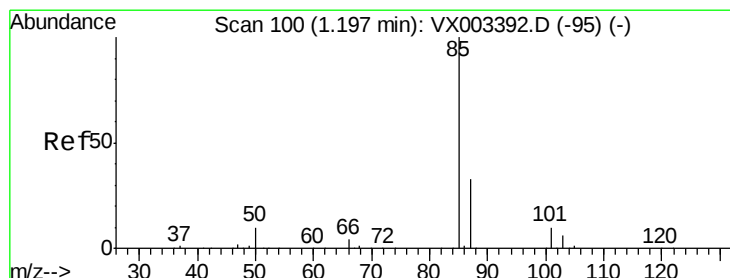
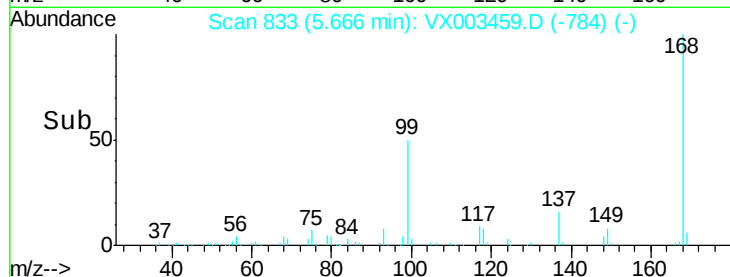
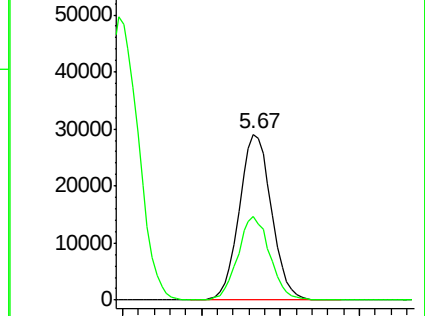
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 166.59 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003459.D

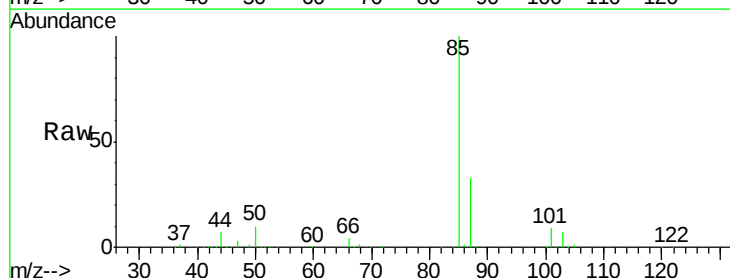
Acq: 18 Jul 2018 20:28

Tgt Ion: 85 Resp: 156048

Ion Ratio Lower Upper

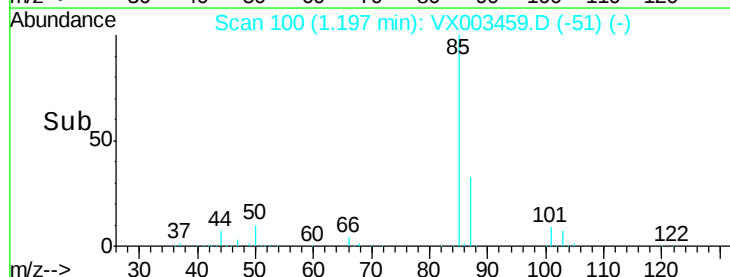
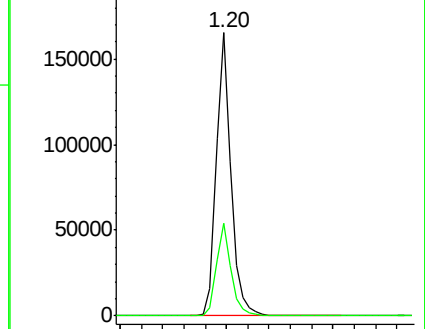
85 100

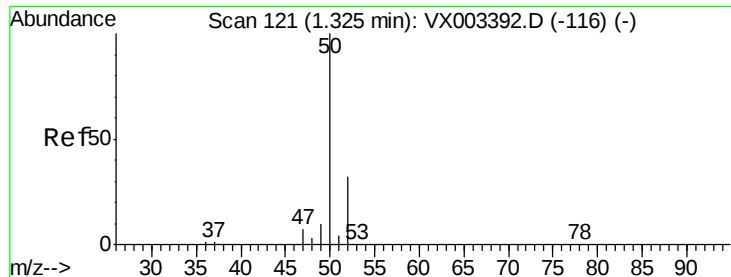
87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 159.95 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 162149

Ion Ratio Lower Upper

50 100

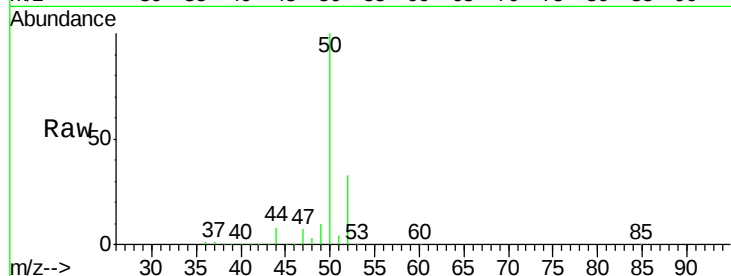
52 32.6 25.7 38.5

Manual Integrations

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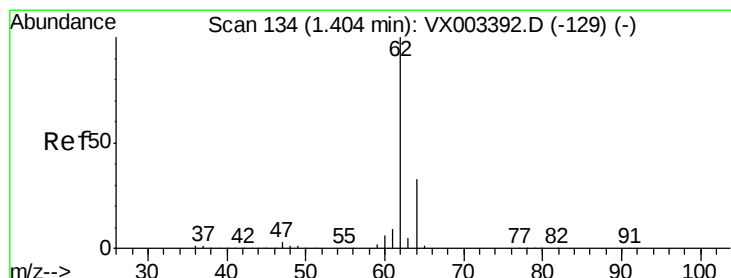
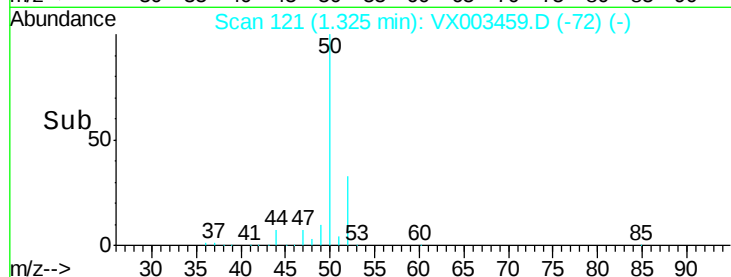
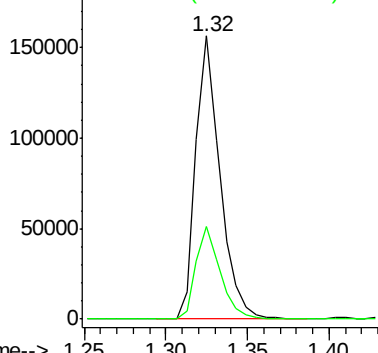
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 160.94 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003459.D

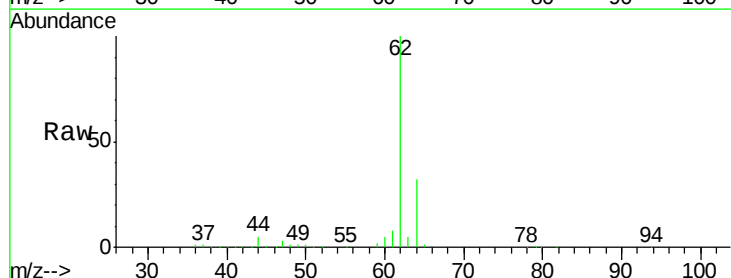
Acq: 18 Jul 2018 20:28

Tgt Ion: 62 Resp: 177803

Ion Ratio Lower Upper

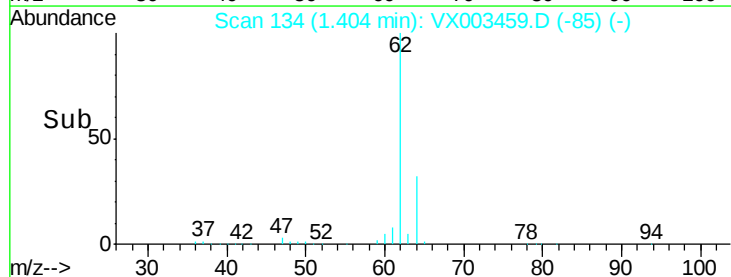
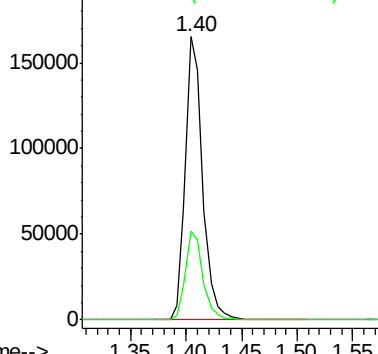
62 100

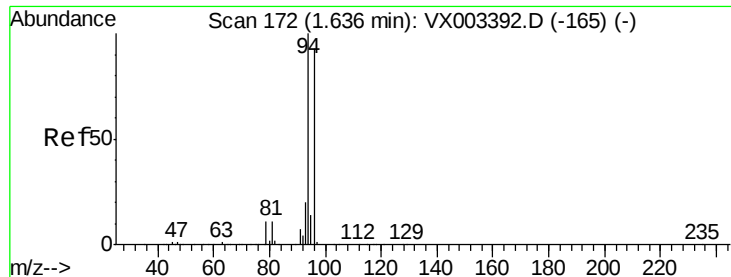
64 31.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 212.57 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 74031

Ion Ratio Lower Upper

94 100

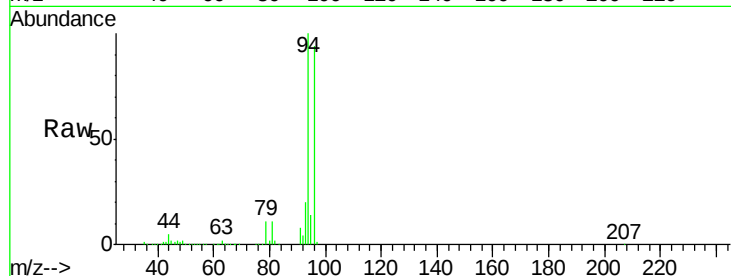
96 94.5 74.9 112.3

Manual Integrations

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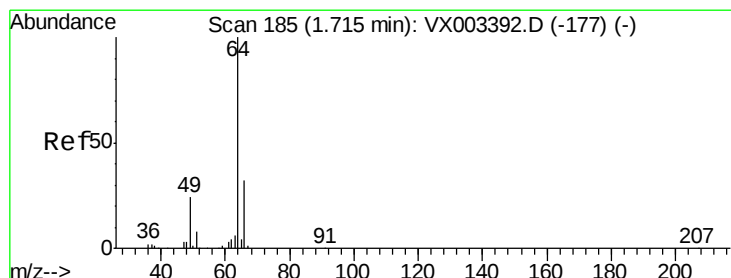
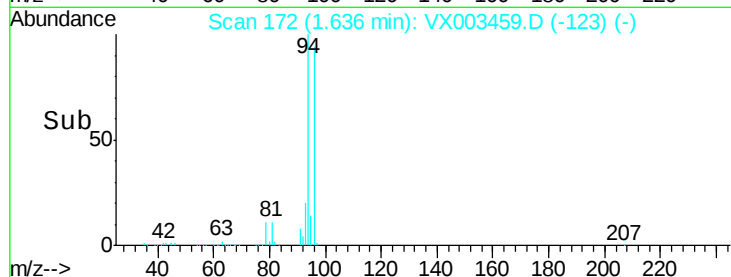
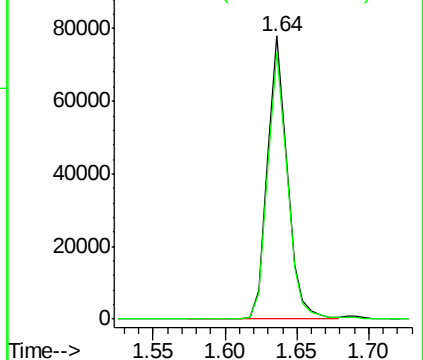
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 183.00 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003459.D

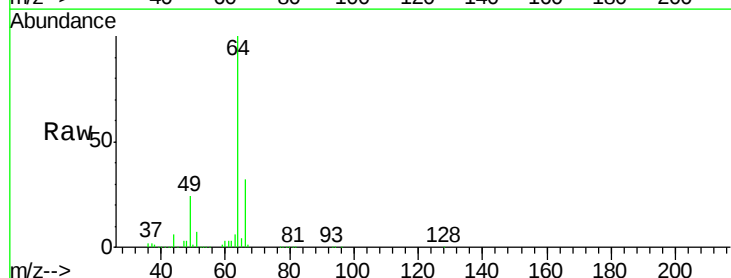
Acq: 18 Jul 2018 20:28

Tgt Ion: 64 Resp: 108108

Ion Ratio Lower Upper

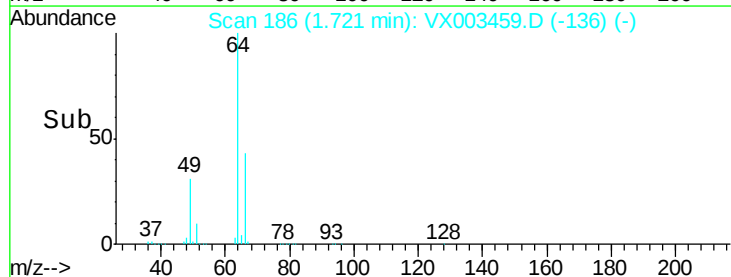
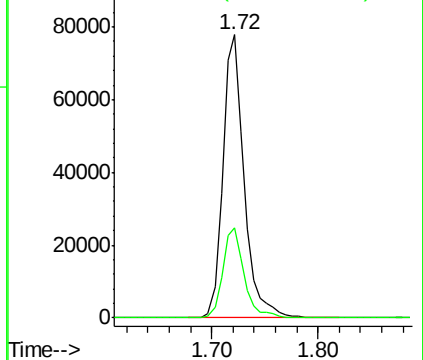
64 100

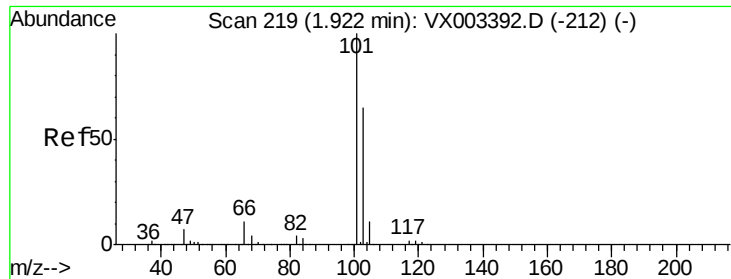
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

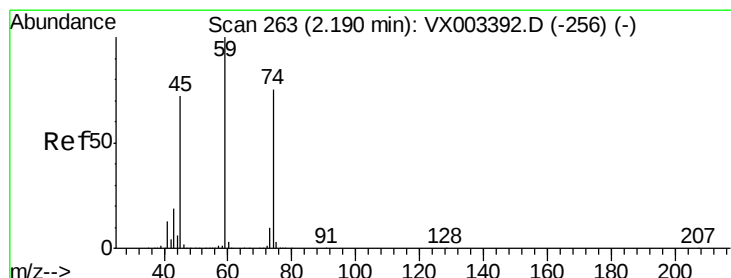
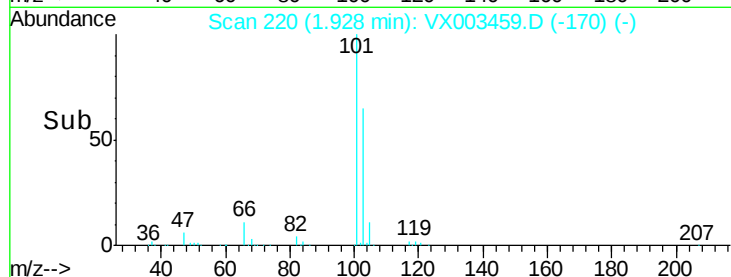
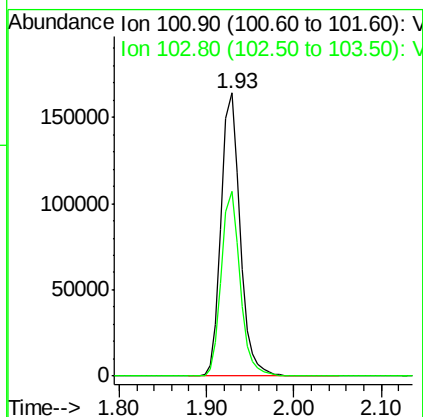
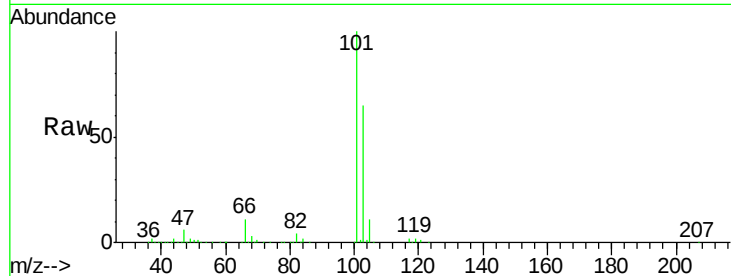
Trichlorofluoromethane
 Concen: 167.73 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.8	79.2

Manual Integrations
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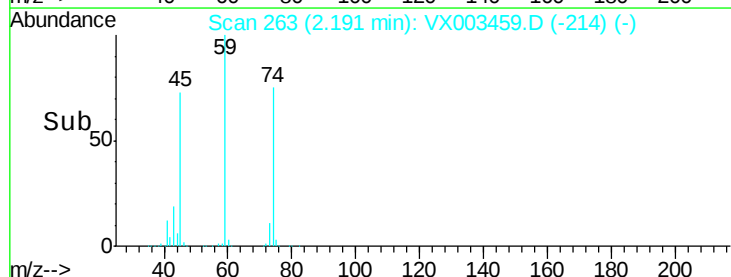
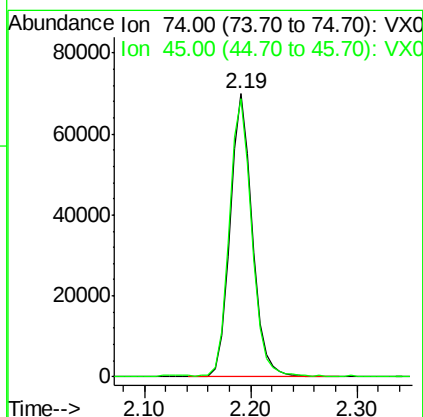
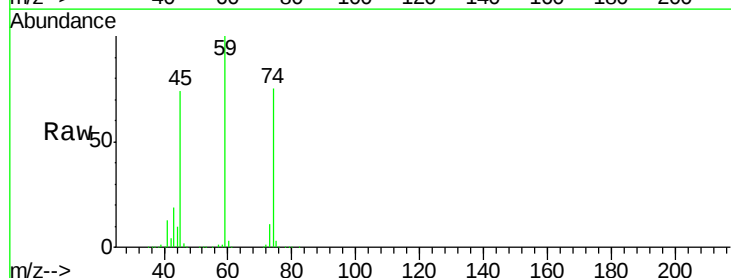
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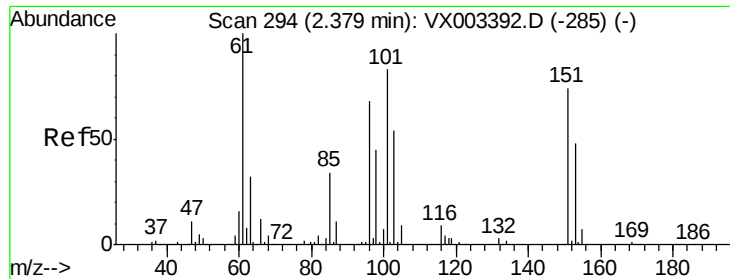


#8

Diethyl Ether
 Concen: 162.59 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 163.49 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

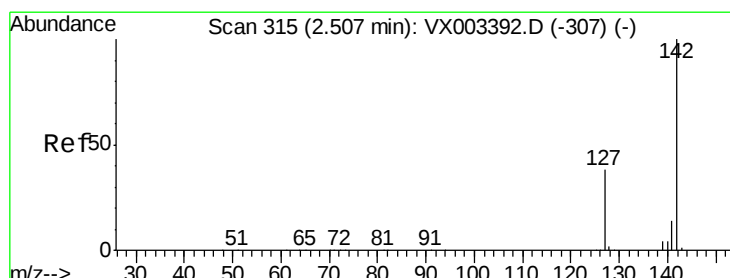
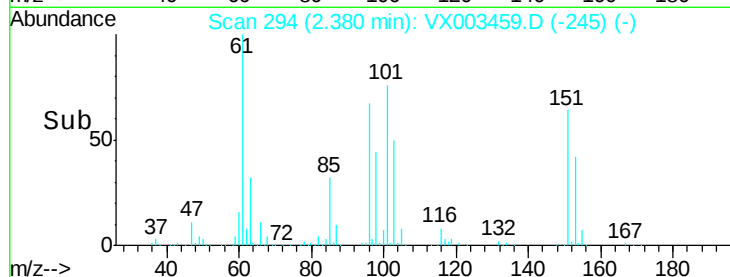
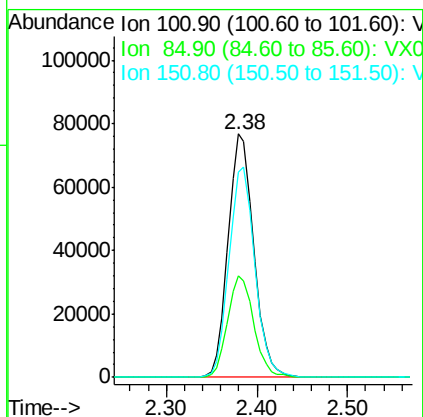
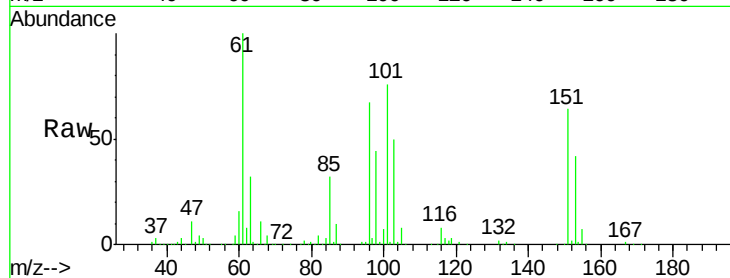
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	151336
Ion Ratio	Lower	Upper	
101	100		
85	42.3	36.0	54.0
151	87.0	70.9	106.3

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 180.91 ug/l

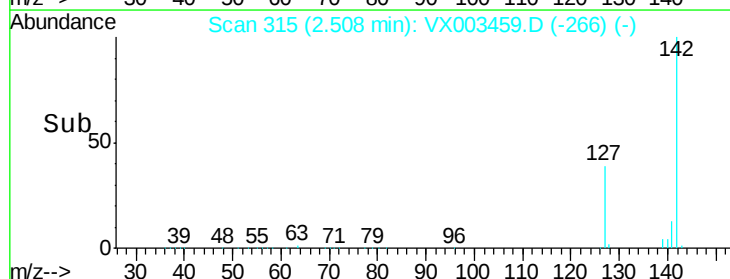
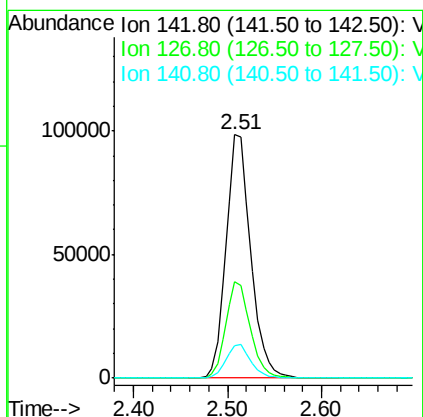
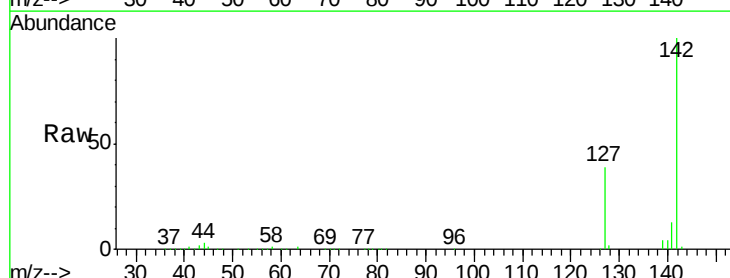
RT: 2.51 min Scan# 315

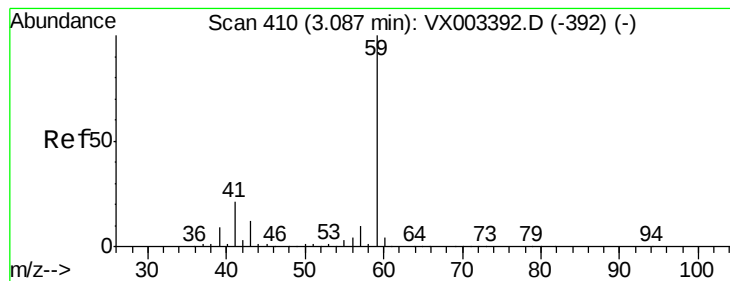
Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Tgt Ion:	142	Resp:	179151
Ion Ratio	Lower	Upper	
142	100		
127	39.5	36.6	55.0
141	13.9	11.3	16.9





#11

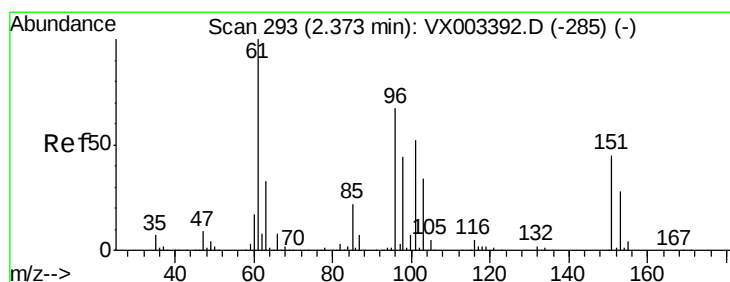
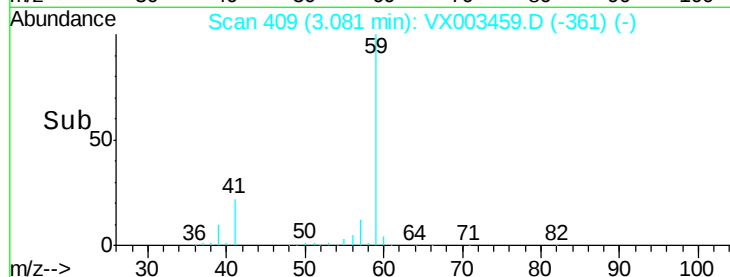
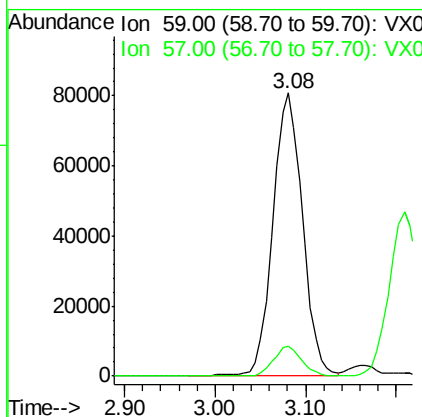
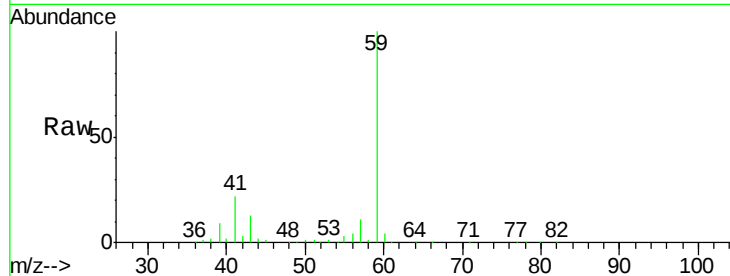
Tert butyl alcohol
Concen: 748.43 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	182926		
57	10.1		8.2	12.2

Manual Integrations
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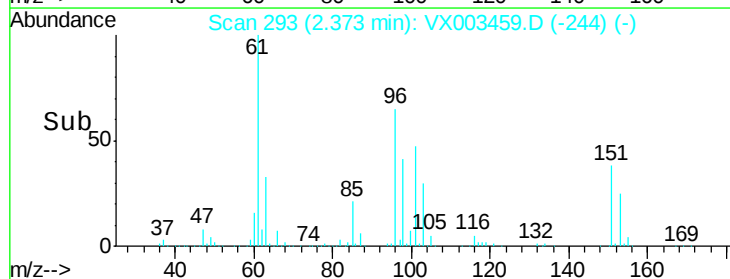
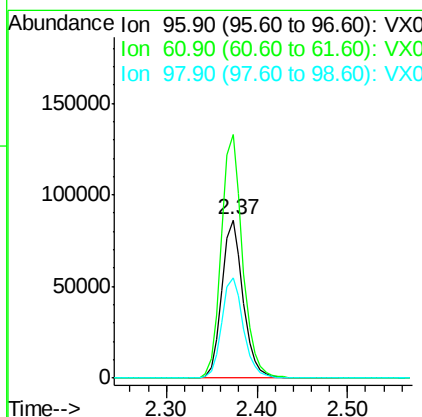
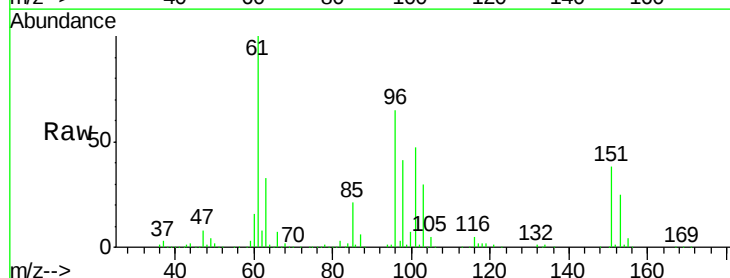
MMDadoda
7/19/2018 1:04:16 PM

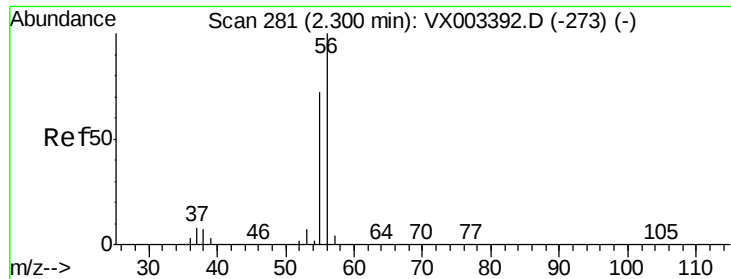


#12

1,1-Dichloroethene
Concen: 161.12 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	140944		
61	153.8		137.9	206.9
98	63.5		51.6	77.4





#13

Acrolein

Concen: 909.49 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 106632

Ion Ratio Lower Upper

56 100

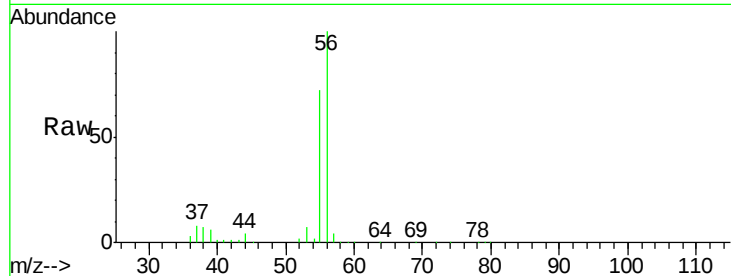
55 71.4 57.0 85.4

Manual Integrations

APPROVED

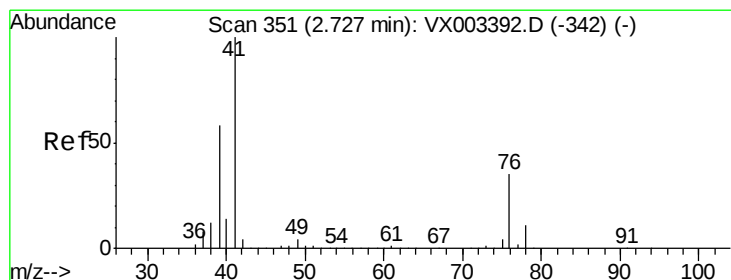
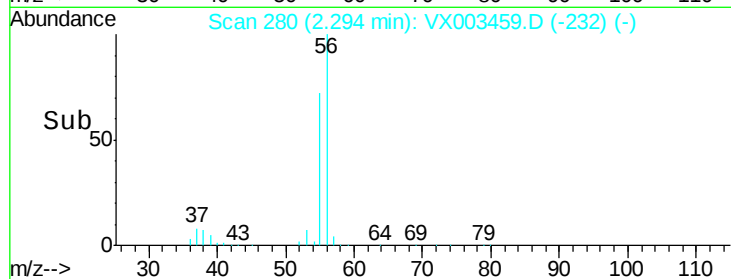
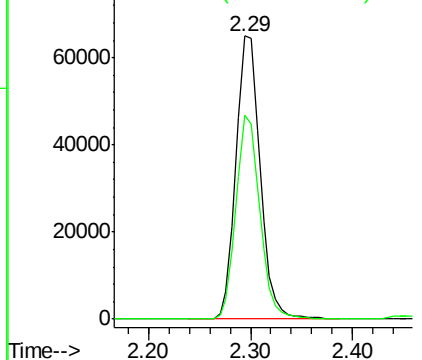
MMDadoda

7/19/2018 1:04:16 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 163.06 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

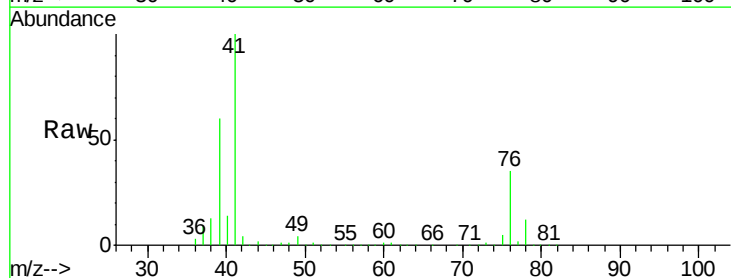
Tgt Ion: 41 Resp: 258749

Ion Ratio Lower Upper

41 100

39 57.5 56.8 85.2

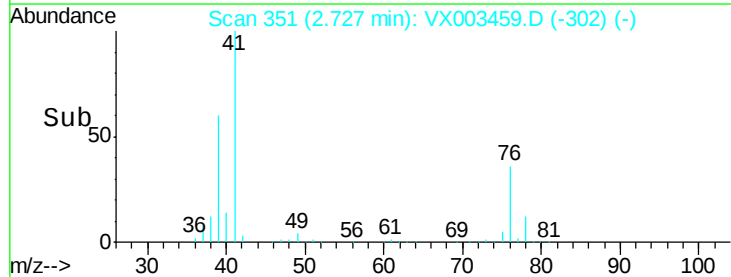
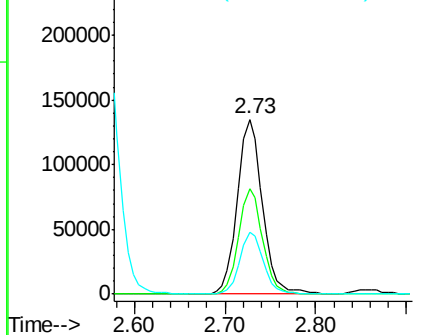
76 33.1 23.8 35.8

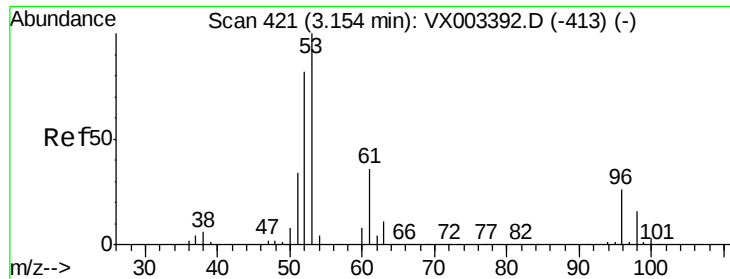


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 803.48 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

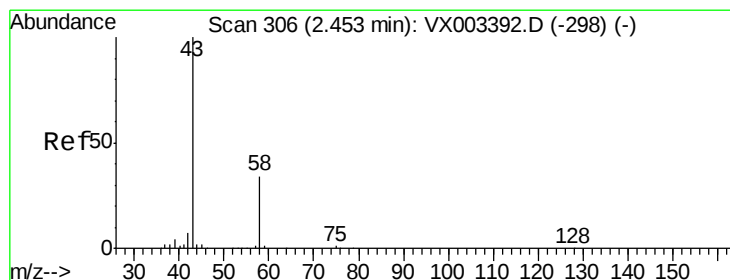
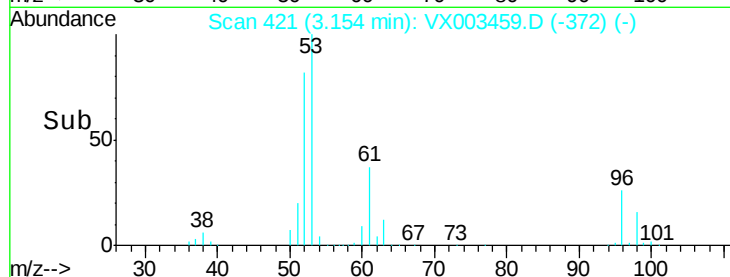
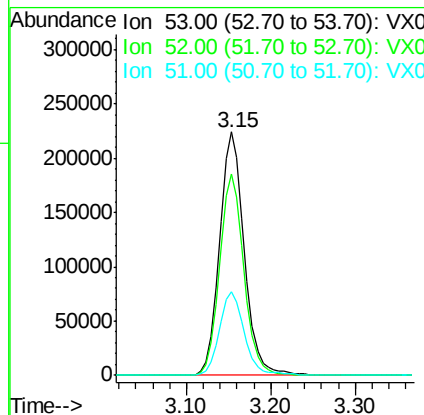
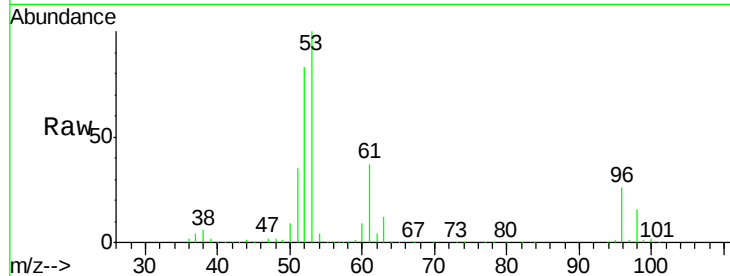
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	449919
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.7	100.1
51	35.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 786.63 ug/l

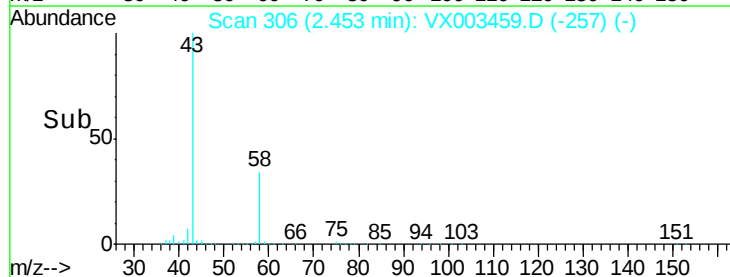
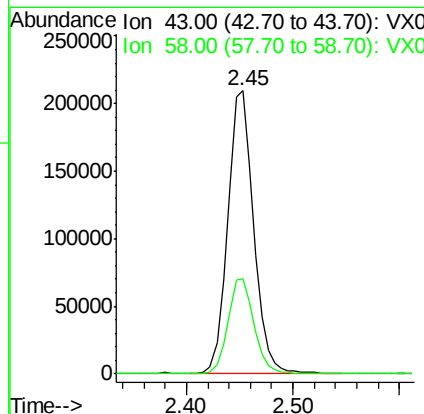
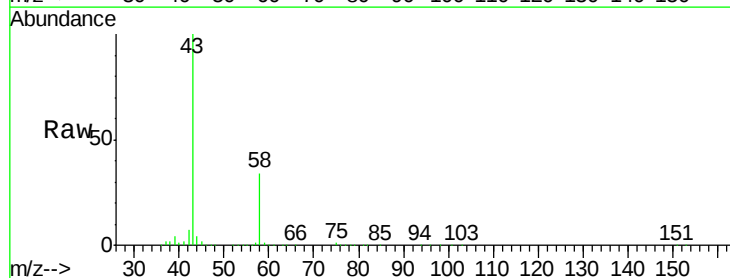
RT: 2.45 min Scan# 306

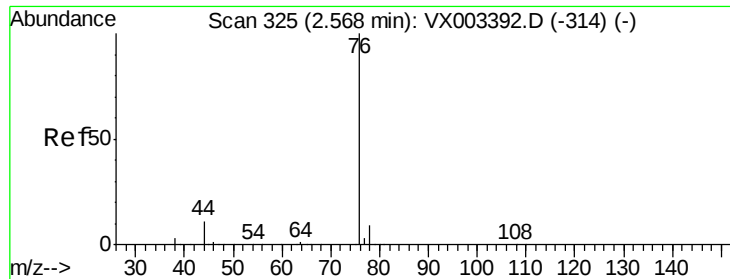
Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Tgt Ion:	43	Resp:	355594
Ion	Ratio	Lower	Upper
43	100		
58	33.8	22.1	33.1#





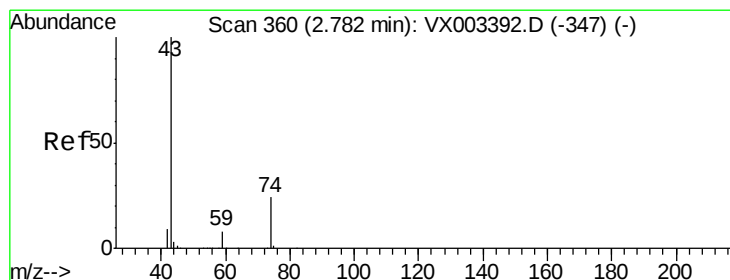
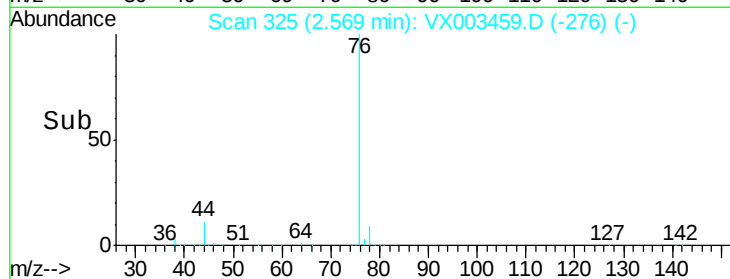
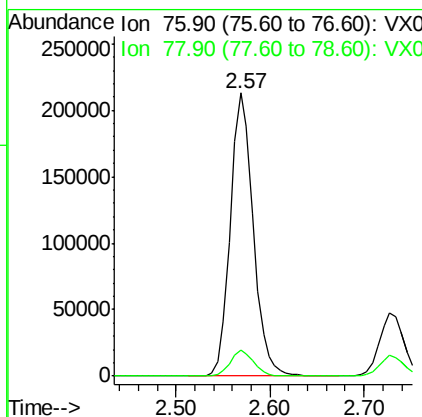
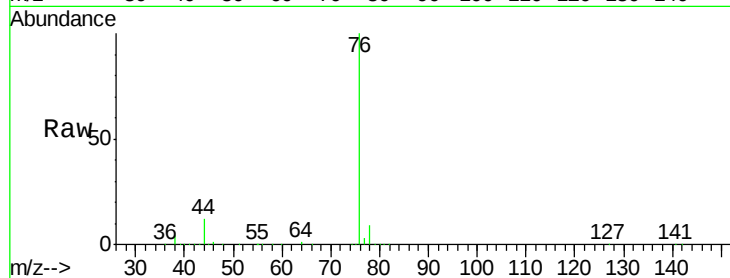
#17
Carbon Disulfide
Concen: 150.55 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

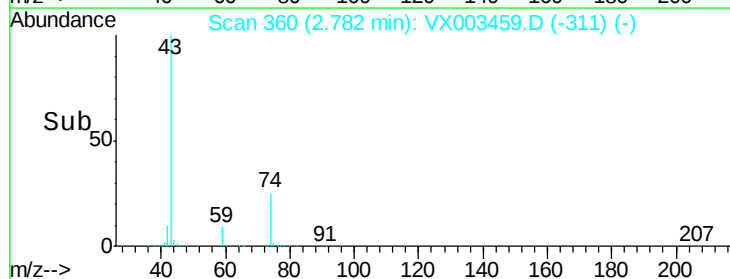
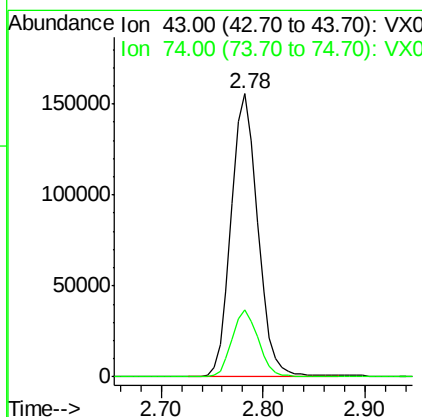
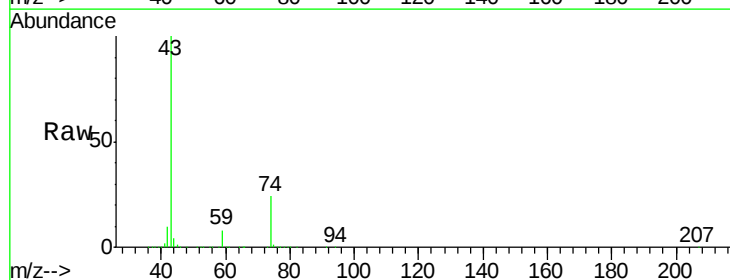
Manual Integrations
APPROVED

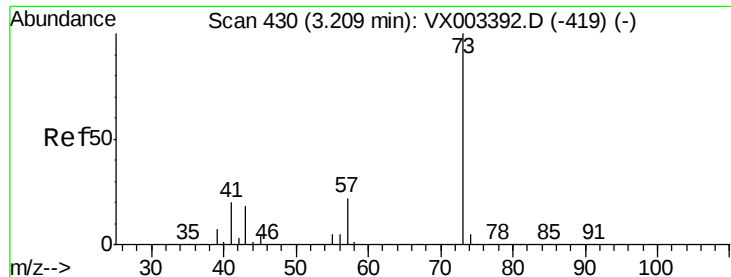
MMDadoda
7/19/2018 1:04:16 PM



#18
Methyl Acetate
Concen: 190.44 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	16.7	25.1





#19

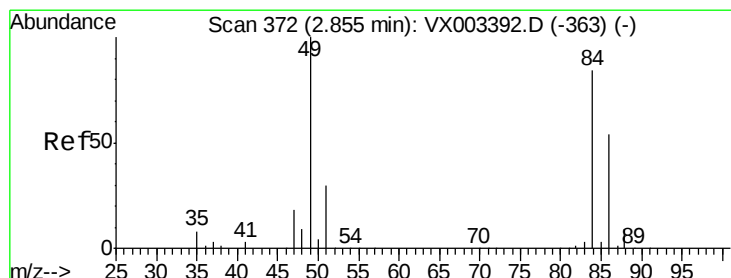
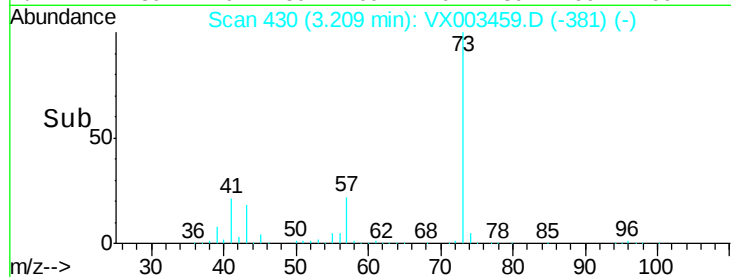
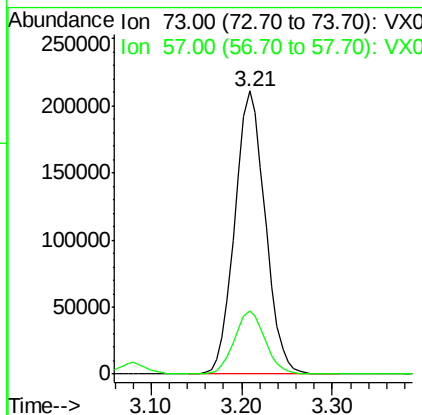
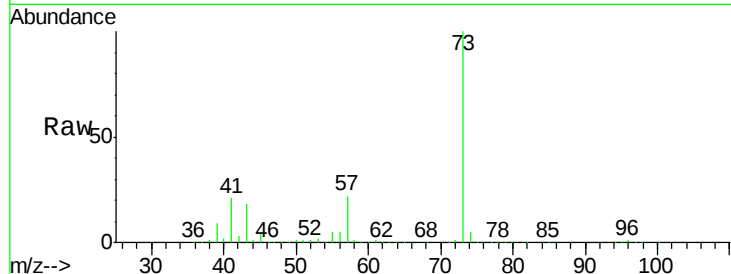
Methyl tert-butyl Ether
 Concen: 169.58 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5

Manual Integrations
 APPROVED

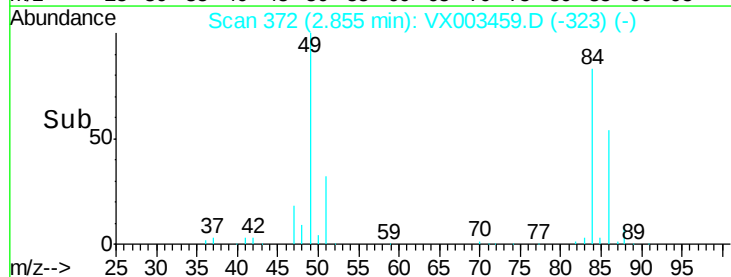
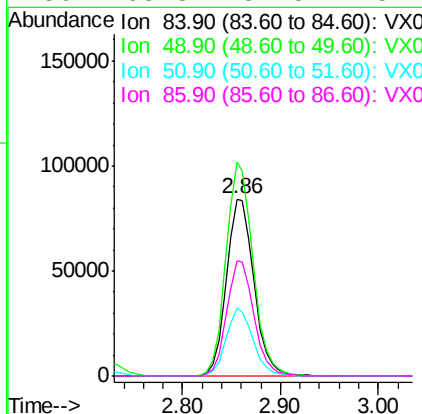
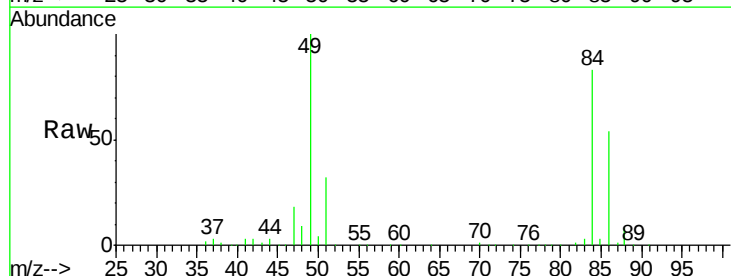
MMDadoda
 7/19/2018 1:04:16 PM

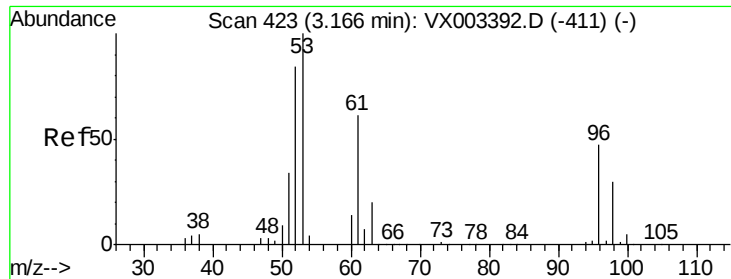


#20

Methylene Chloride
 Concen: 163.48 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.7	107.8	161.6
51	38.1	32.8	49.2
86	65.3	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 160.98 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

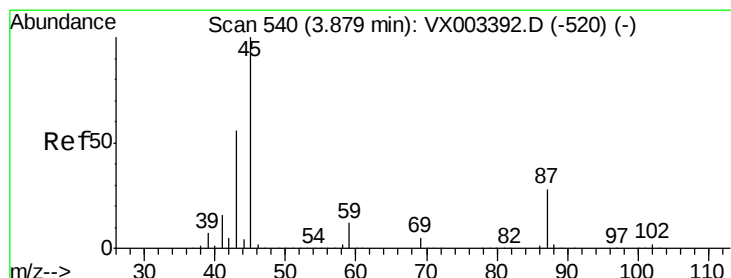
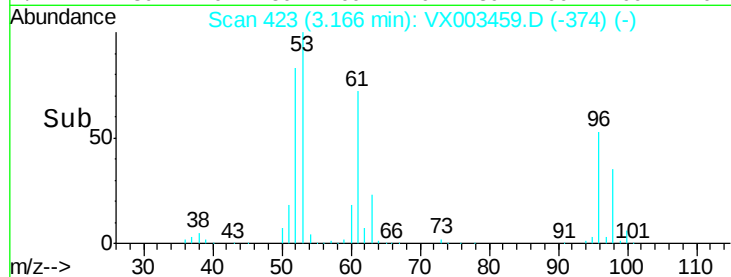
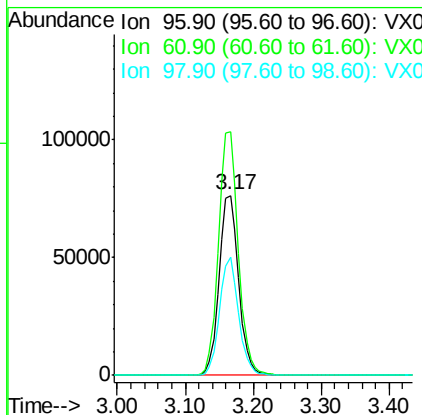
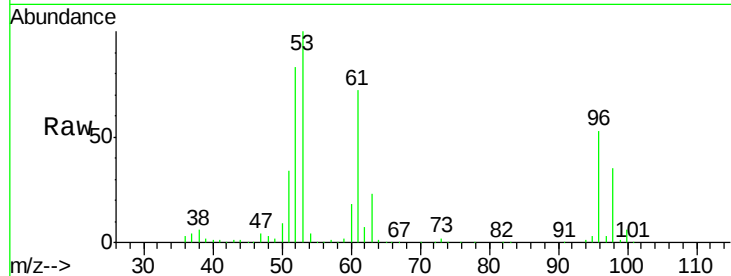
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	152104
Ion	Ratio	Lower	Upper
96	100		
61	135.1	117.0	175.4
98	65.3	52.4	78.6

Manual Integrations
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7/19/2018 1:04:16 PM



#22

Diisopropyl ether

Concen: 158.23 ug/l

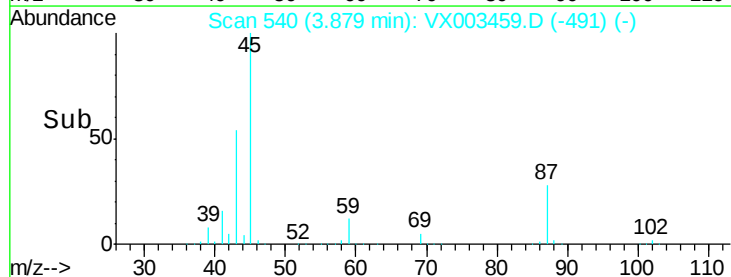
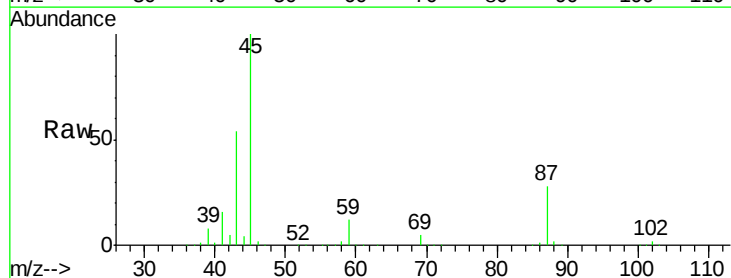
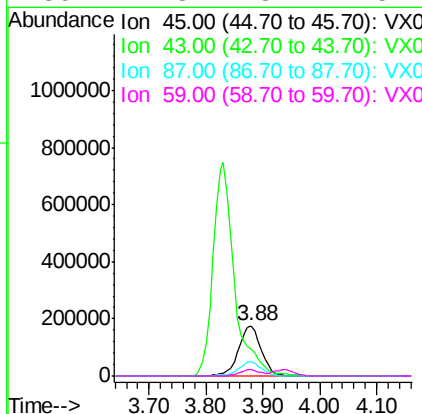
RT: 3.88 min Scan# 540

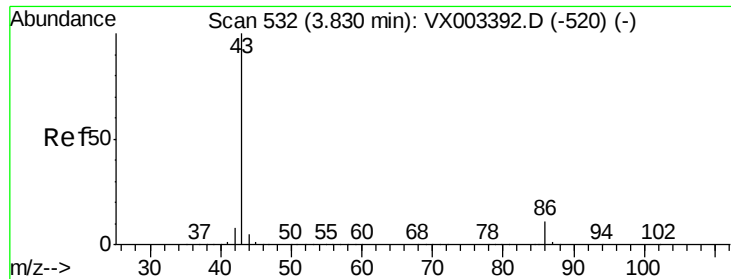
Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Tgt Ion:	45	Resp:	487016
Ion	Ratio	Lower	Upper
45	100		
43	54.1	46.8	70.2
87	28.1	20.2	30.4
59	11.8	8.7	13.1





#23

Vinyl Acetate

Concen: 770.31 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1955449

Ion Ratio Lower Upper

43 100

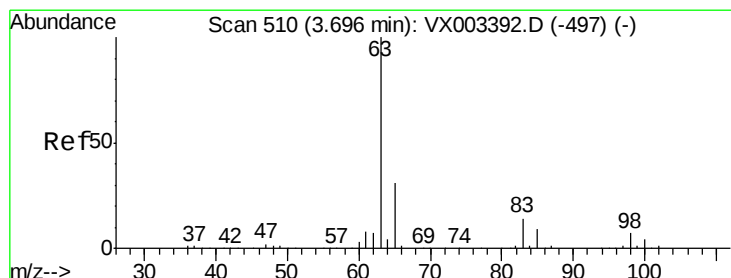
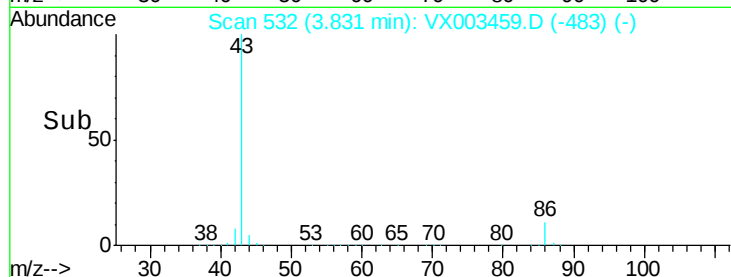
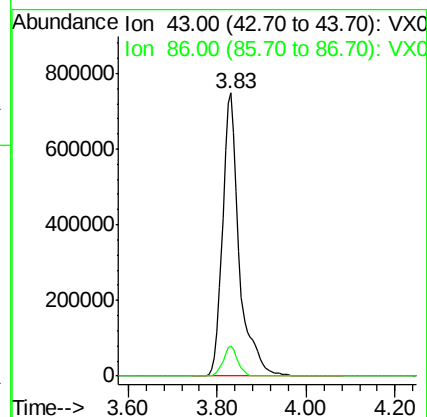
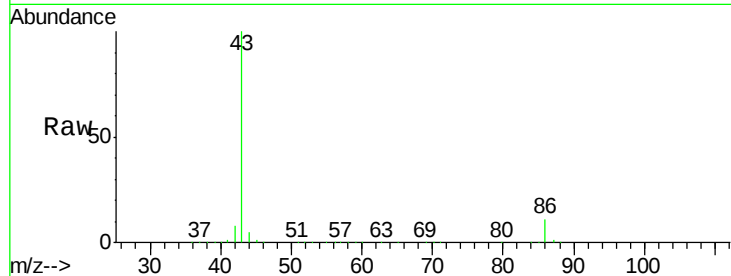
86 10.7 7.4 11.0

Manual Integrations

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7/19/2018 1:04:16 PM



#24

1,1-Dichloroethane

Concen: 169.25 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

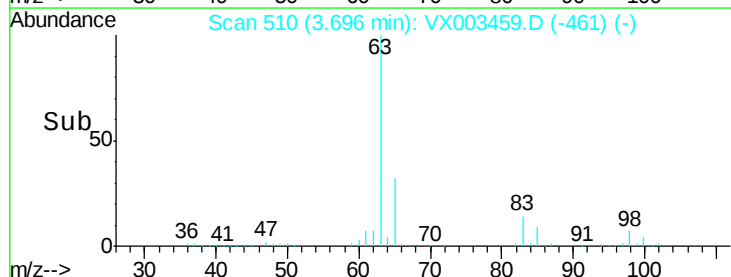
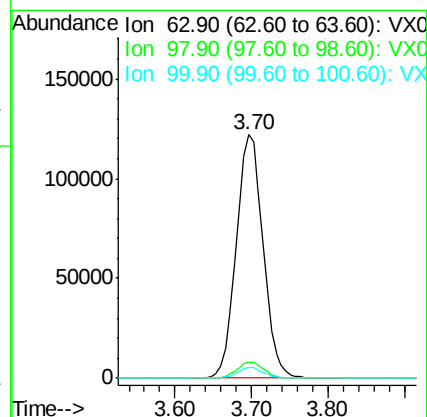
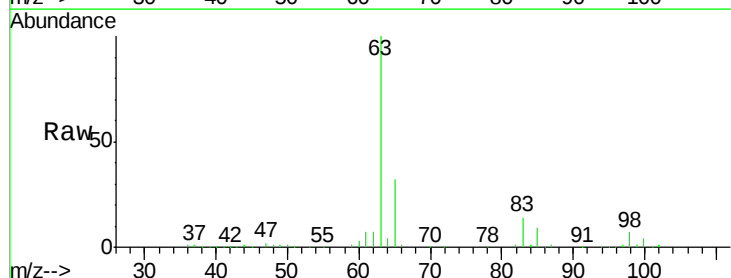
Tgt Ion: 63 Resp: 295541

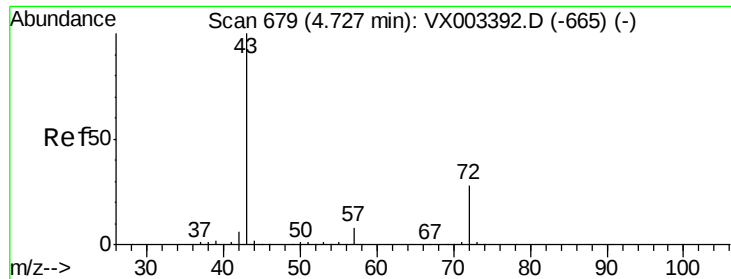
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 788.66 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 557939

Ion Ratio Lower Upper

43 100

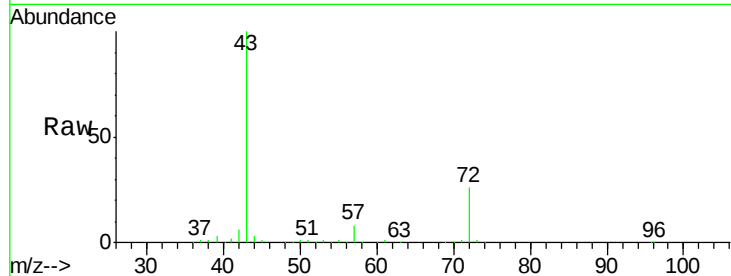
72 26.0 18.5 27.7

Manual Integrations

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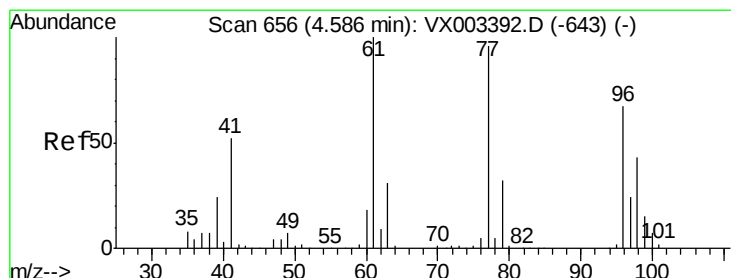
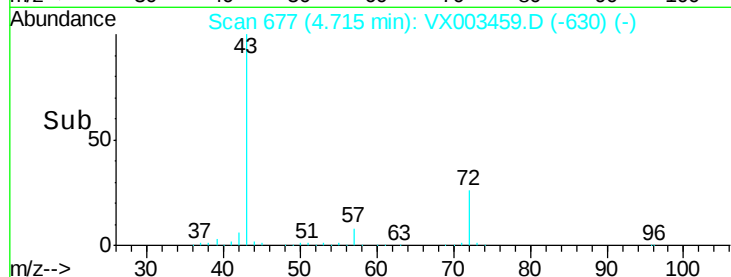
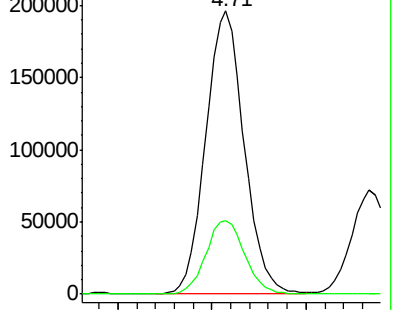
MMDadoda

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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: 126.56 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003459.D

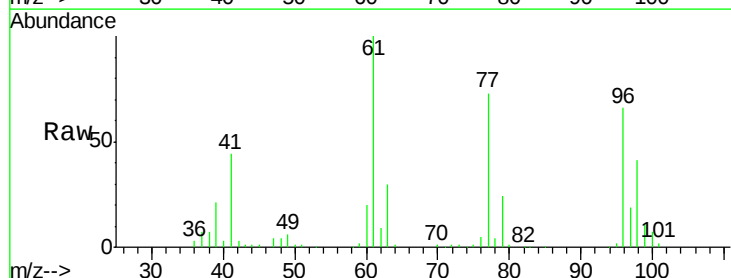
Acq: 18 Jul 2018 20:28

Tgt Ion: 77 Resp: 155117

Ion Ratio Lower Upper

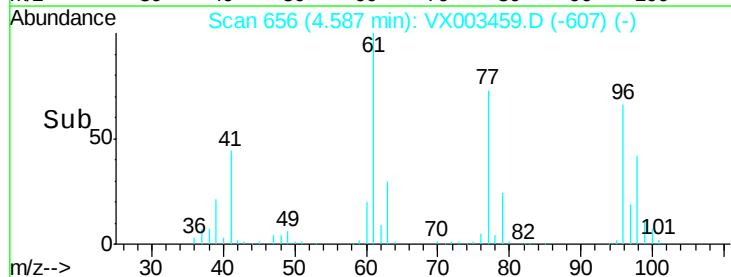
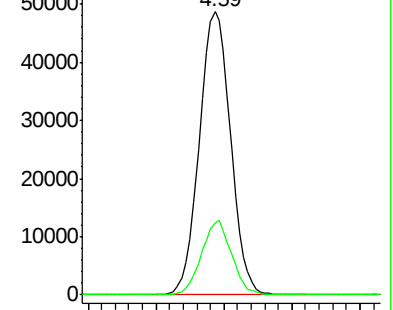
77 100

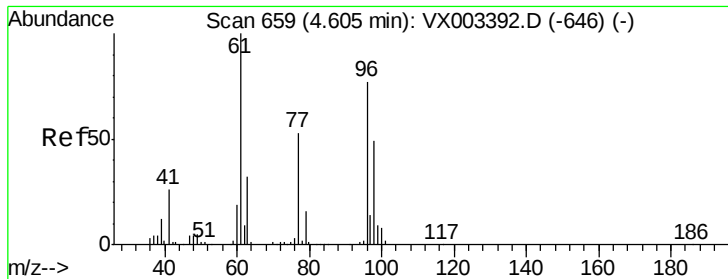
97 25.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

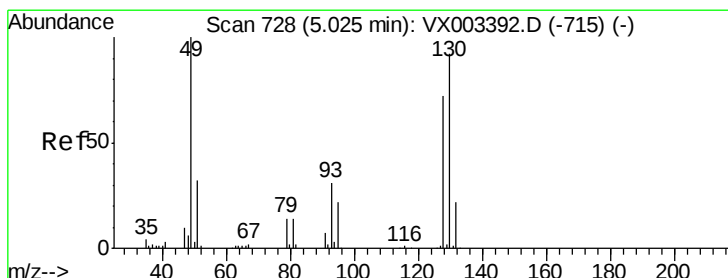
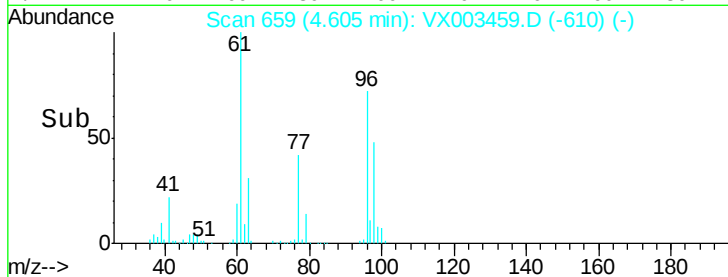
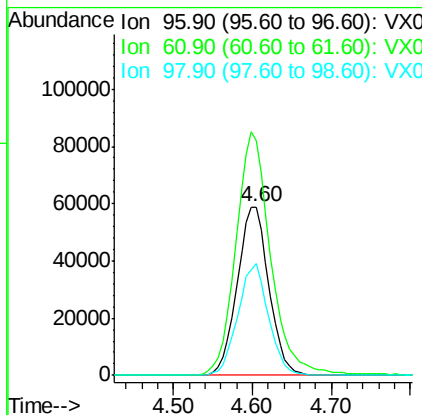
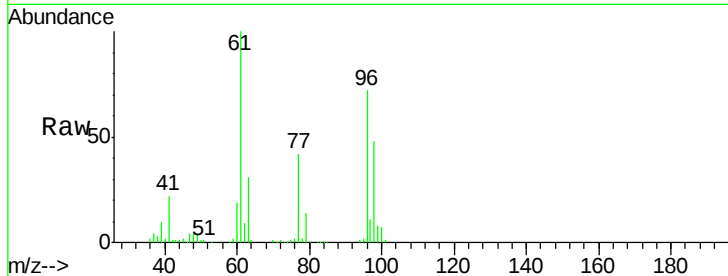
cis-1,2-Dichloroethene
Concen: 161.38 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	158.6	0.0	330.2	
98	64.3	0.0	130.2	

Manual Integrations
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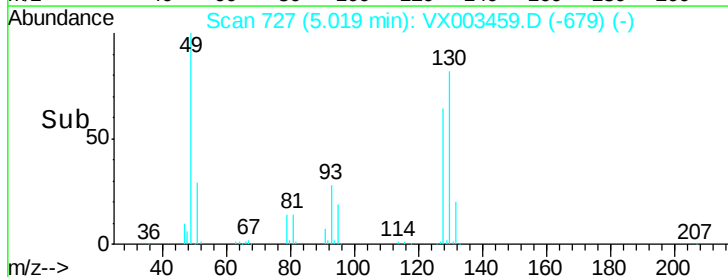
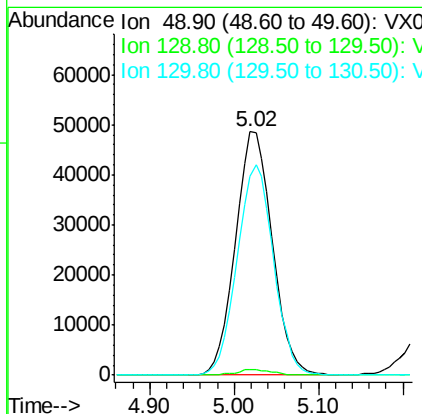
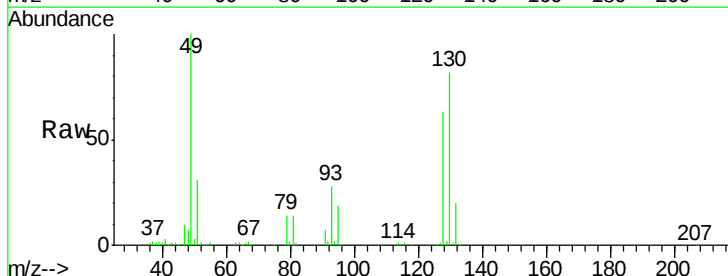
MMDadoda
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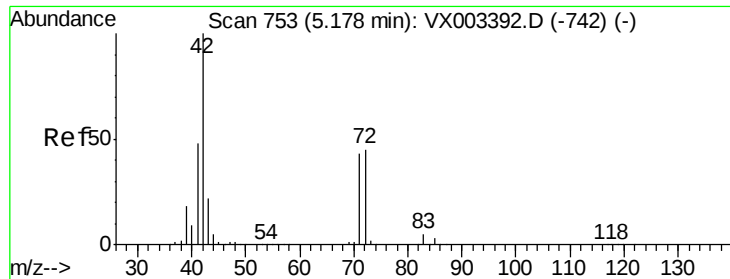


#28

Bromochloromethane
Concen: 190.68 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.2	
130	85.0	61.2	91.8	





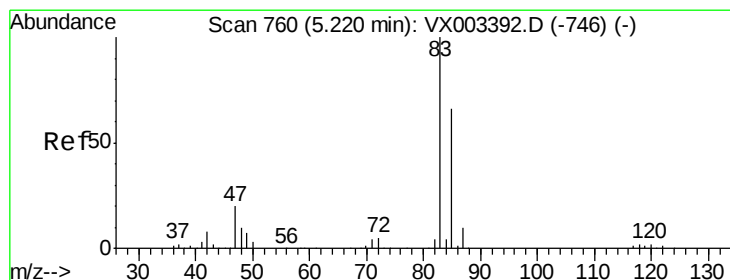
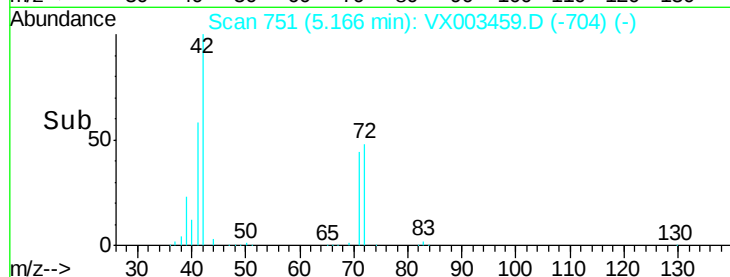
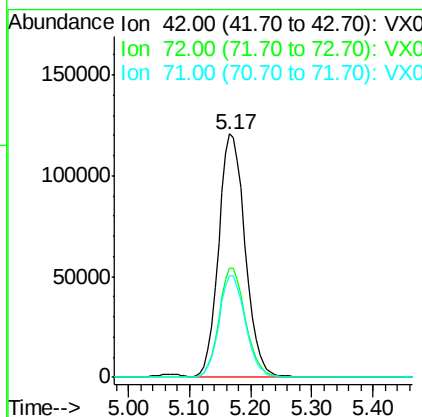
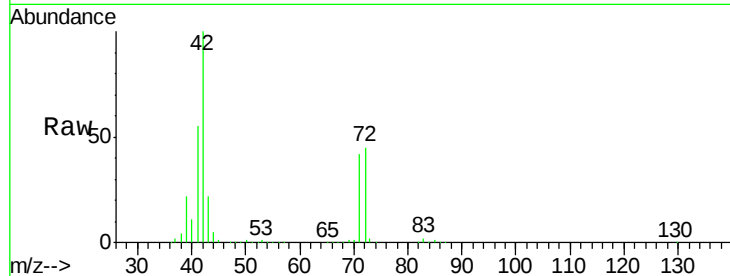
#29
Tetrahydrofuran
Concen: 807.11 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	32.0	48.0
71	41.5	30.1	45.1

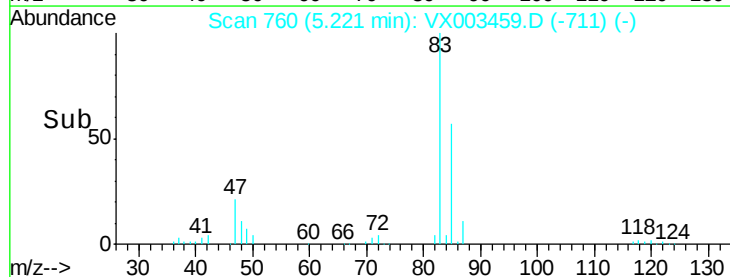
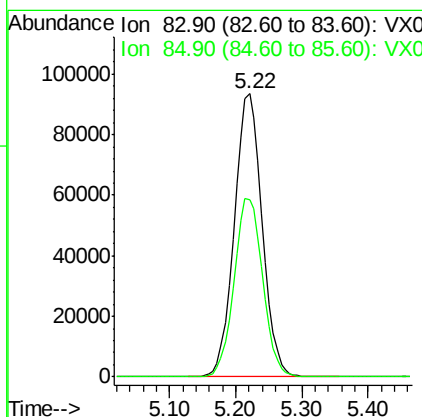
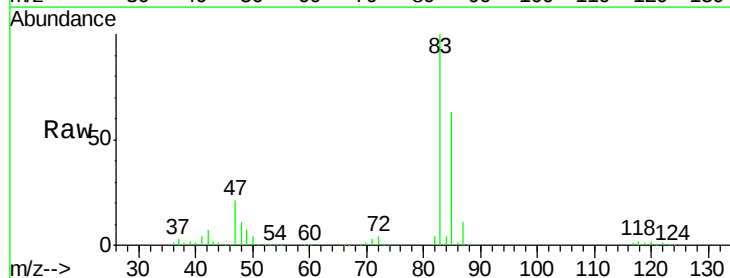
Manual Integrations
APPROVED

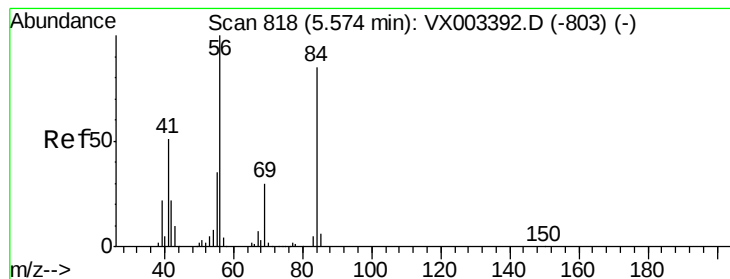
MMDadoda
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#30
Chloroform
Concen: 169.46 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.4	75.6





#31

Cyclohexane

Concen: 165.73 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

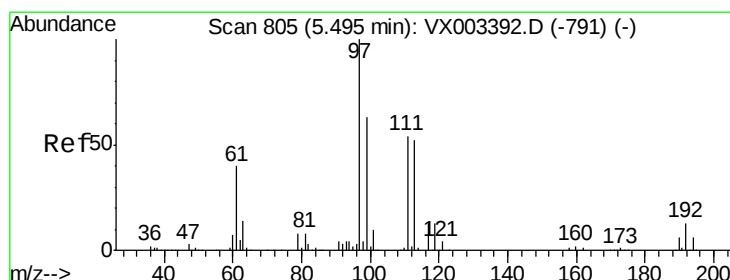
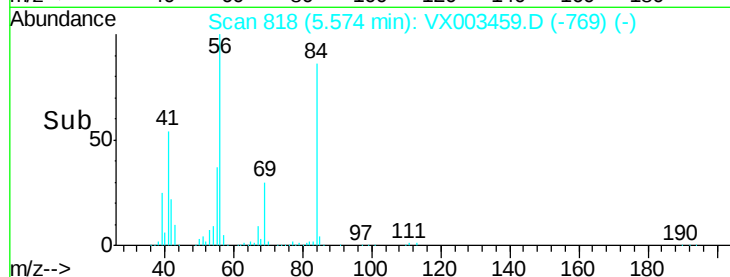
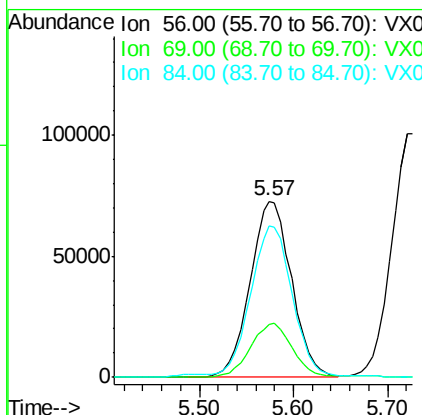
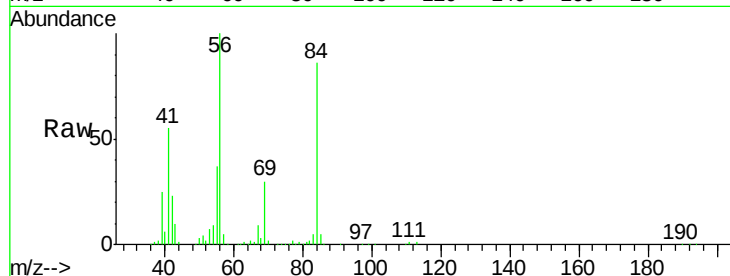
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	223480
Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.7	35.5
84	84.7	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 169.66 ug/l

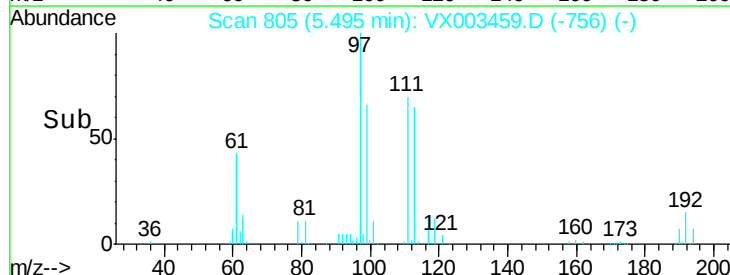
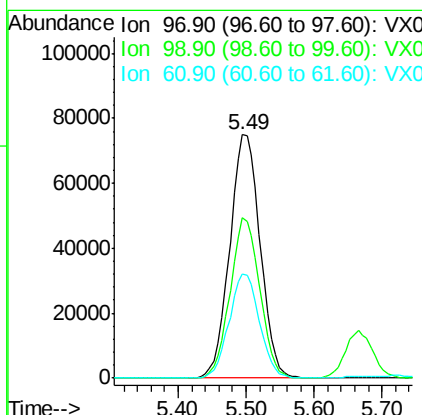
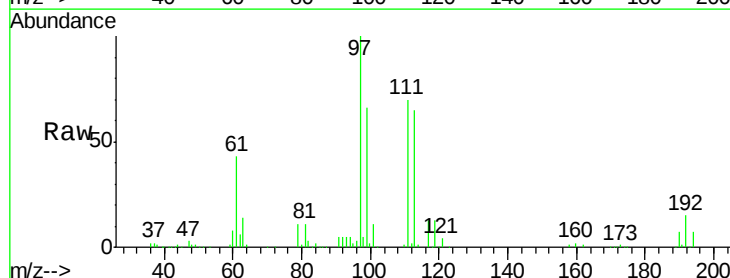
RT: 5.49 min Scan# 805

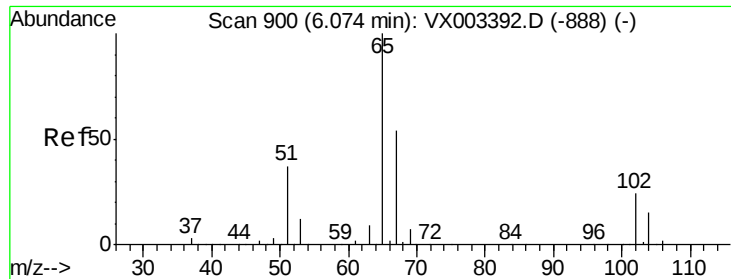
Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Tgt Ion:	97	Resp:	232177
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	42.9	36.4	54.6





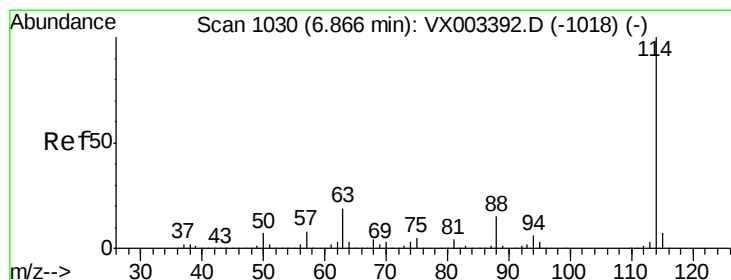
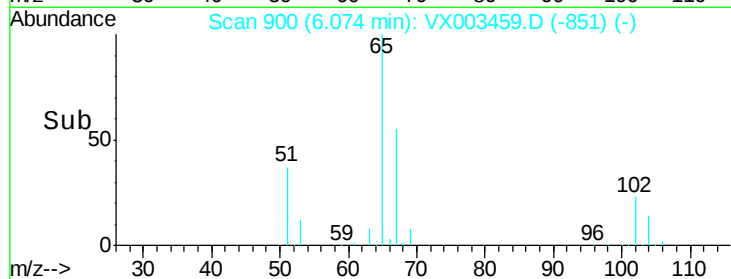
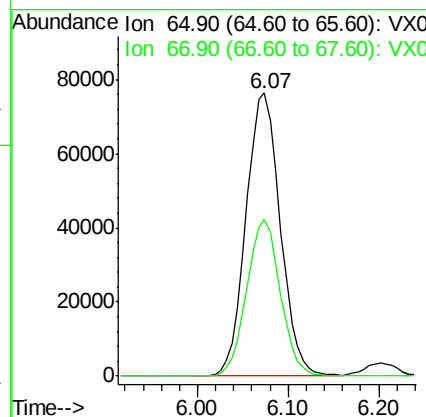
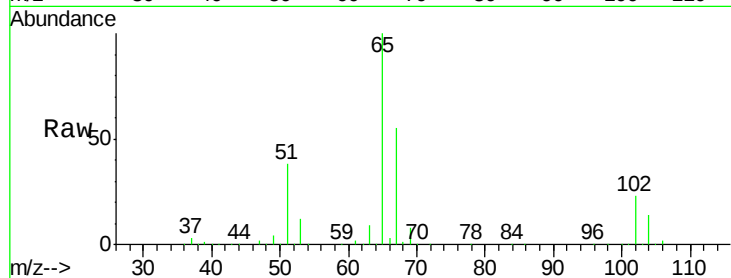
#33
 1,2-Dichloroethane-d4
 Concen: 184.85 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200892		
67	54.3	0.0	102.6	

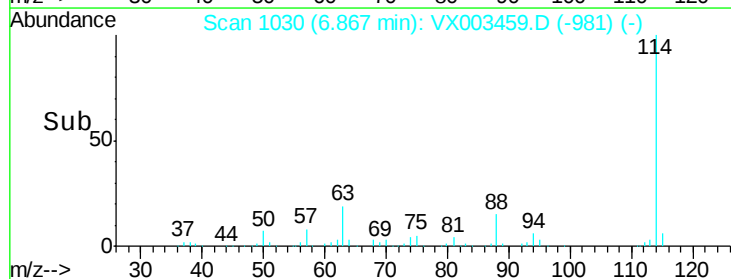
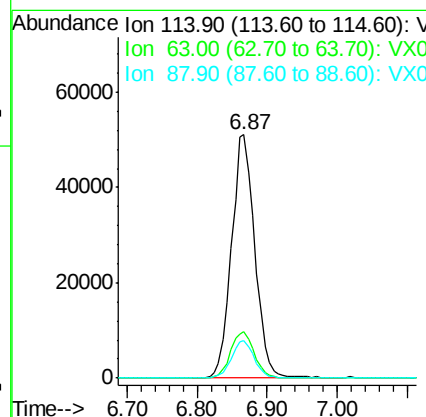
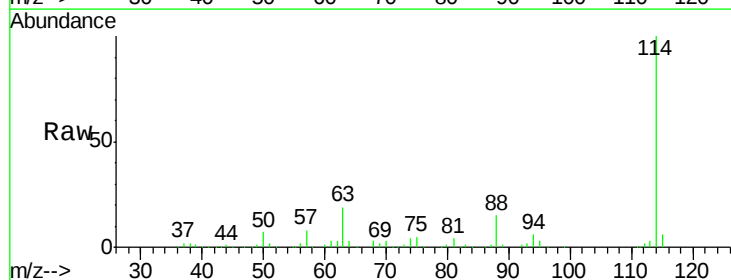
Manual Integrations
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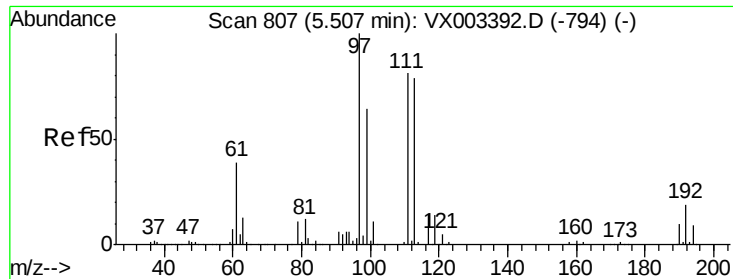
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	118566		
63	19.2	0.0	41.4	
88	15.3	0.0	30.0	





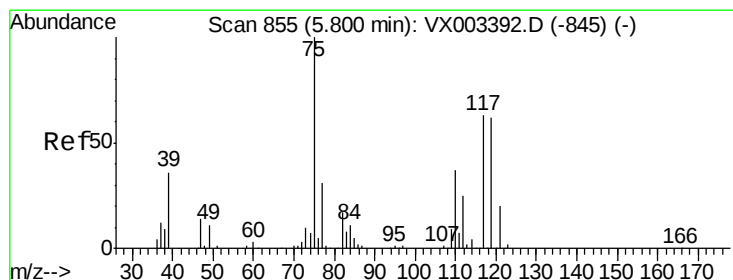
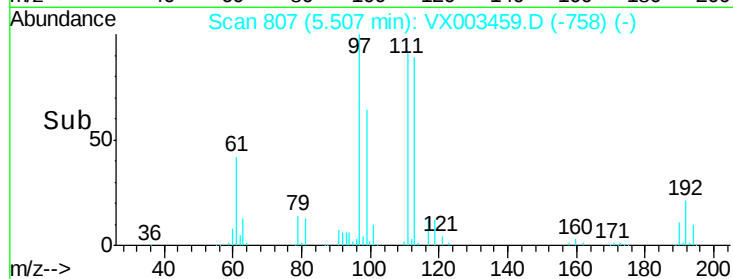
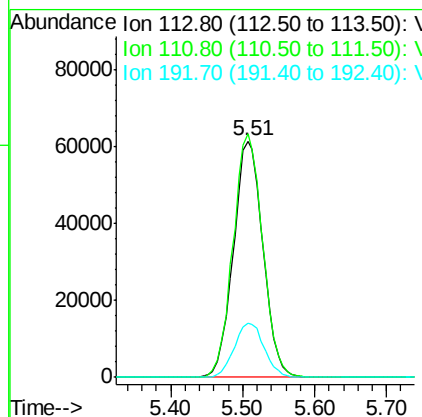
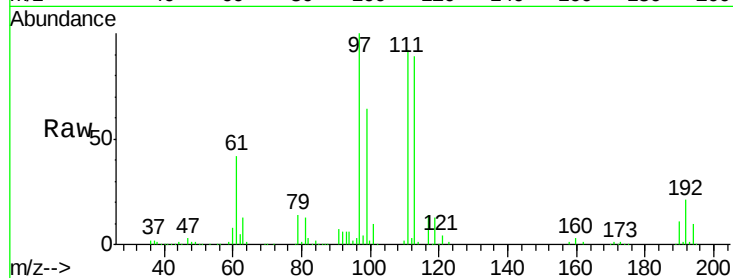
#35
 Dibromofluoromethane
 Concen: 182.14 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	174734		
111	103.1	81.4	122.0	
192	23.2	19.1	28.7	

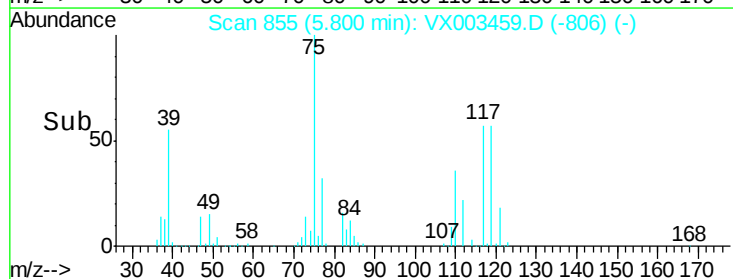
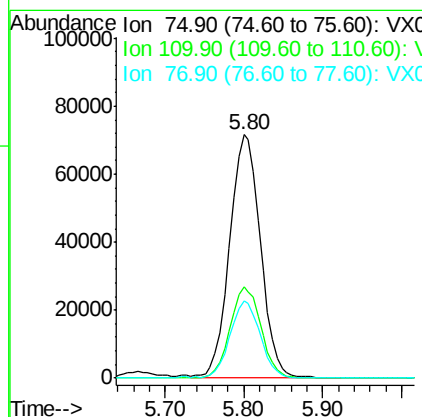
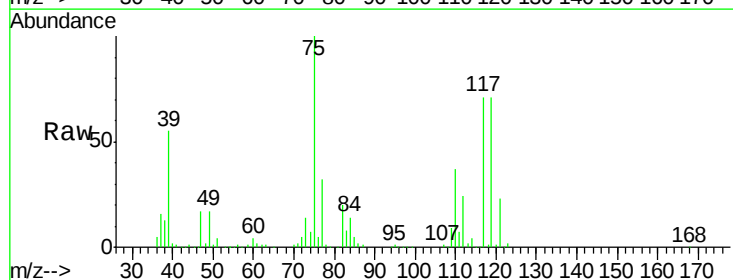
Manual Integrations
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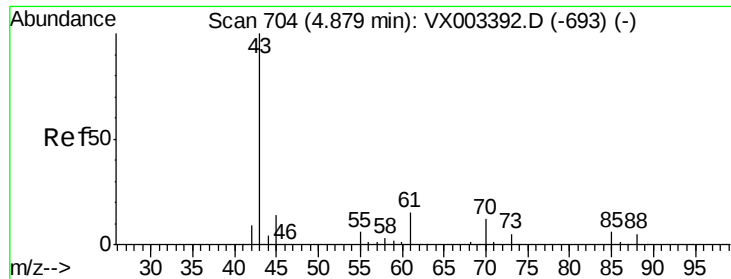
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#36
 1,1-Dichloropropene
 Concen: 161.51 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	193924		
110	37.9	18.1	54.4	
77	31.5	24.3	36.5	





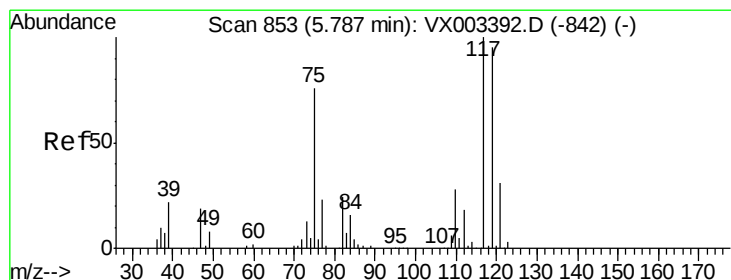
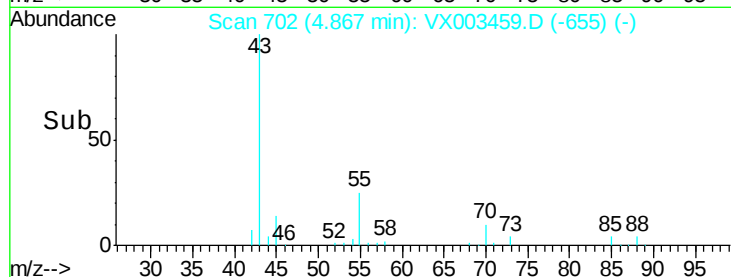
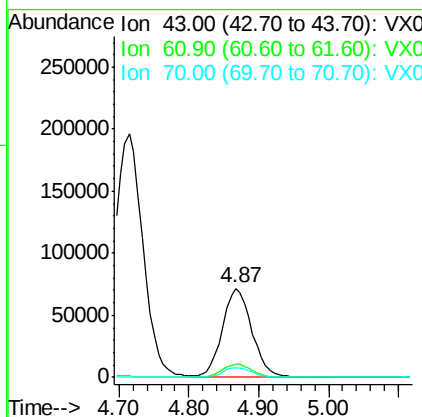
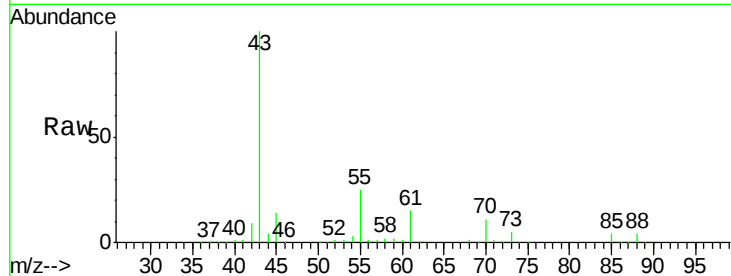
#37
Ethyl Acetate
Concen: 154.67 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.4	15.6
70	11.0	7.6	11.4

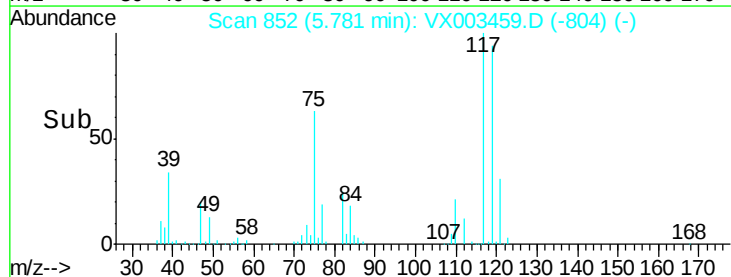
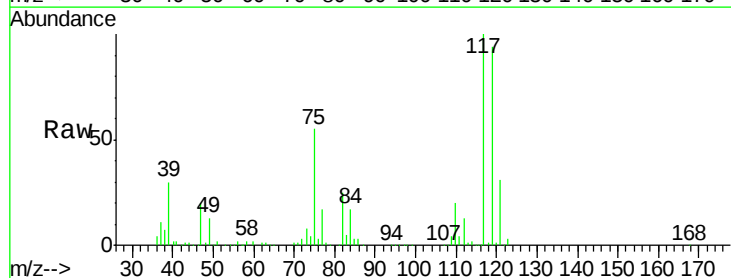
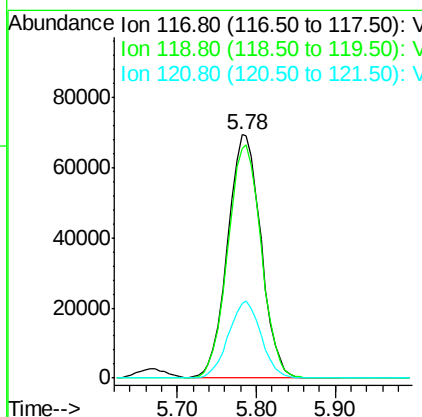
Manual Integrations
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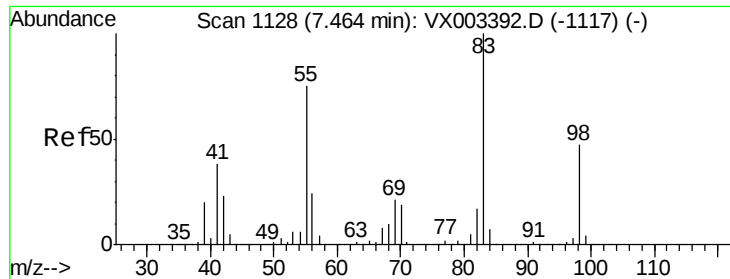
MMDadoda
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#38
Carbon Tetrachloride
Concen: 166.86 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.4	116.0
121	30.6	24.4	36.6





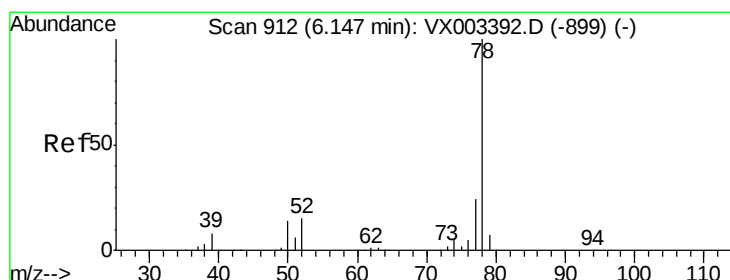
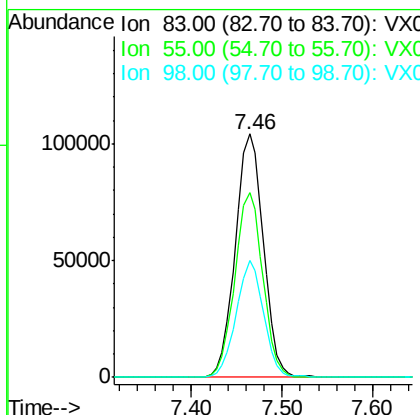
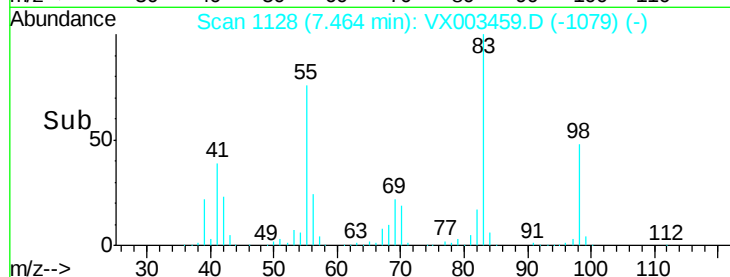
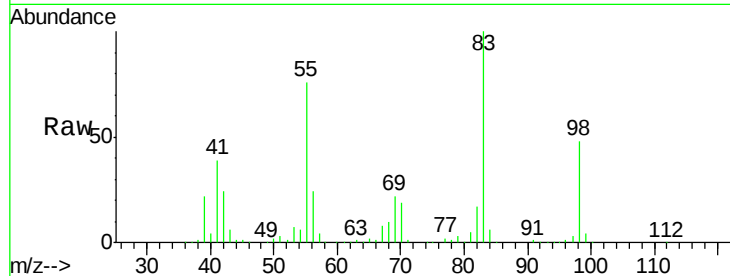
#39
Methvlcvclohexane
Concen: 162.93 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	223930		
55	75.9		65.4	98.0
98	47.9		37.4	56.0

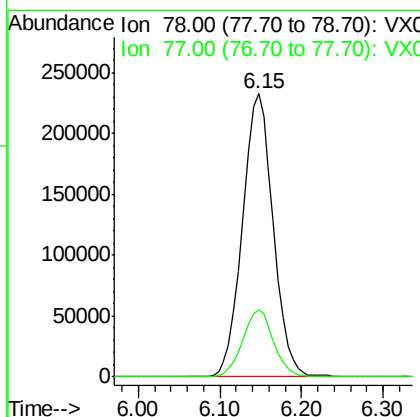
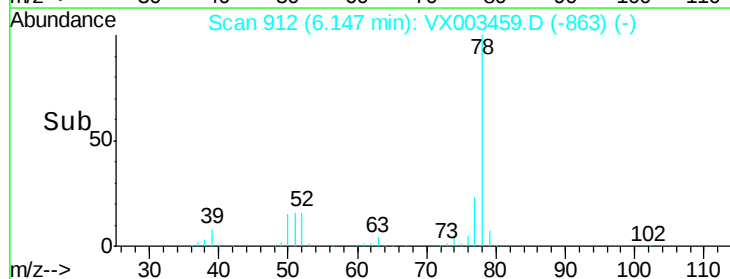
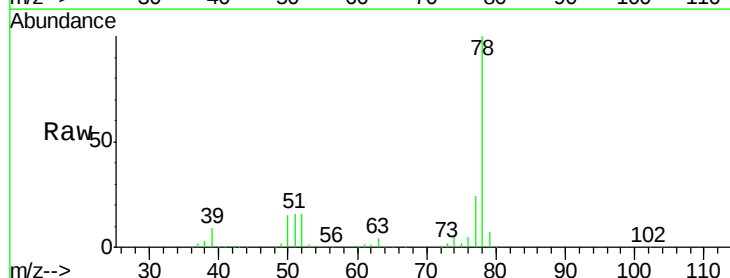
Manual Integrations
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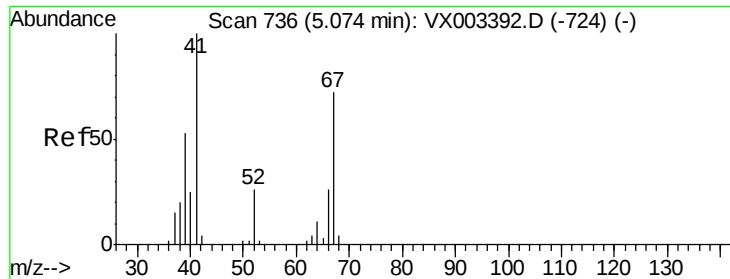
MMDadoda
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#40
Benzene
Concen: 166.60 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	608589		
77	23.5		19.1	28.7





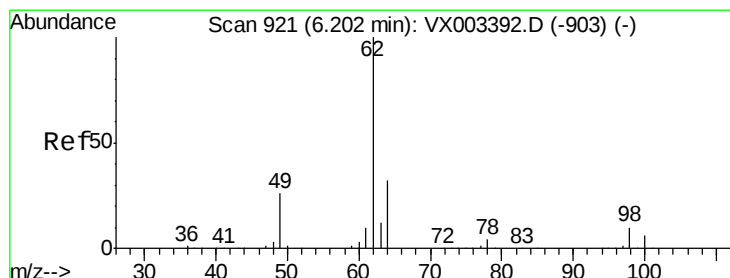
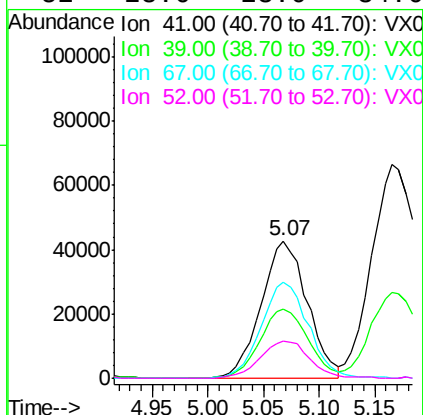
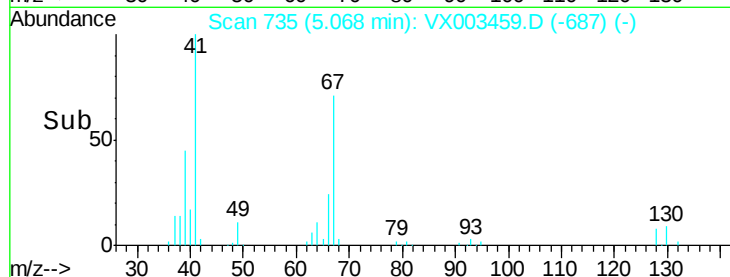
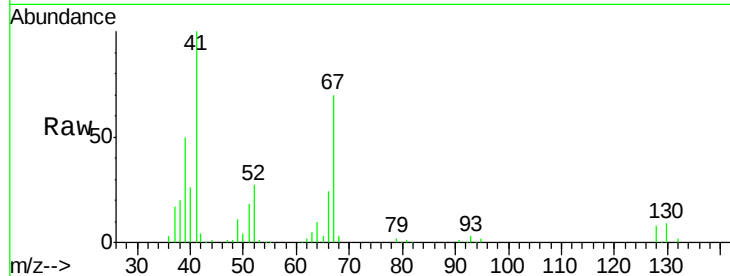
#41
Methacrylonitrile
Concen: 166.15 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	52.1	45.8	68.6		
67	71.9	51.3	76.9		
52	28.6	23.0	34.6		

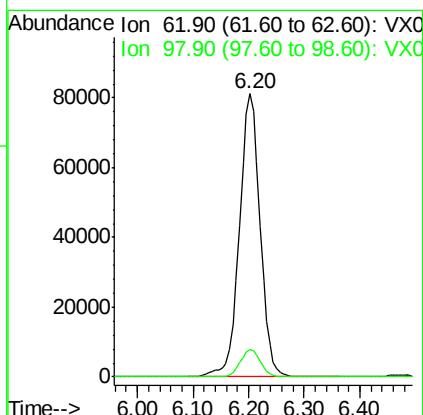
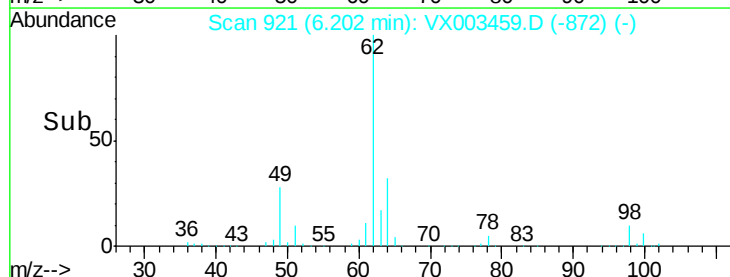
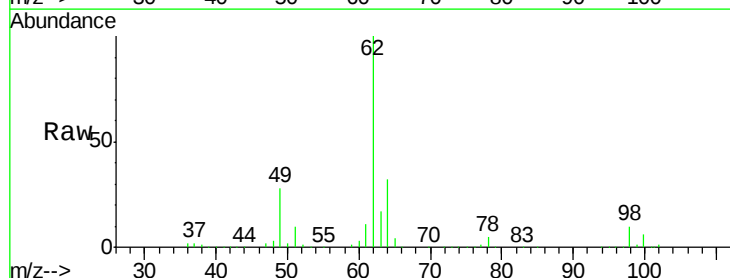
Manual Integrations
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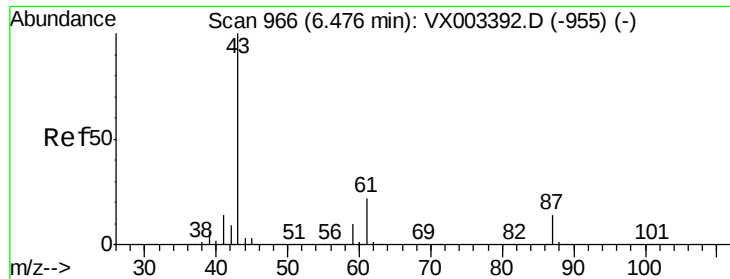
MMDadoda
7/19/2018 1:04:16 PM



#42
1,2-Dichloroethane
Concen: 166.59 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.4	0.0	16.6		





#43

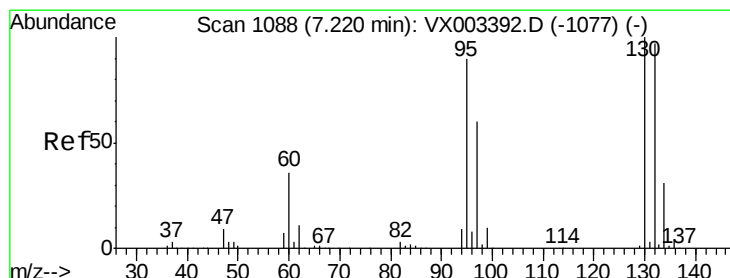
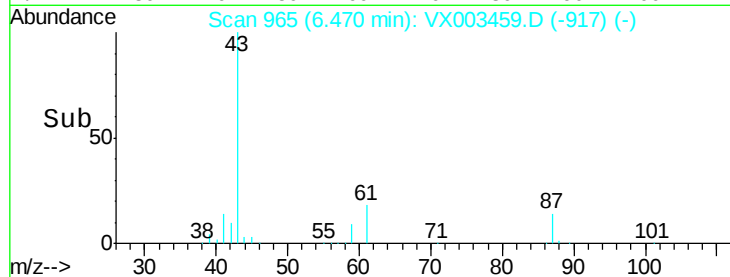
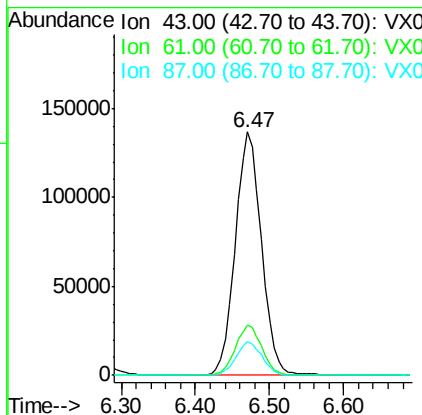
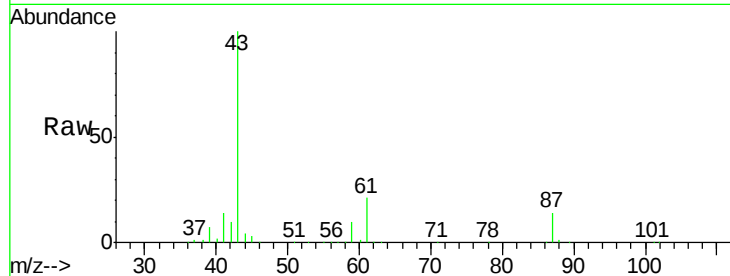
Isopropyl Acetate
 Concen: 164.66 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	14.4	21.6
87	13.9	9.5	14.3

Manual Integrations
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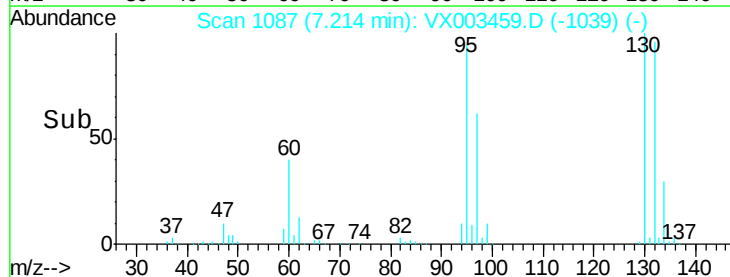
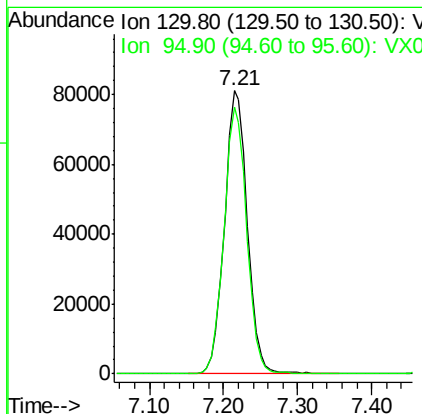
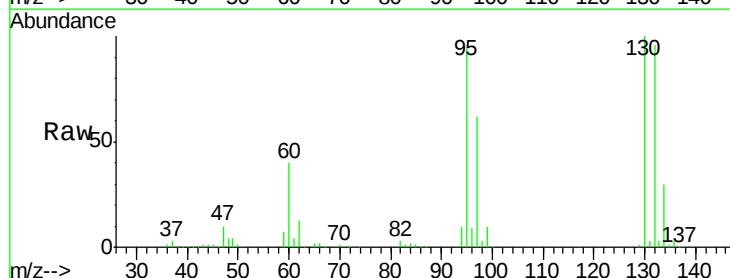
MMDadoda
 7/19/2018 1:04:16 PM

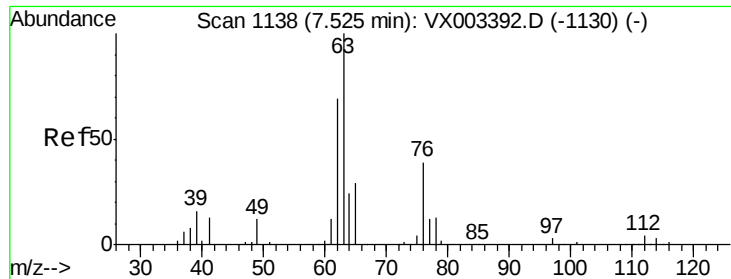


#44

Trichloroethene
 Concen: 163.88 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	185.4





#45

1,2-Dichloropropane

Concen: 169.53 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 161100

Ion Ratio Lower Upper

63 100

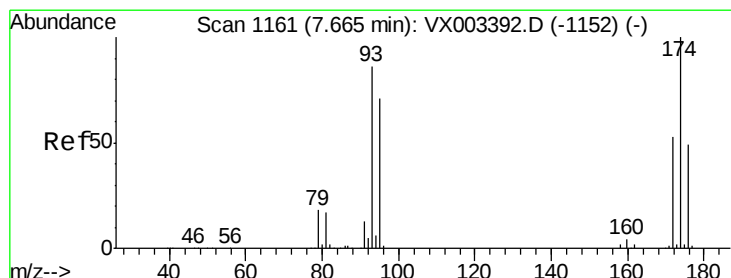
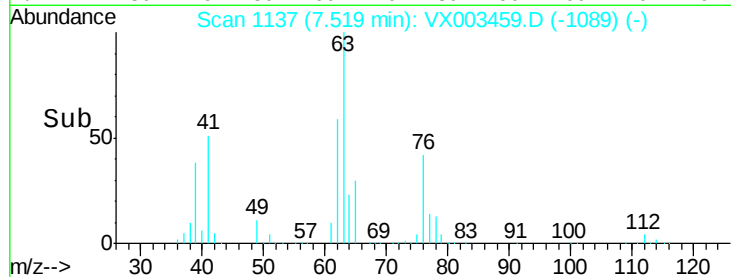
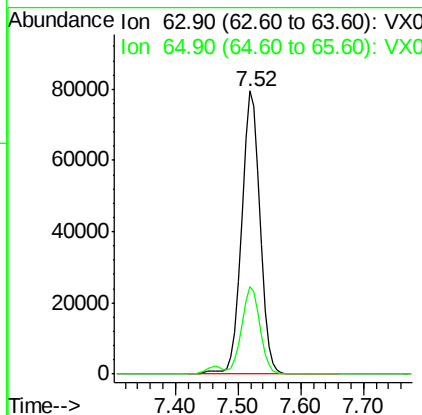
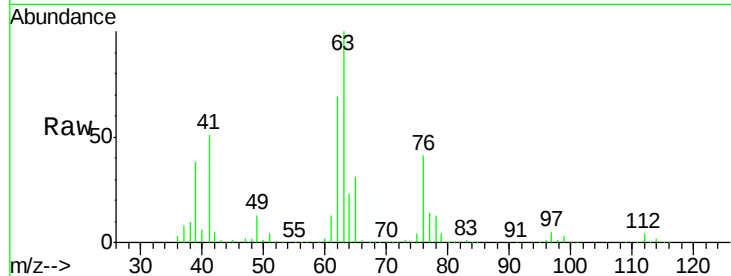
65 31.1 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 166.52 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

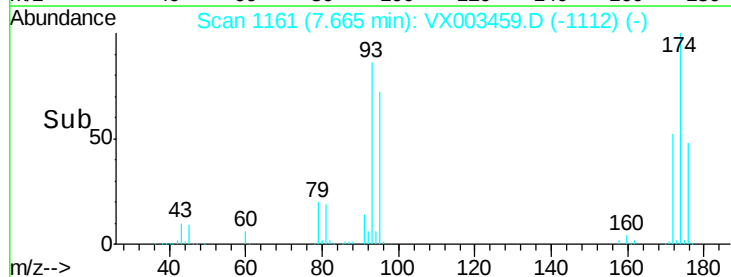
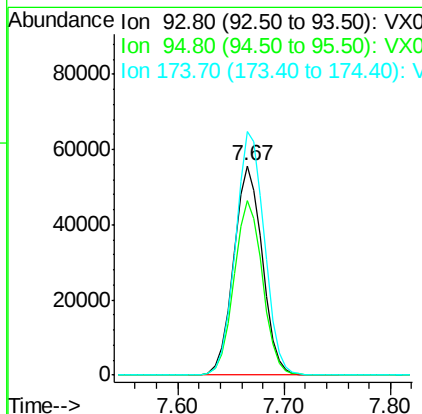
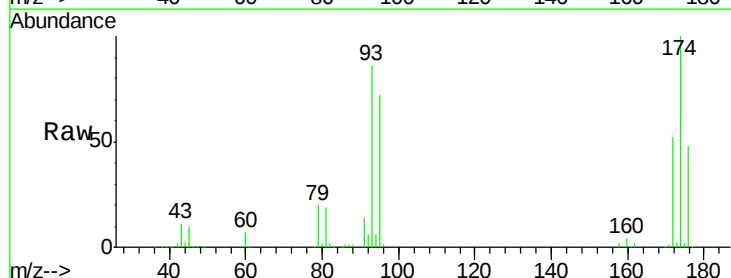
Tgt Ion: 93 Resp: 105368

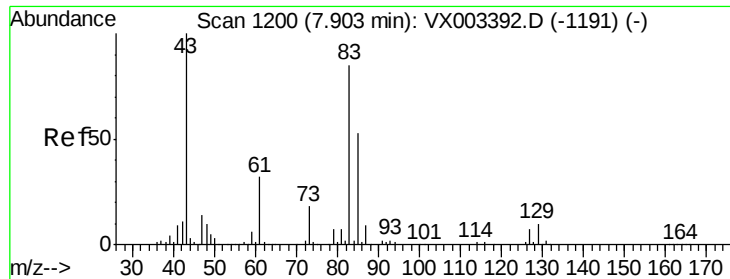
Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

174 117.4 92.4 138.6





#47

Bromodichloromethane

Concen: 173.83 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

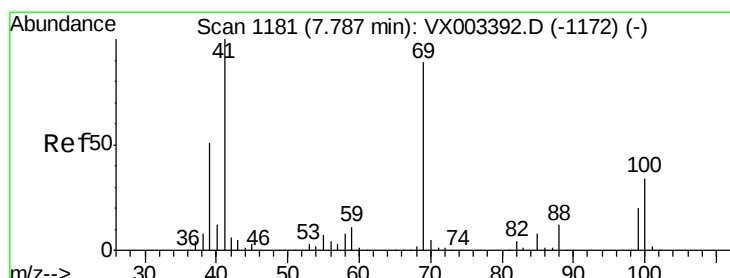
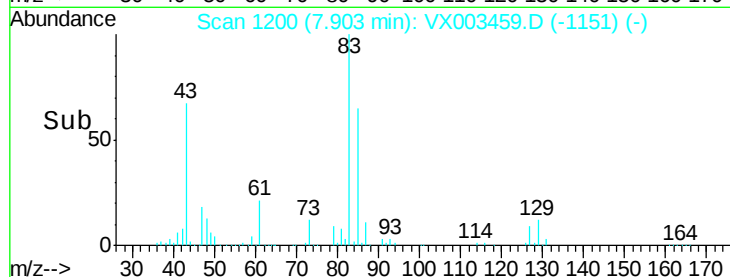
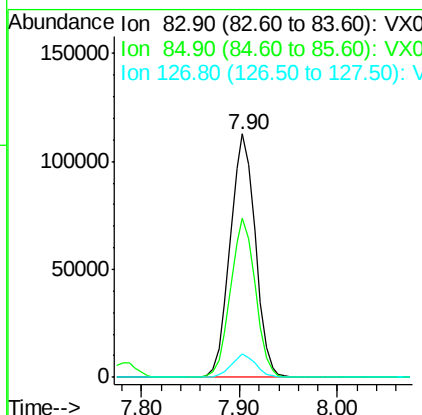
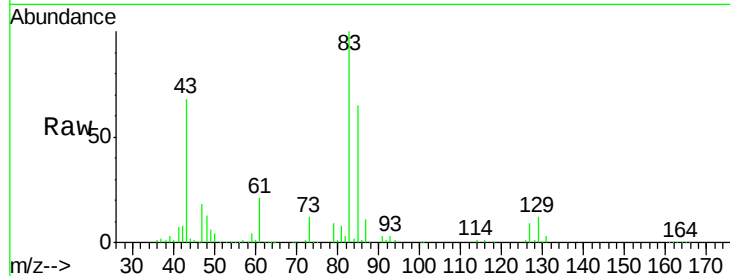
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	201423
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.3	75.5
127	9.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 173.13 ug/l

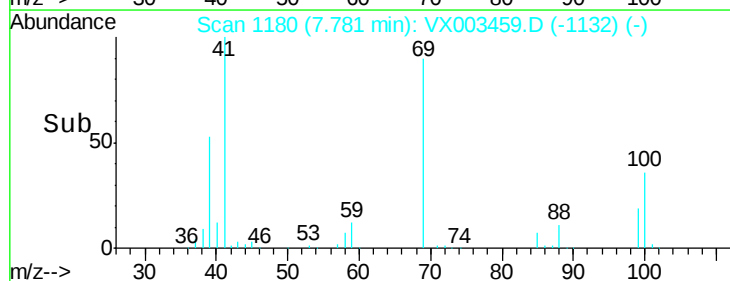
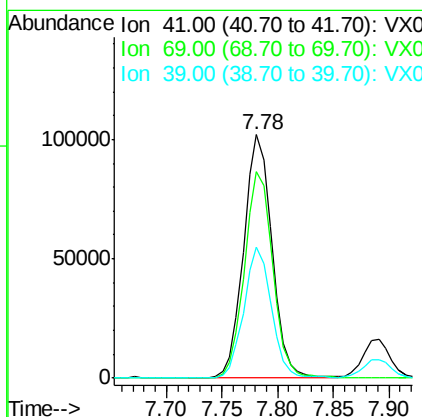
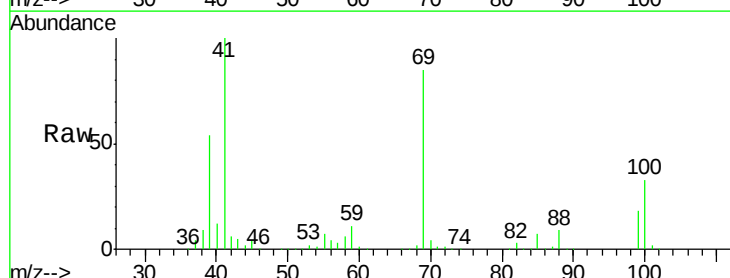
RT: 7.78 min Scan# 1180

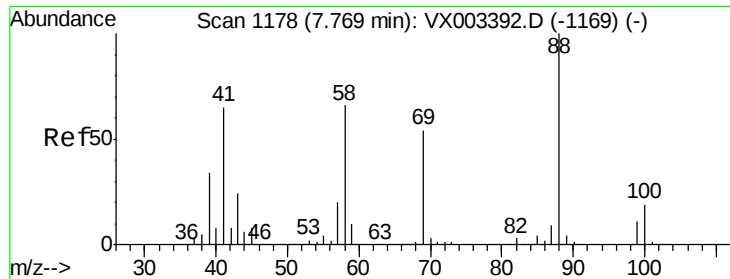
Delta R.T. -0.01 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Tgt Ion:	41	Resp:	180362
Ion Ratio	Lower	Upper	
41	100		
69	85.8	59.1	88.7
39	52.4	48.9	73.3





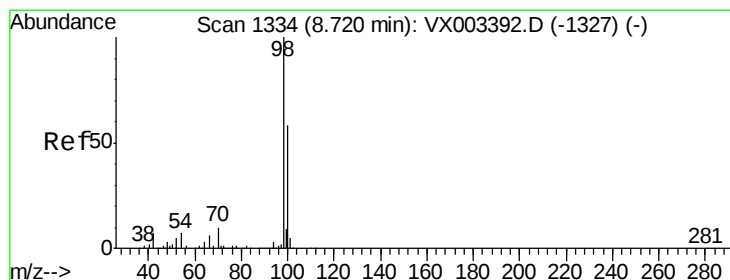
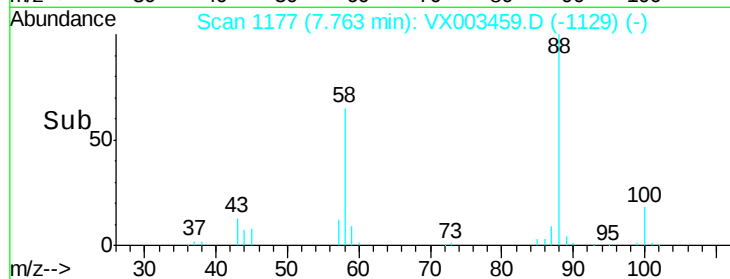
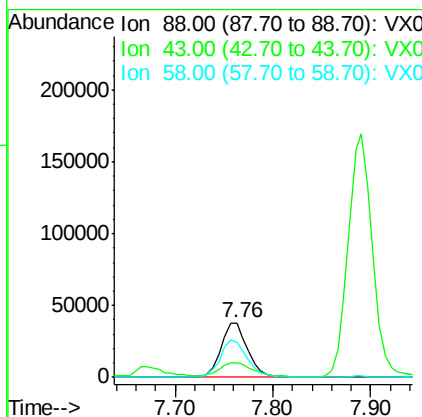
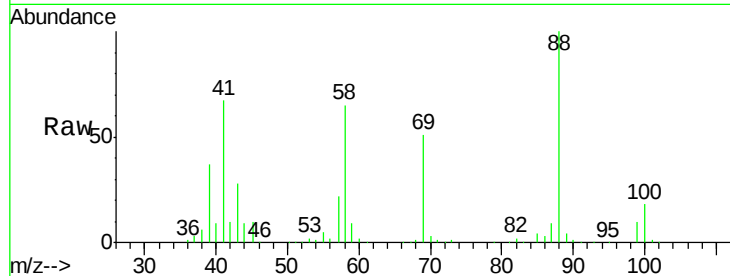
#49
1,4-Dioxane
Concen: 2972.95 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	29.8	44.6
58	69.7	57.1	85.7

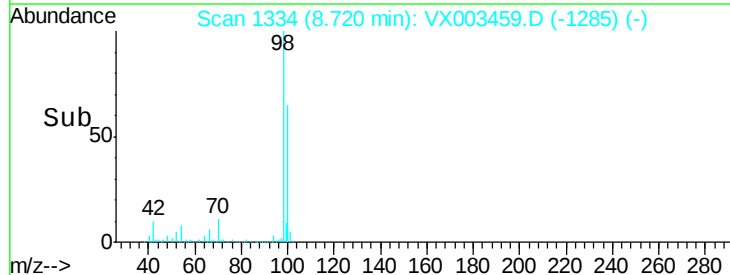
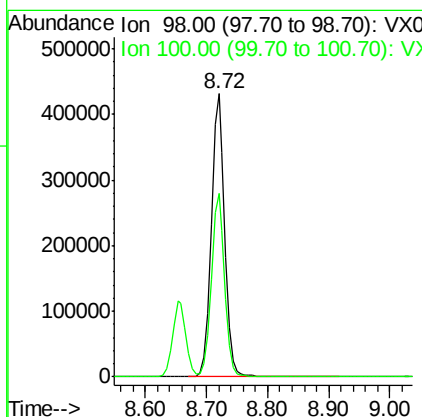
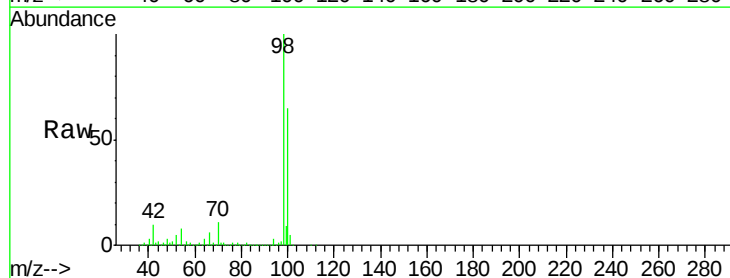
Manual Integrations
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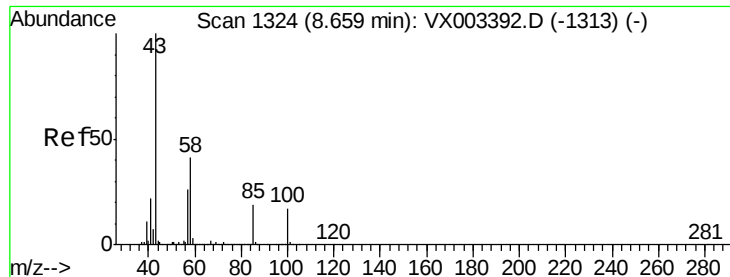
MMDadoda
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#50
Toluene-d8
Concen: 189.51 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 849.50 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1141898

Ion Ratio Lower Upper

43 100

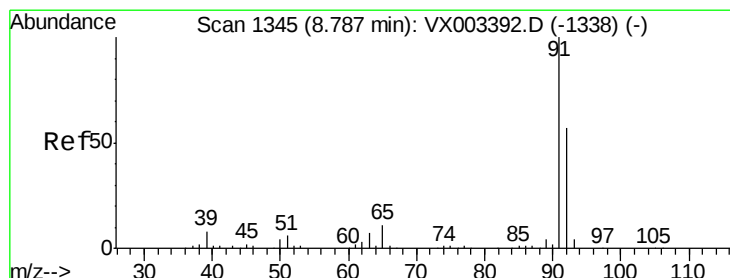
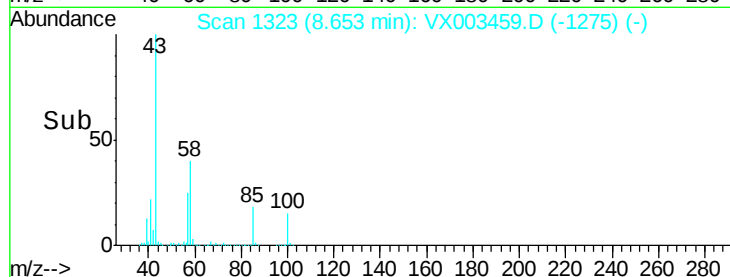
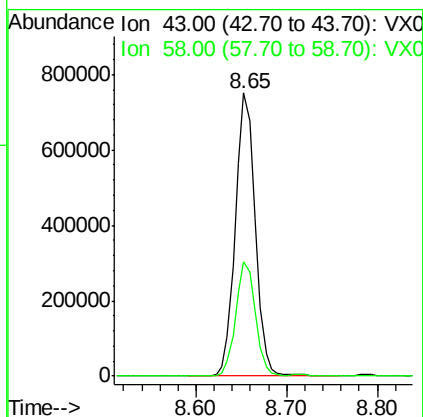
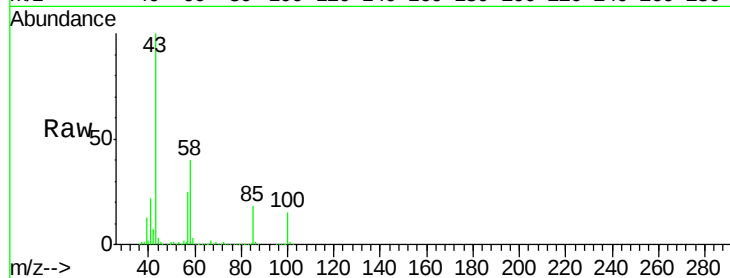
58 39.9 28.6 42.8

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#52

Toluene

Concen: 170.05 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003459.D

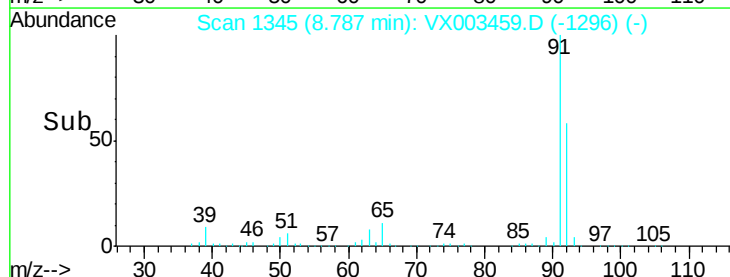
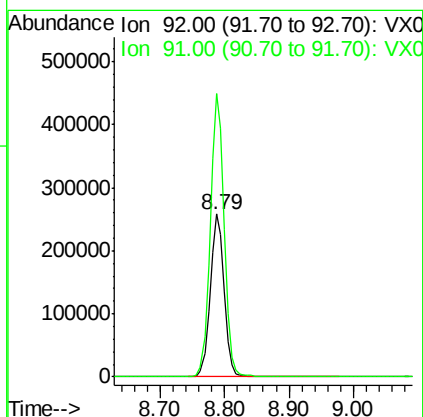
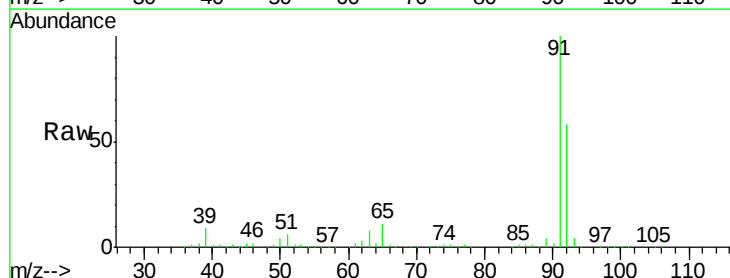
Acq: 18 Jul 2018 20:28

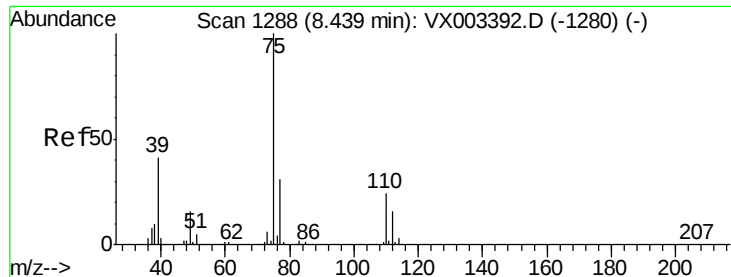
Tgt Ion: 92 Resp: 388953

Ion Ratio Lower Upper

92 100

91 174.1 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 170.31 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 233003

Ion Ratio Lower Upper

75 100

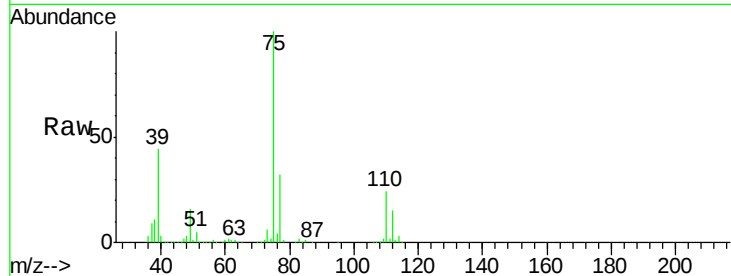
77 31.7 25.4 38.2

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

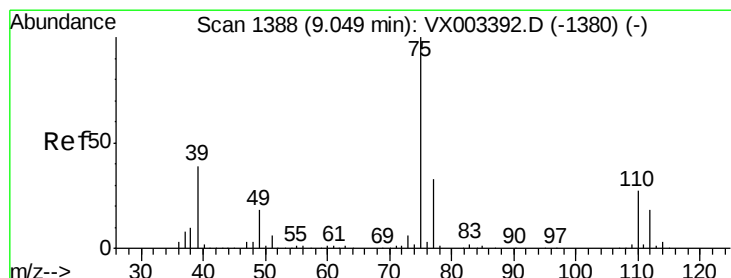
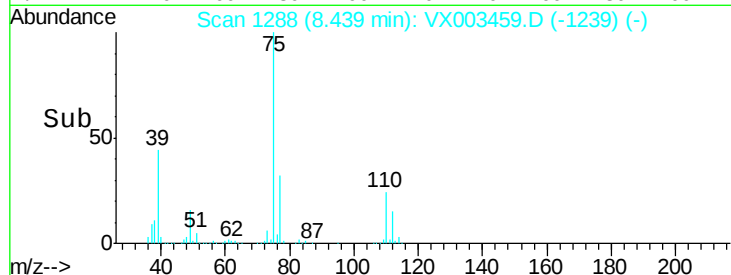
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 169.56 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

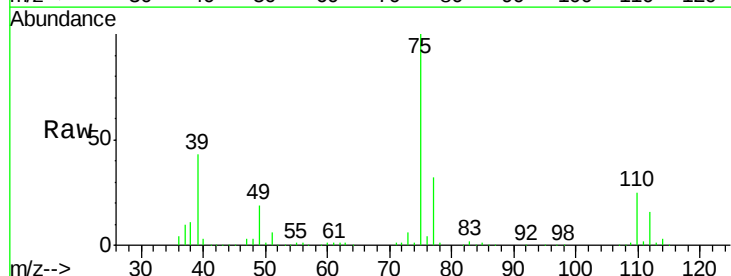
Tgt Ion: 75 Resp: 211713

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

39 43.3 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

200000

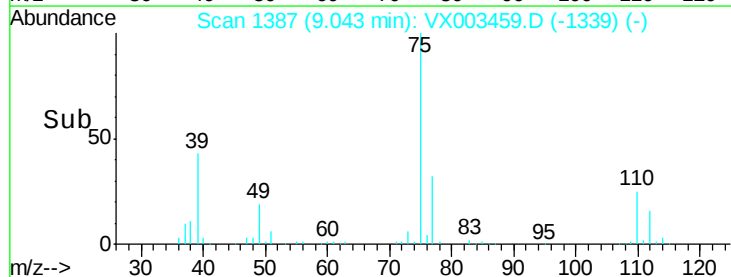
150000

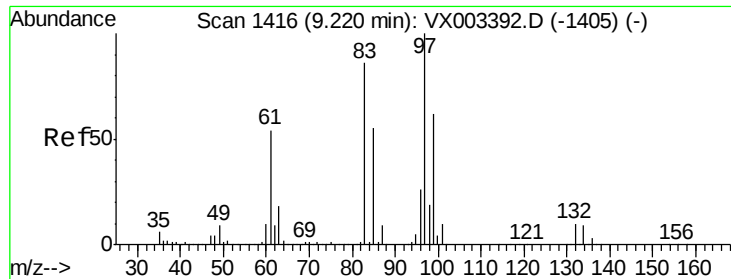
100000

50000

0

Time-->





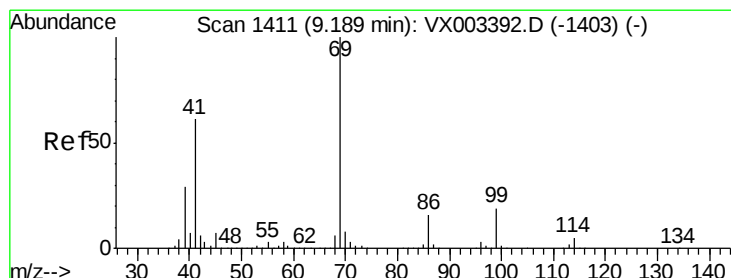
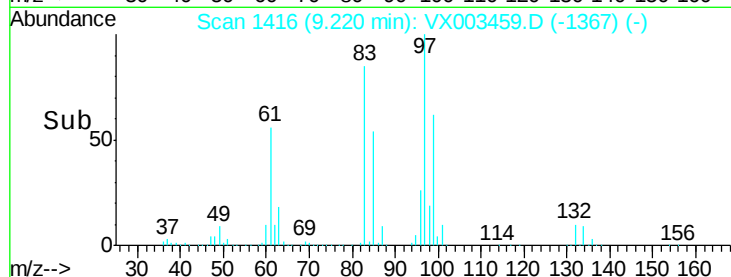
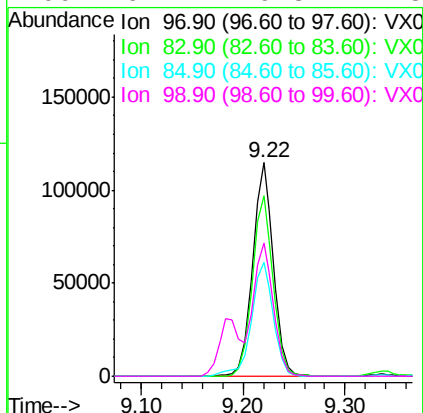
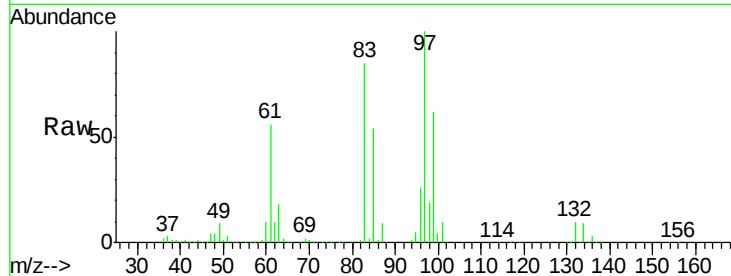
#55
 1,1,2-Trichloroethane
 Concen: 170.90 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	163312
Ion Ratio	Lower	Upper	
97	100		
83	84.7	70.2	105.2
85	53.5	44.9	67.3
99	62.1	49.8	74.8

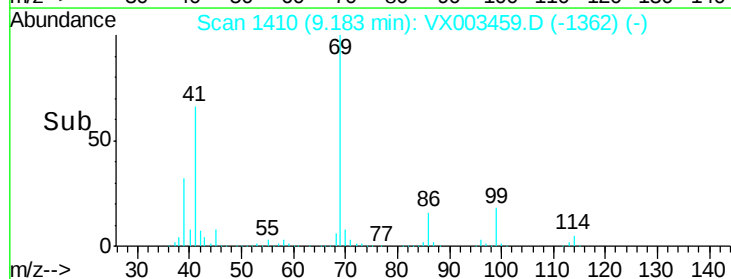
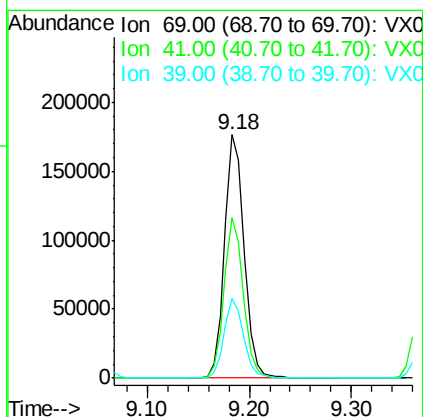
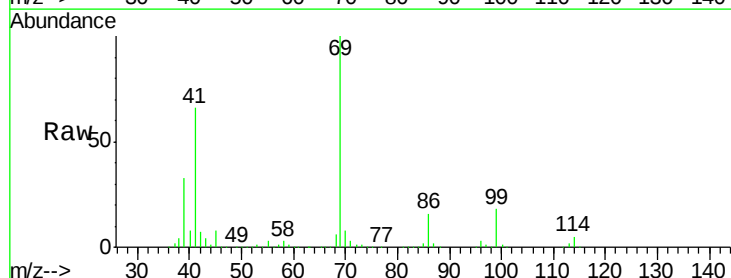
Manual Integrations
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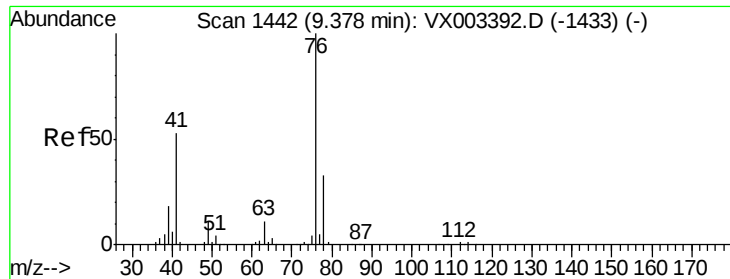
MMDadoda
 7/19/2018 1:04:16 PM



#56
 Ethyl methacrylate
 Concen: 174.58 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Tgt Ion:	69	Resp:	236209
Ion Ratio	Lower	Upper	
69	100		
41	64.8	60.3	90.5
39	32.6	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 172.17 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 264363

Ion Ratio Lower Upper

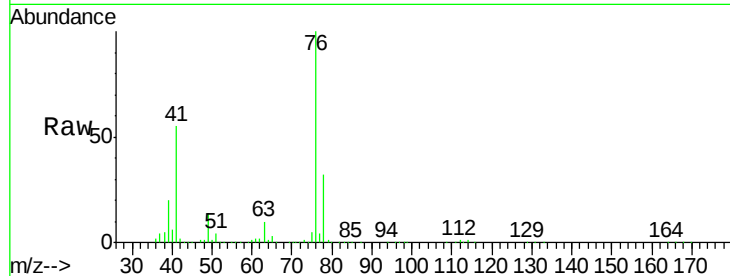
76 100

78 32.1 25.8 38.6

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

200000

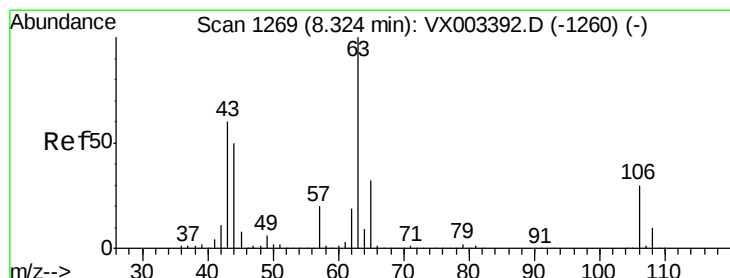
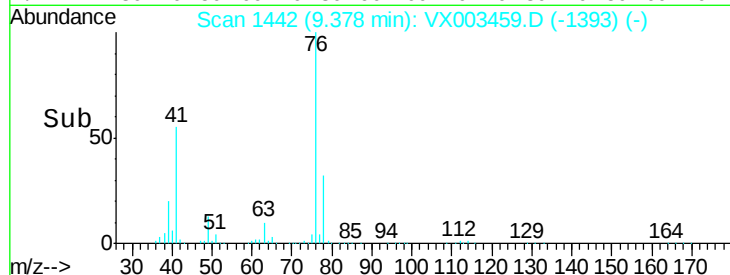
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 868.64 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX003459.D

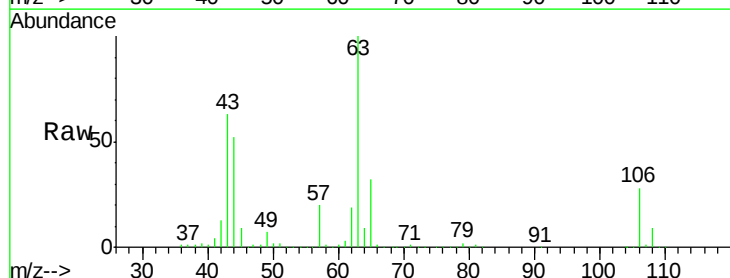
Acq: 18 Jul 2018 20:28

Tgt Ion: 63 Resp: 589354

Ion Ratio Lower Upper

63 100

106 28.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

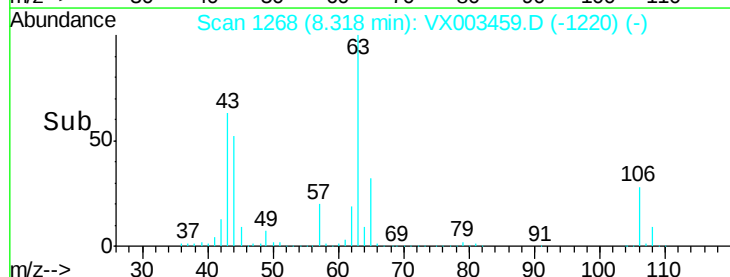
300000

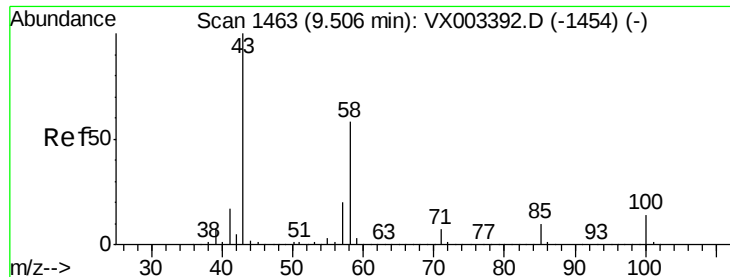
200000

100000

0

Time-->





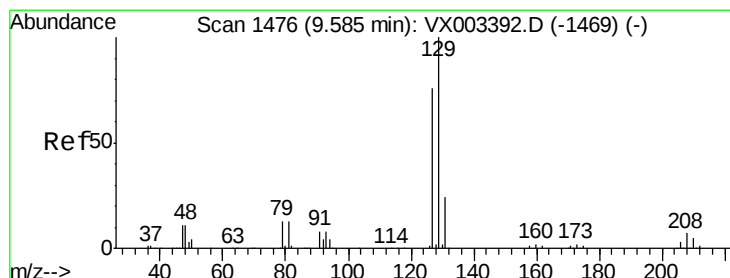
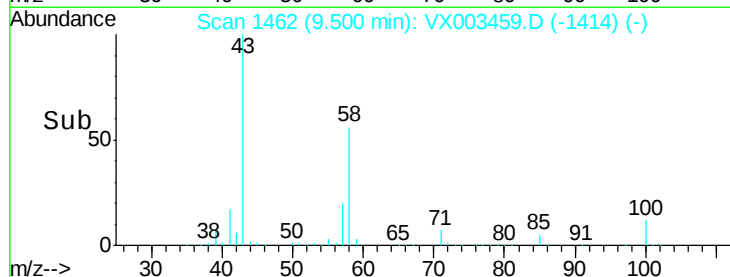
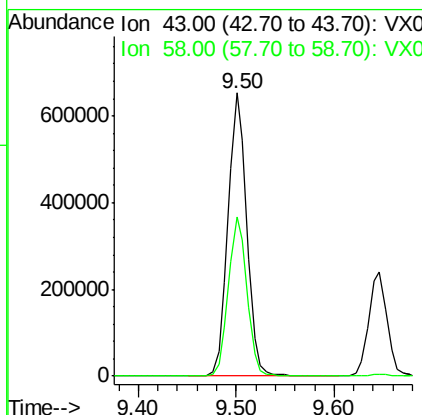
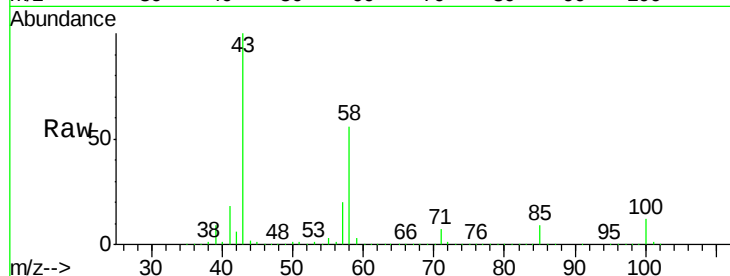
#59
2-Hexanone
Concen: 840.84 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 868399
Ion Ratio Lower Upper
43 100
58 56.2 24.6 73.6

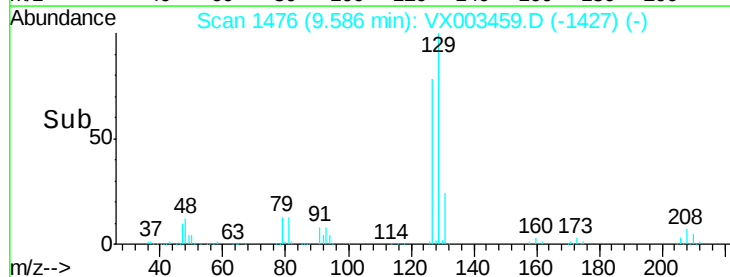
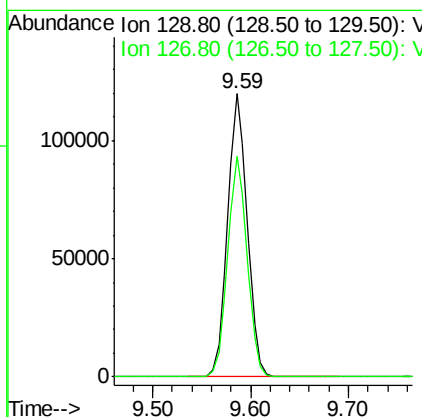
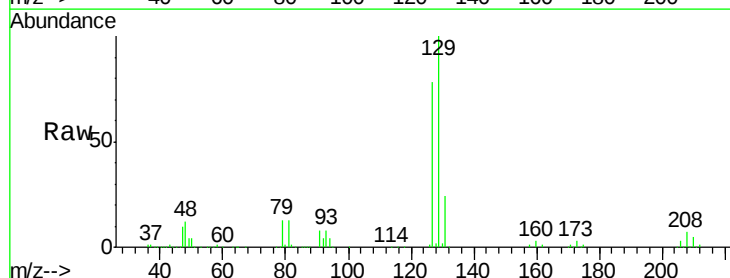
Manual Integrations
APPROVED

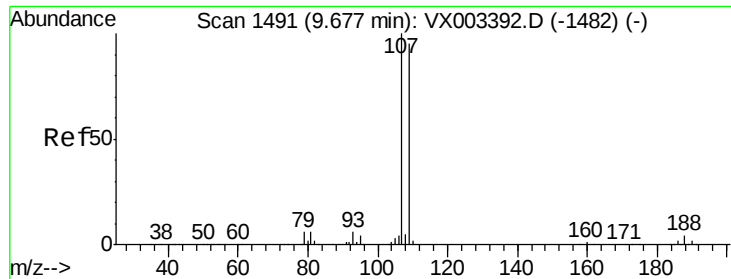
MMDadoda
7/19/2018 1:04:16 PM



#60
Dibromochloromethane
Concen: 175.61 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion: 129 Resp: 166745
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 172.41 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 169829

Ion Ratio Lower Upper

107 100

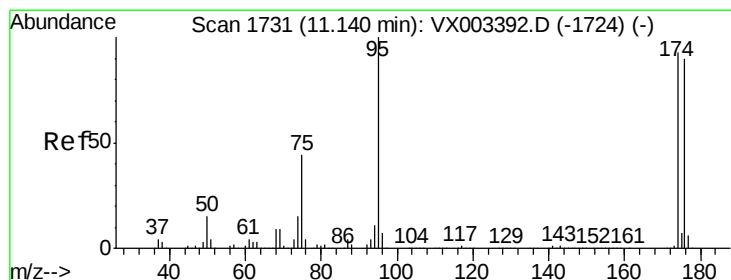
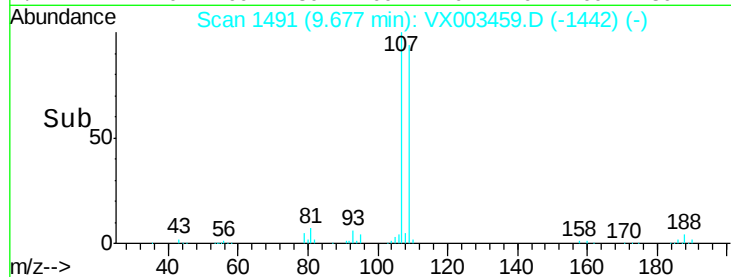
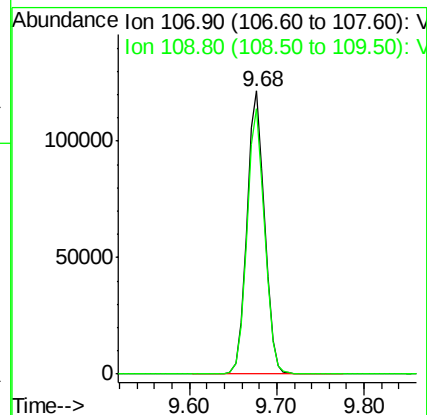
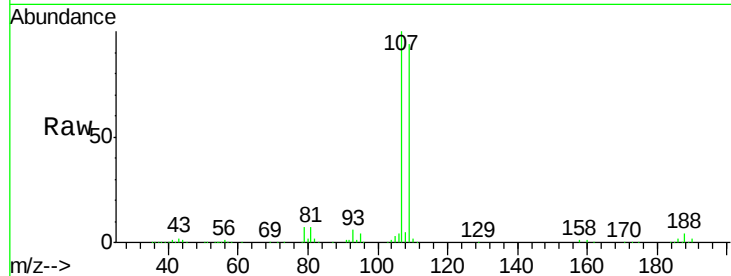
109 94.3 75.3 112.9

Manual Integrations

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MMDadoda

7/19/2018 1:04:16 PM



#62

4-Bromofluorobenzene

Concen: 192.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

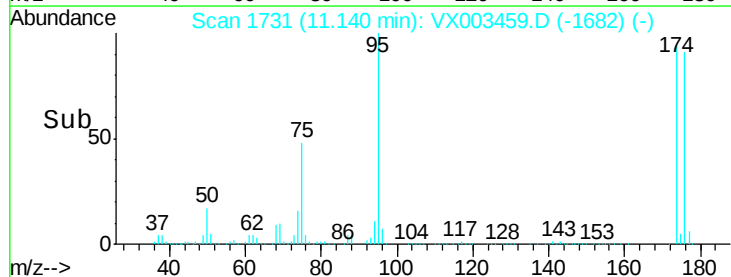
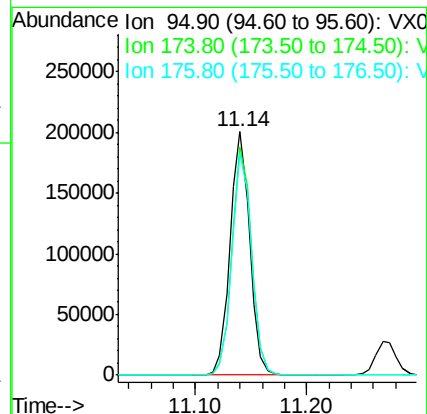
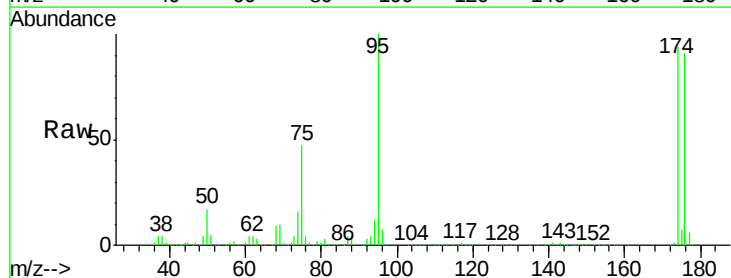
Tgt Ion: 95 Resp: 243682

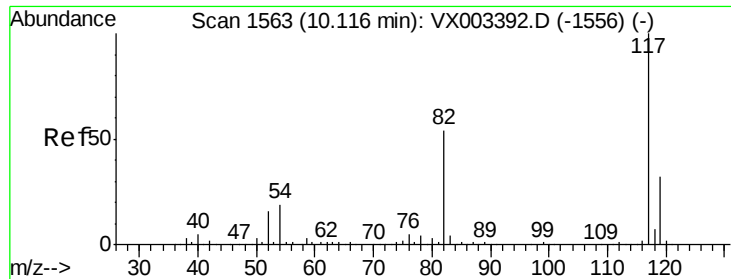
Ion Ratio Lower Upper

95 100

174 94.0 0.0 187.4

176 91.5 0.0 181.0





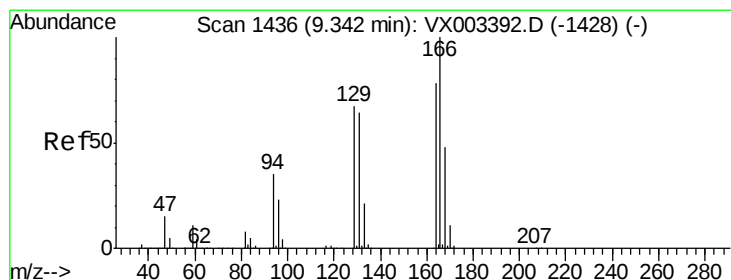
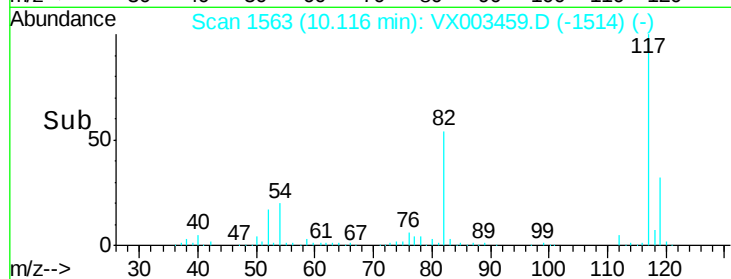
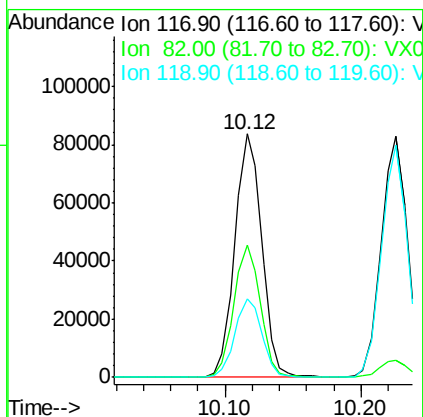
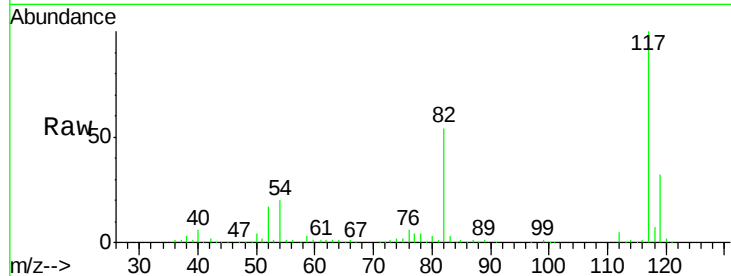
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.0	67.4
119	32.3	25.8	38.6

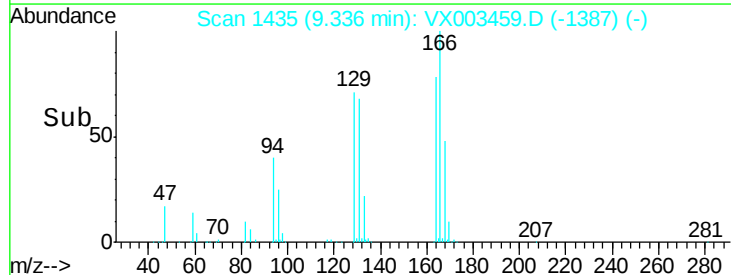
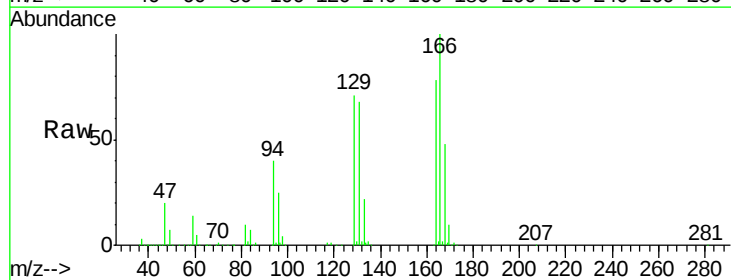
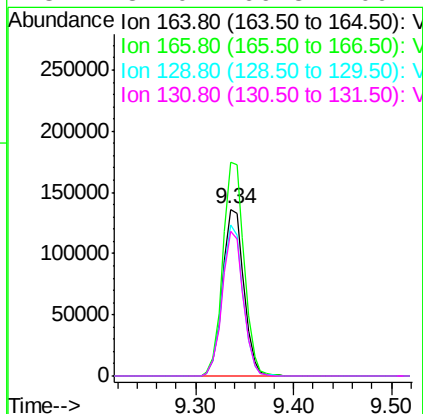
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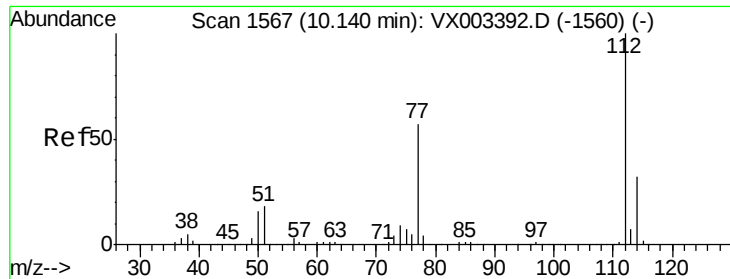
MMDadoda
7/19/2018 1:04:16 PM



#64
Tetrachloroethene
Concen: 169.10 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.9	154.3
129	91.0	68.6	102.8
131	87.0	66.8	100.2





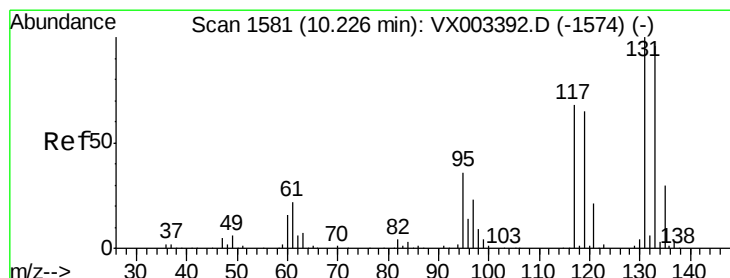
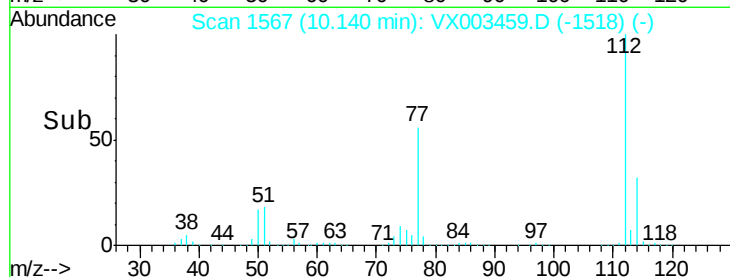
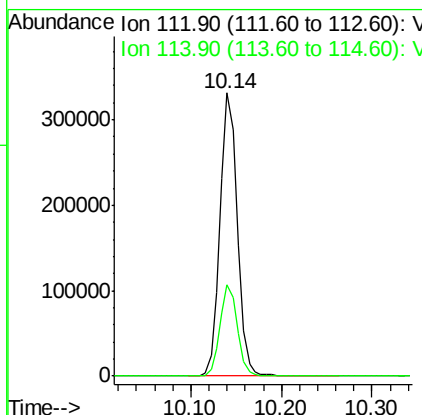
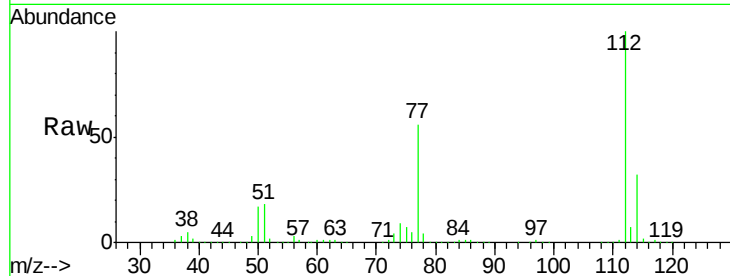
#65
Chlorobenzene
Concen: 162.54 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 444777
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

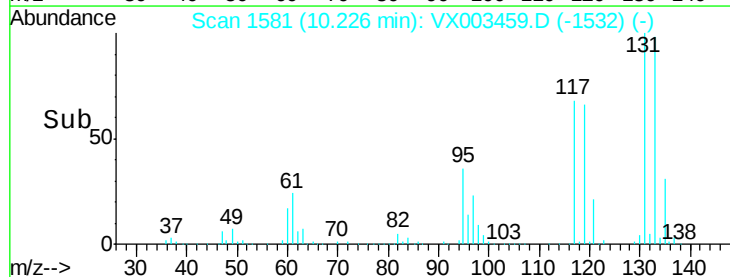
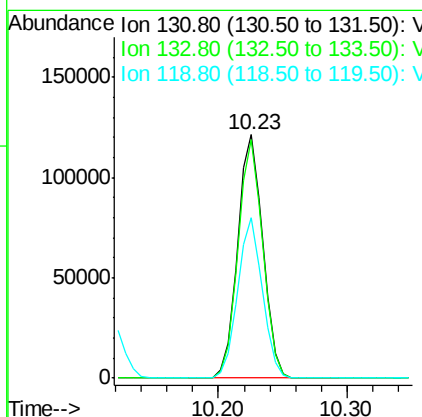
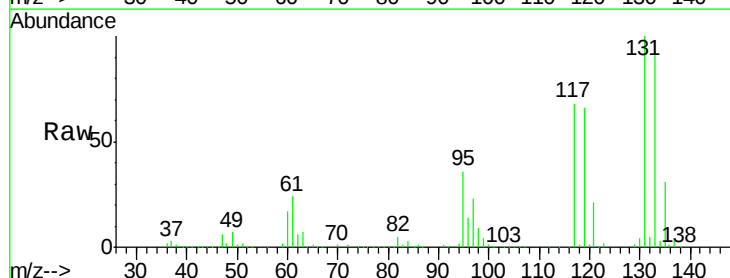
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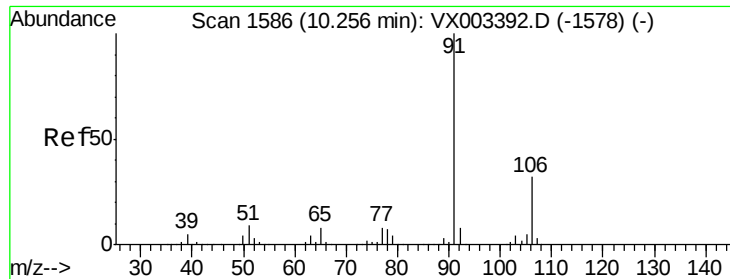
MMDadoda
7/19/2018 1:04:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 168.35 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion:131 Resp: 163759
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.6
119 64.8 31.8 95.3





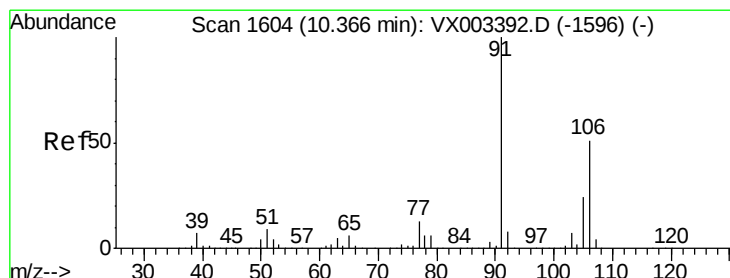
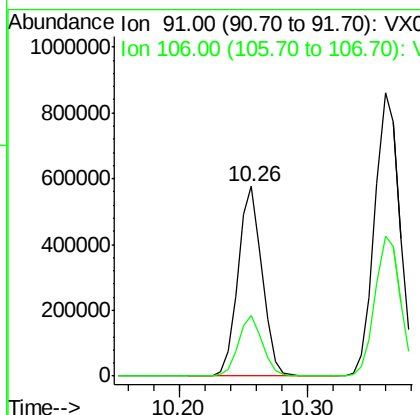
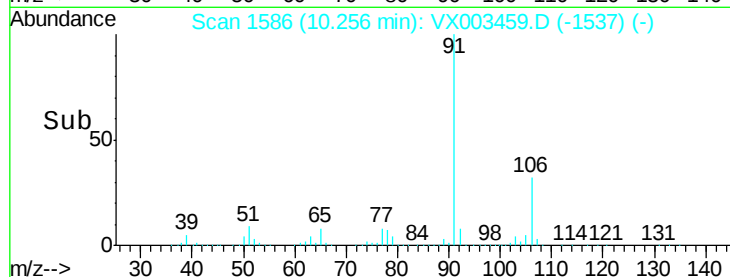
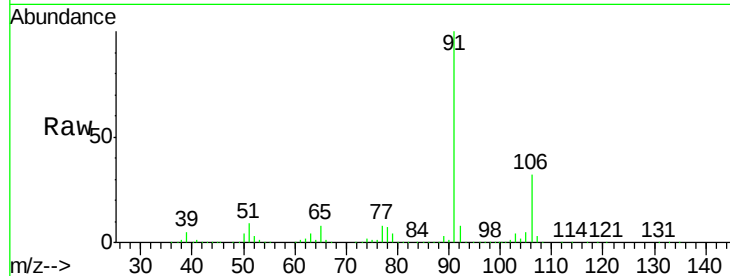
#67
Ethyl Benzene
Concen: 166.89 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 746419
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

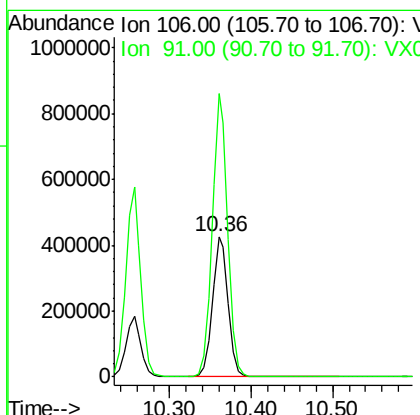
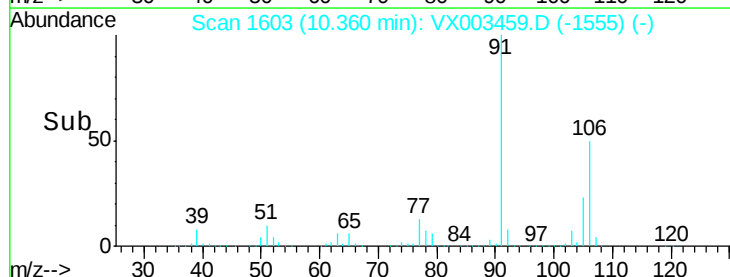
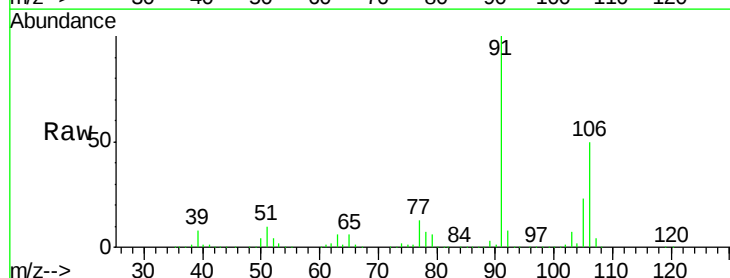
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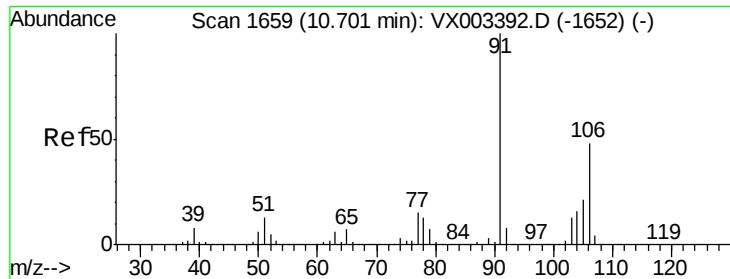
MMDadoda
7/19/2018 1:04:16 PM



#68
m/p-Xylenes
Concen: 333.11 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion: 106 Resp: 576290
Ion Ratio Lower Upper
106 100
91 199.7 163.4 245.2





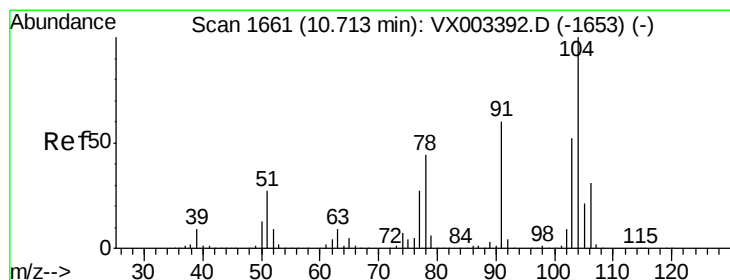
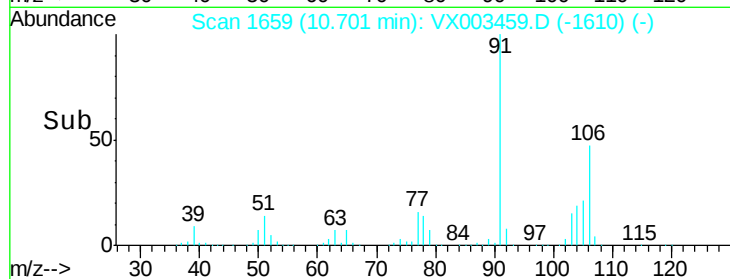
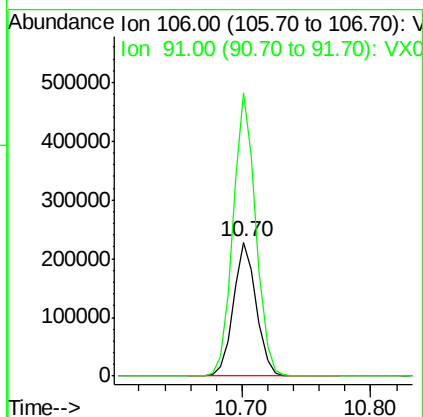
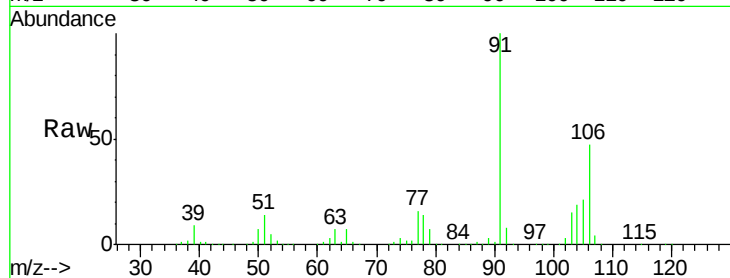
#69
o-Xylene
Concen: 169.59 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	108.2	324.6

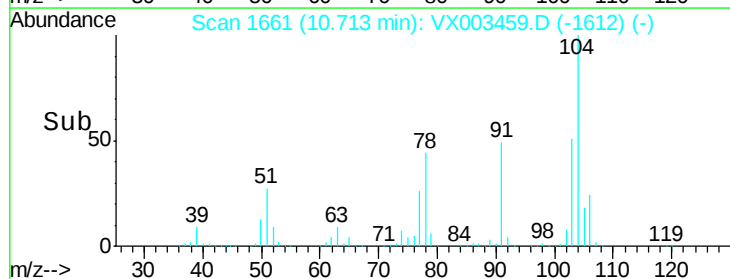
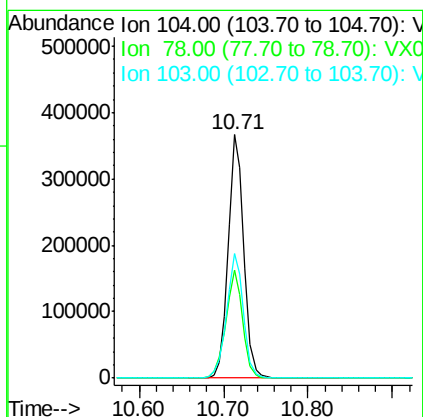
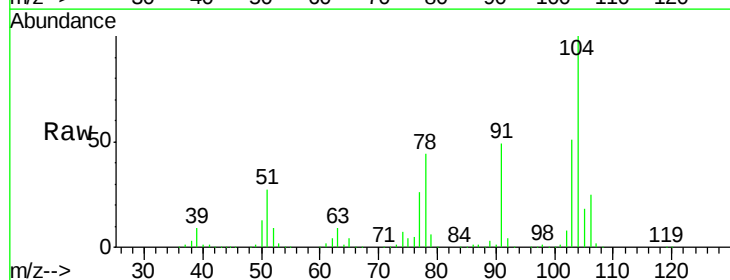
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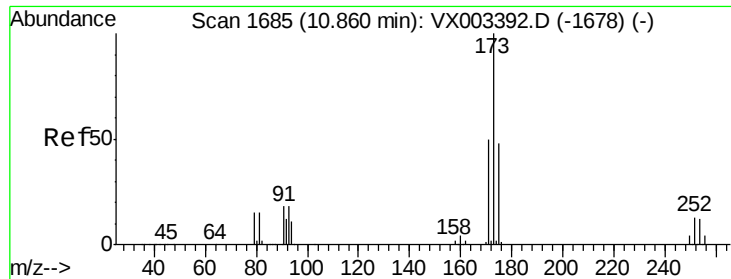
MMDadoda
7/19/2018 1:04:16 PM



#70
Styrene
Concen: 170.65 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	41.0	61.6
103	55.3	44.2	66.4





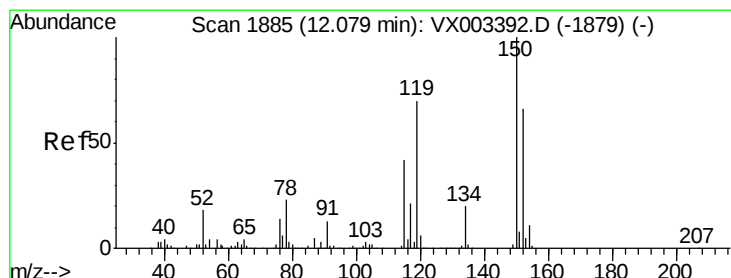
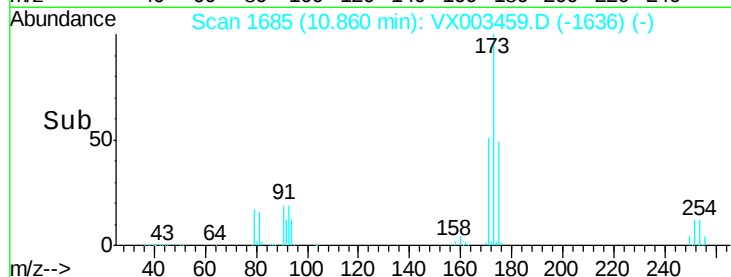
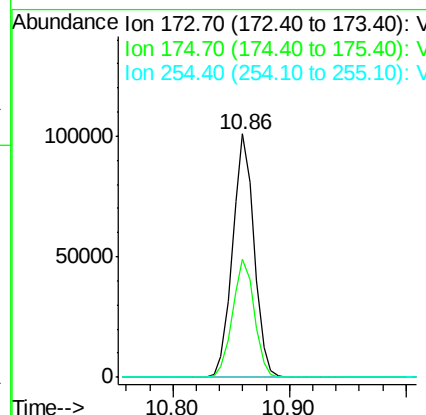
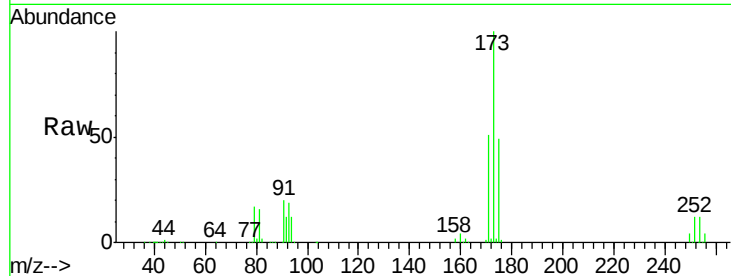
#71
Bromoform
Concen: 165.27 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.2	0.2	0.2

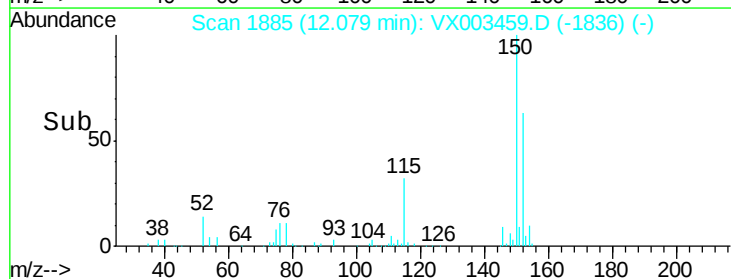
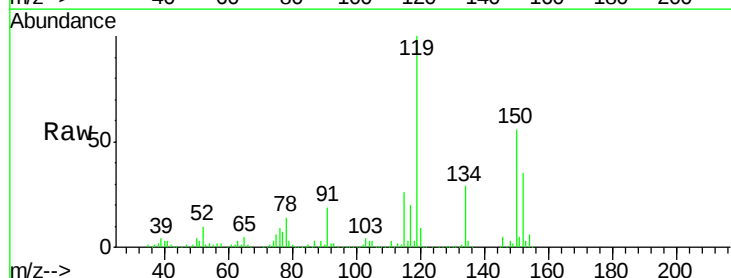
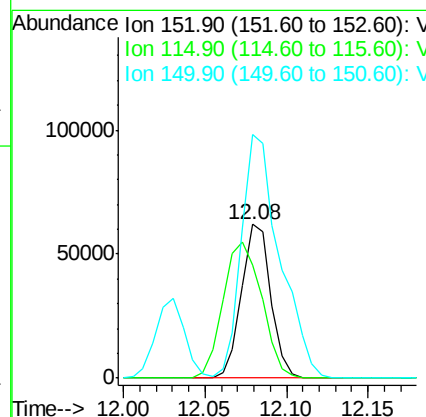
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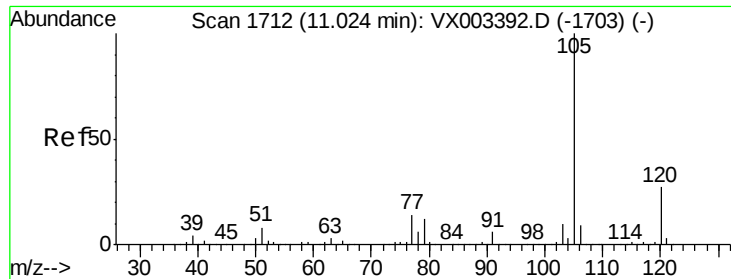
MMDadoda
7/19/2018 1:04:16 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	117.2	40.1	120.2
150	207.3	0.0	347.2





#73

Isopropylbenzene

Concen: 151.33 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 752258

Ion Ratio Lower Upper

105 100

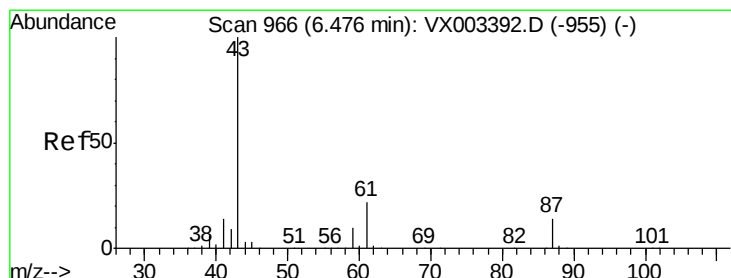
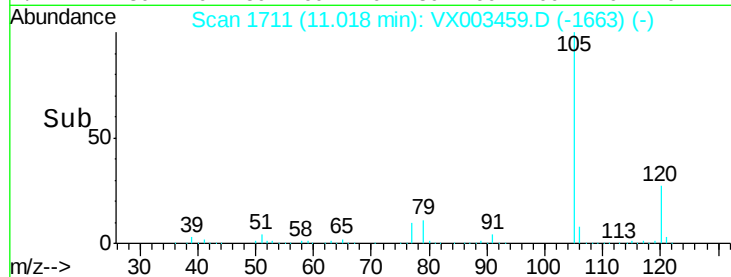
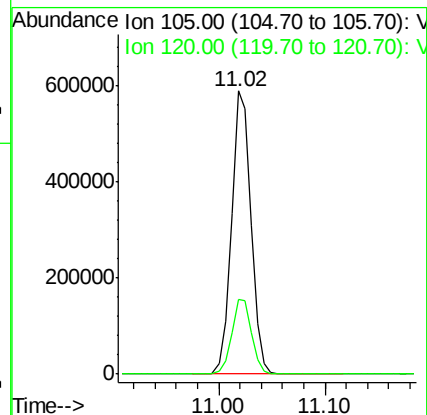
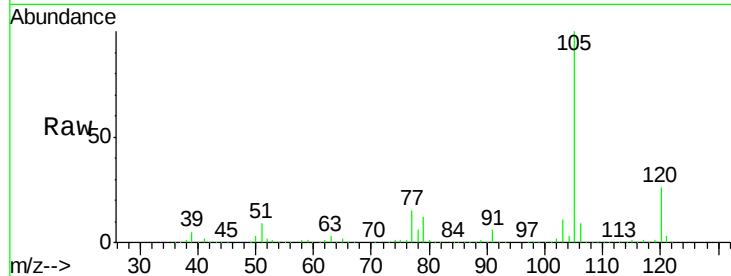
120 27.0 13.5 40.4

Manual Integrations

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MMDadoda

7/19/2018 1:04:16 PM



#74

N-ethyl acetate

Concen: 140.65 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Tgt Ion: 43 Resp: 336242

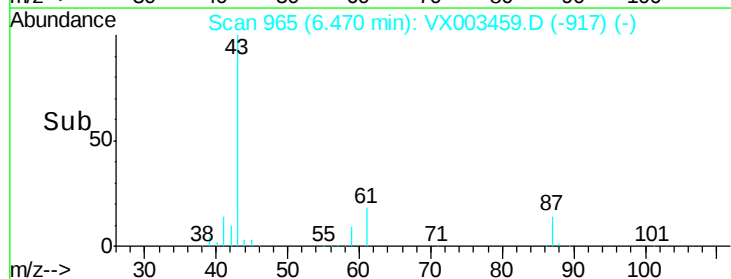
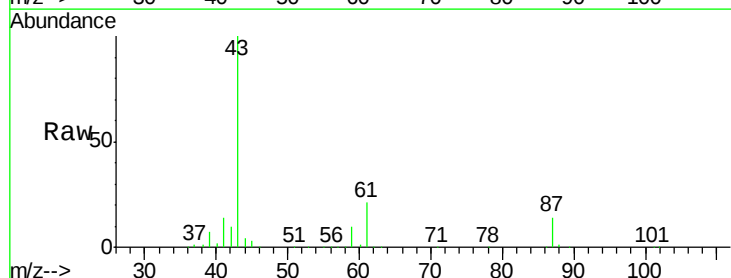
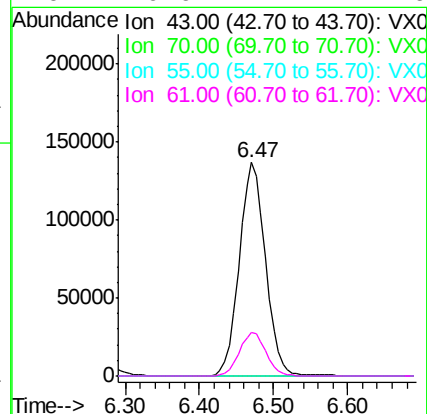
Ion Ratio Lower Upper

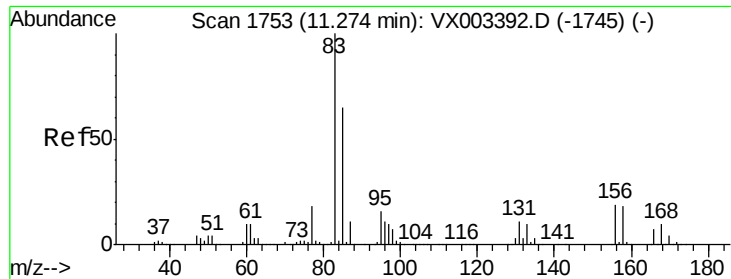
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 144.10 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

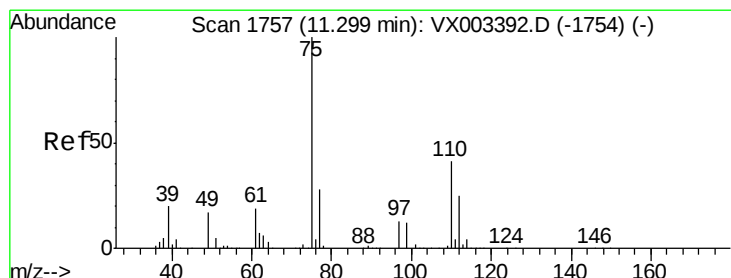
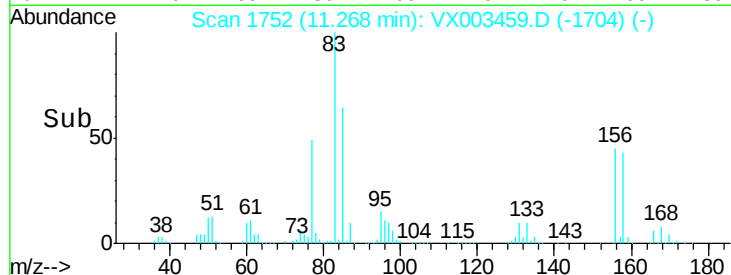
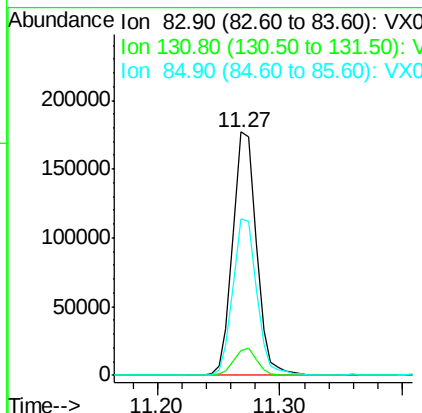
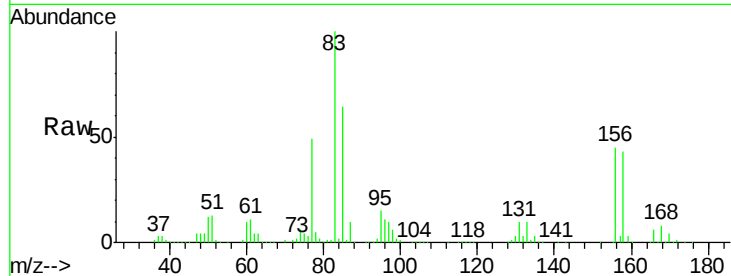
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	236453
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	64.8	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 172.34 ug/l m

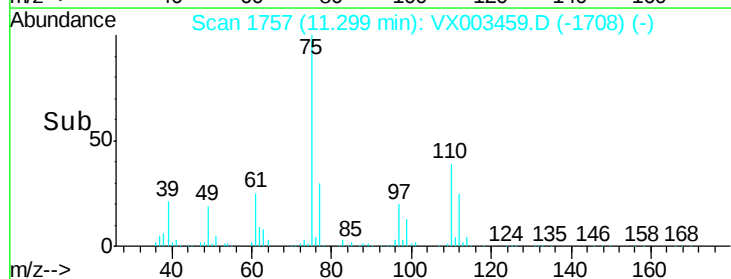
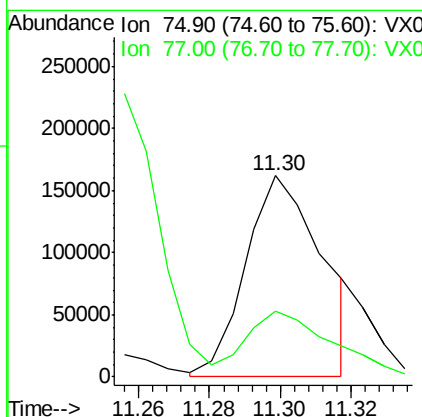
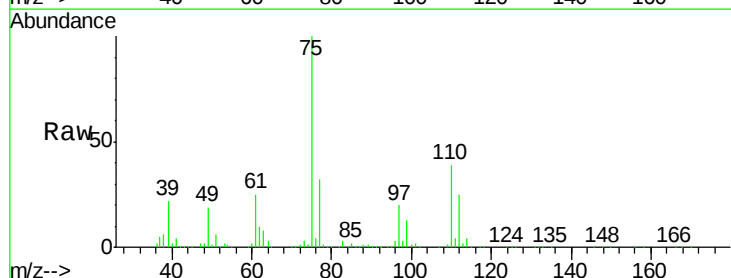
RT: 11.30 min Scan# 1757

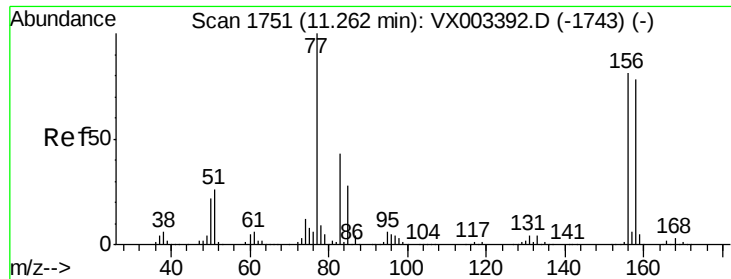
Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Tgt Ion:	75	Resp:	242219
Ion Ratio	Lower	Upper	
75	100		
77	36.7	22.8	68.3





#77

Bromobenzene

Concen: 148.08 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

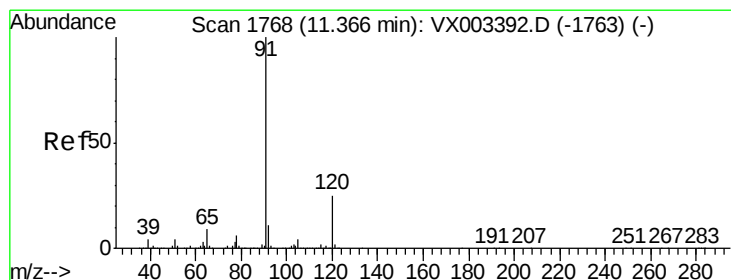
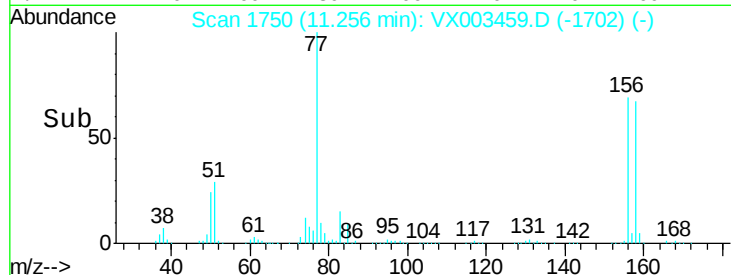
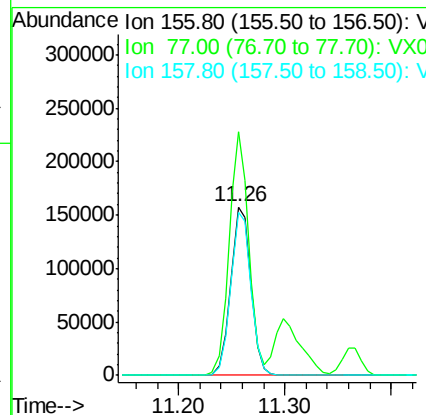
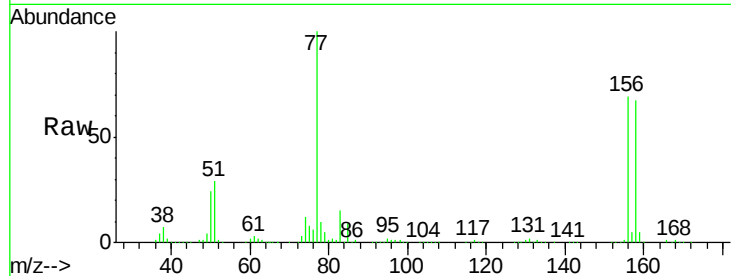
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	209072
Ion Ratio	Lower	Upper	
156	100		
77	139.5	71.4	214.2
158	97.1	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 153.11 ug/l

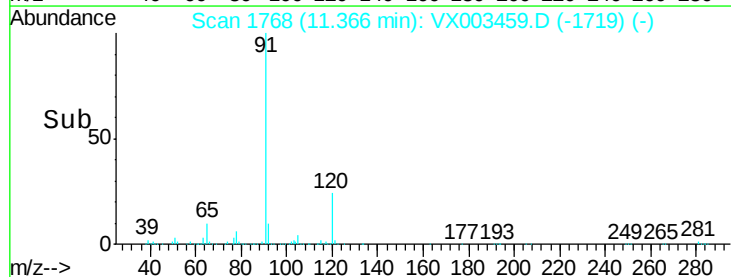
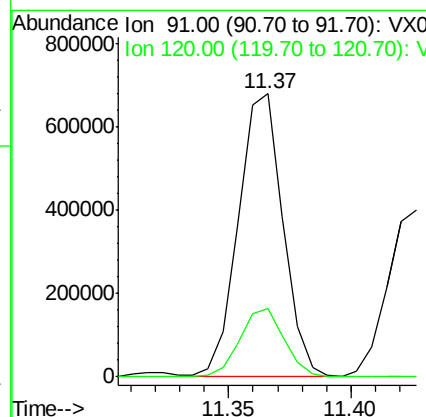
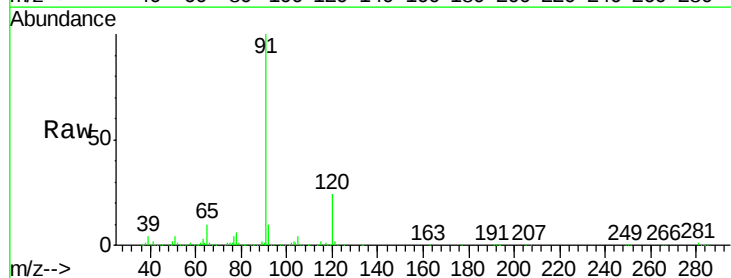
RT: 11.37 min Scan# 1768

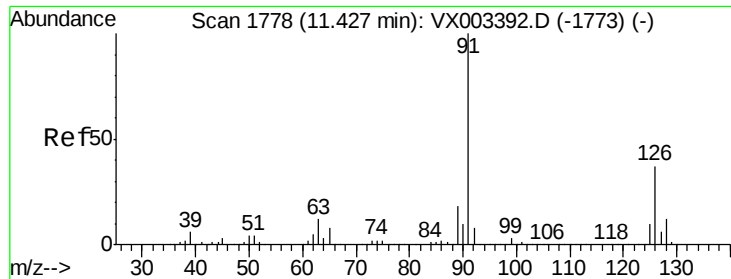
Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Tgt Ion:	91	Resp:	850308
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.8	35.4





#79

2-Chlorotoluene

Concen: 149.62 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 509434

Ion Ratio Lower Upper

91 100

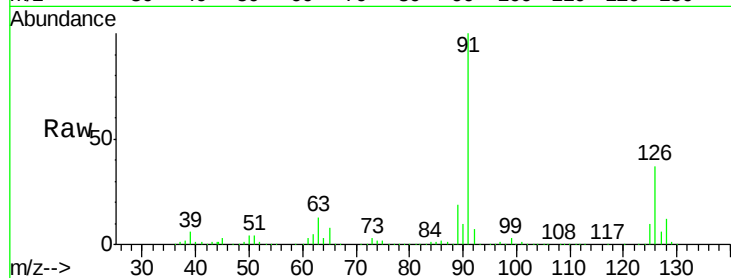
126 35.9 17.7 53.1

Manual Integrations

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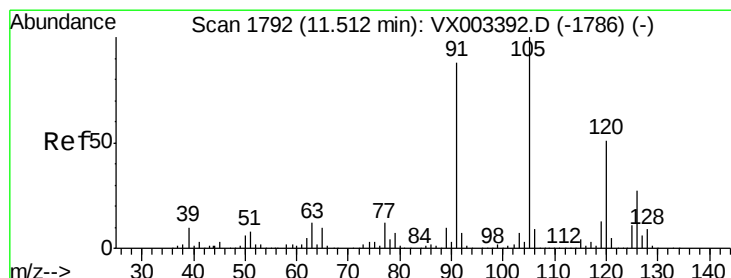
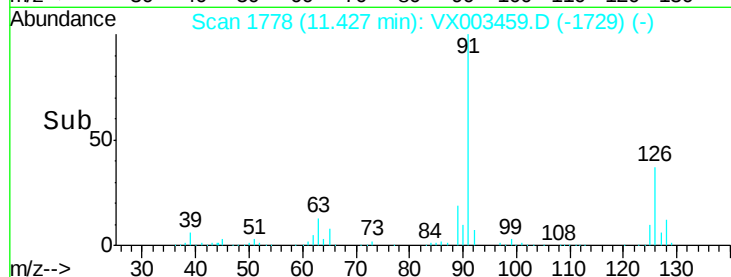
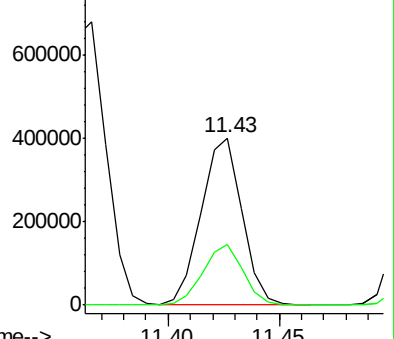
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 156.25 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003459.D

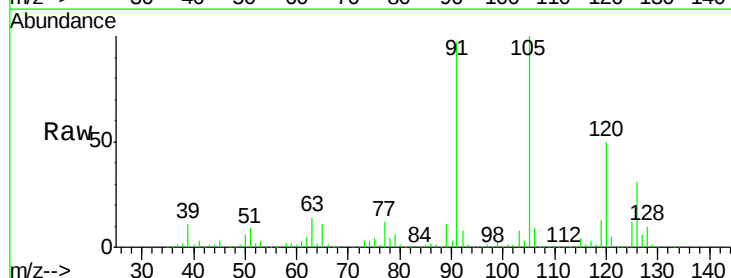
Acq: 18 Jul 2018 20:28

Tgt Ion:105 Resp: 634480

Ion Ratio Lower Upper

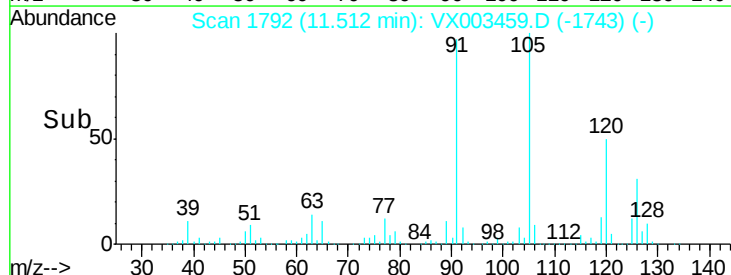
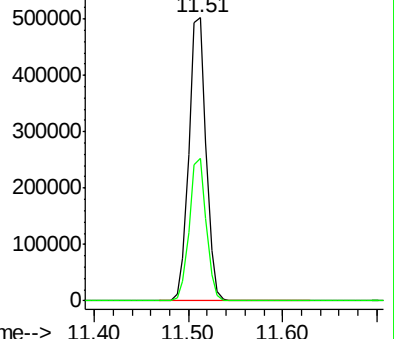
105 100

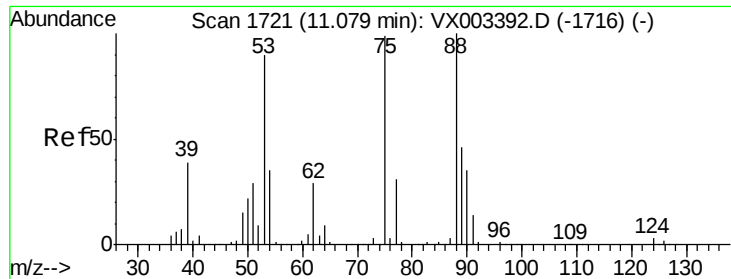
120 49.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





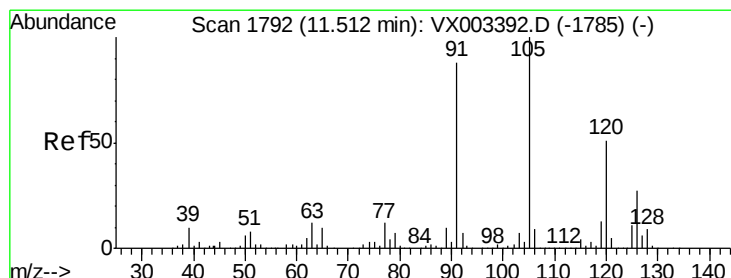
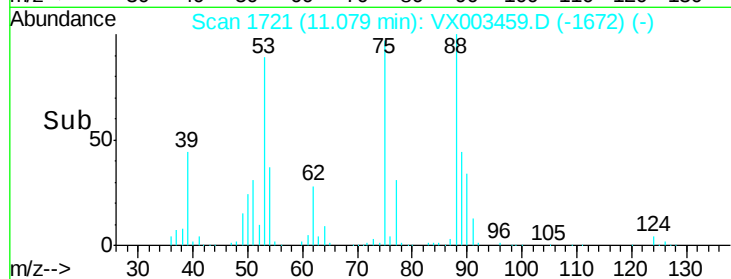
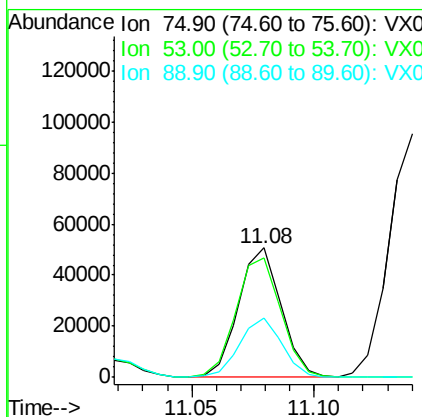
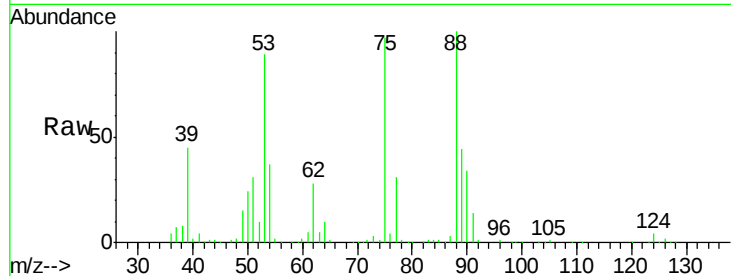
#81
trans-1,4-Dichloro-2-butene
Concen: 141.23 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.8	86.8	130.2
89	45.9	38.2	57.2

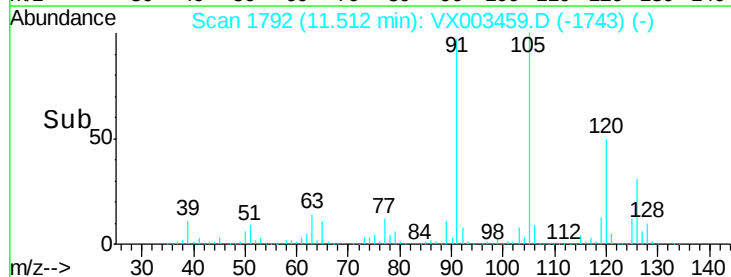
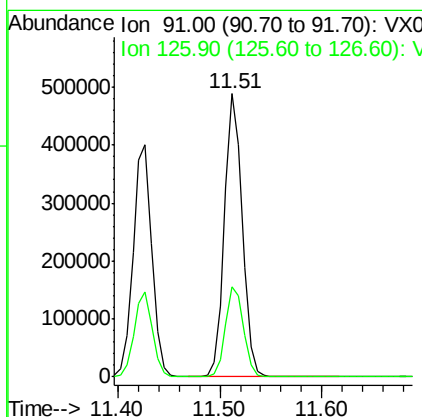
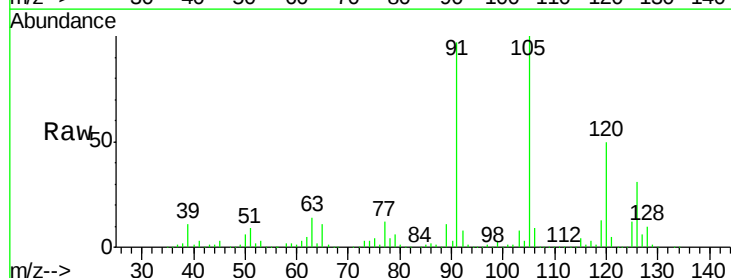
Manual Integrations
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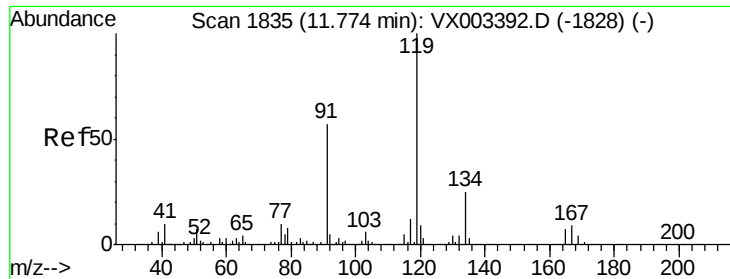
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#82
4-Chlorotoluene
Concen: 149.78 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.4	46.4





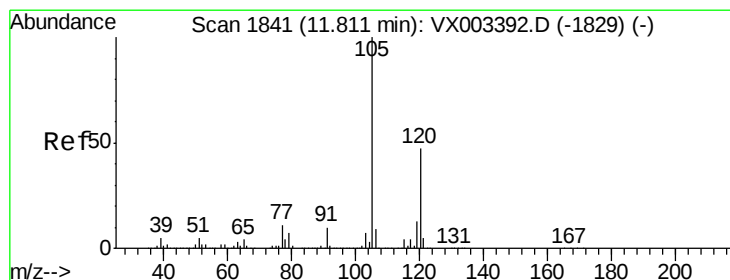
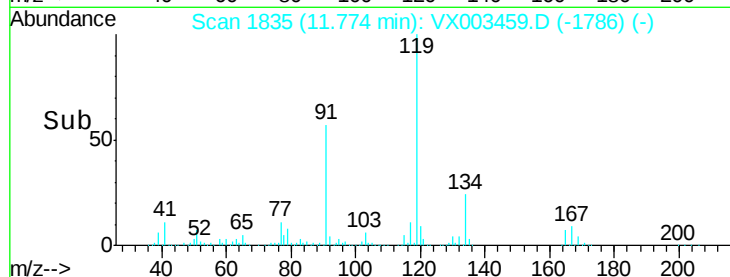
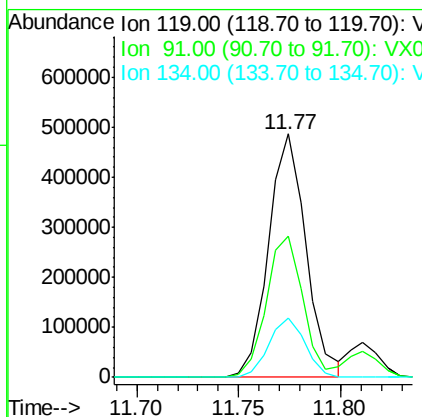
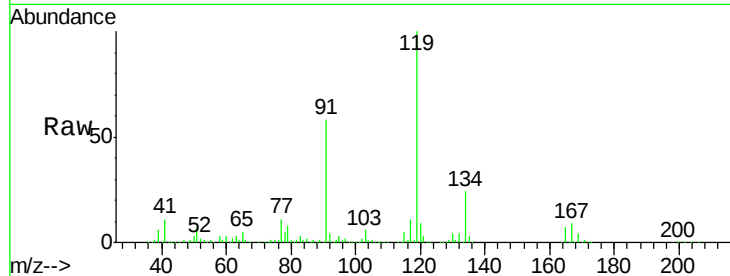
#83
tert-Butylbenzene
Concen: 156.54 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.5	30.3	90.9
134	23.8	11.7	35.1

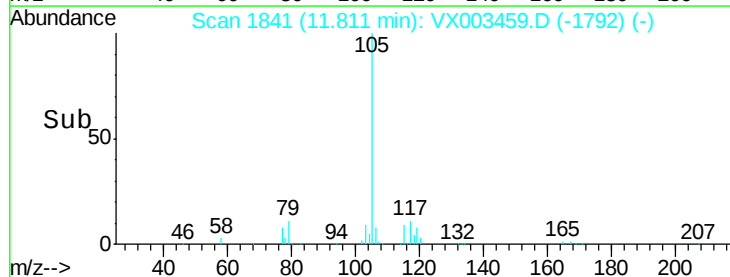
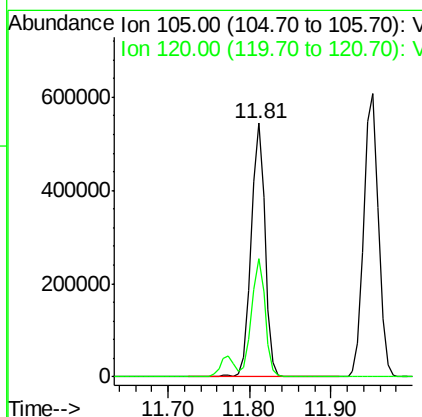
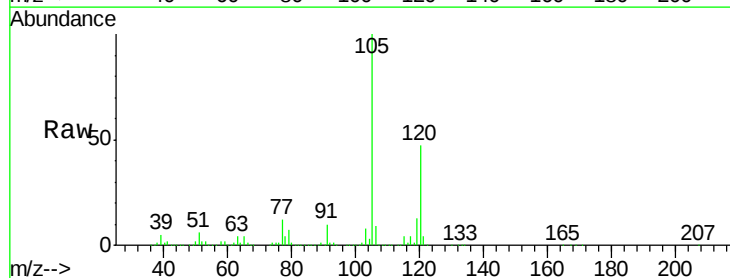
Manual Integrations
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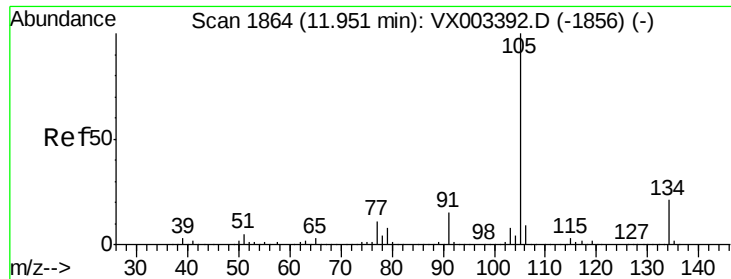
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#84
1,2,4-Trimethylbenzene
Concen: 155.90 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.8





#85

sec-Butylbenzene

Concen: 154.06 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 741704

Ion Ratio Lower Upper

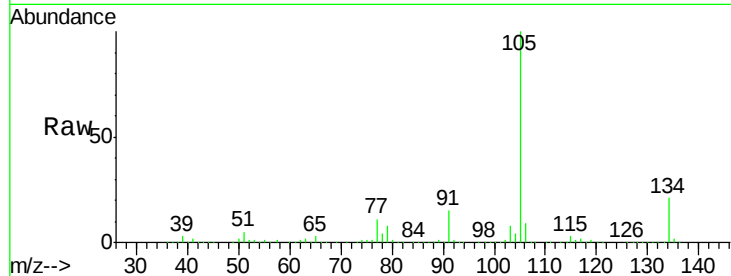
105 100

134 20.8 10.4 31.1

Manual Integrations
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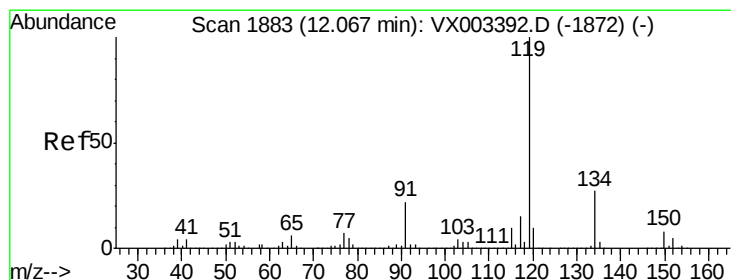
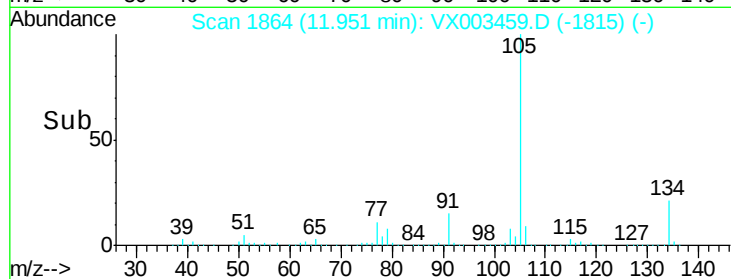
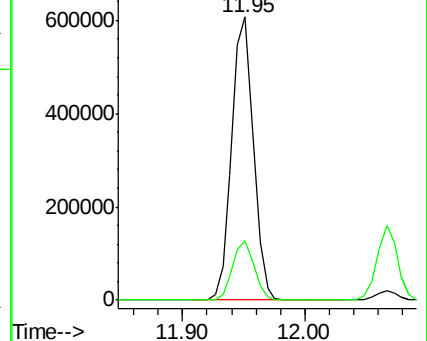
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 160.29 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

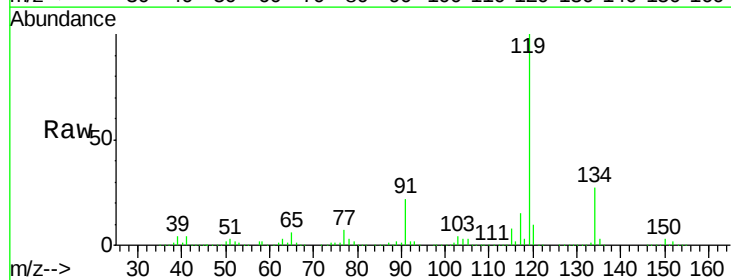
Tgt Ion:119 Resp: 686933

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

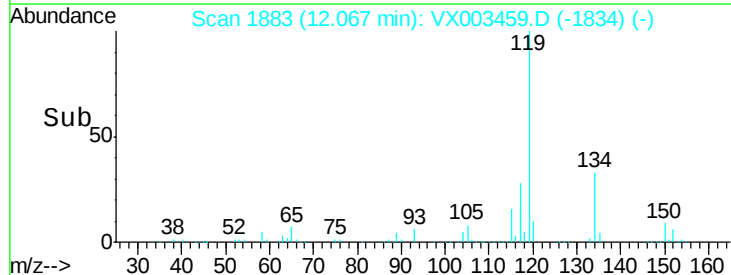
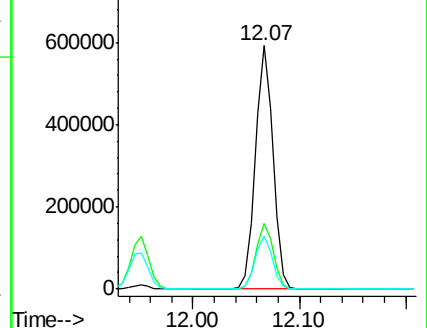
91 21.7 11.9 35.7

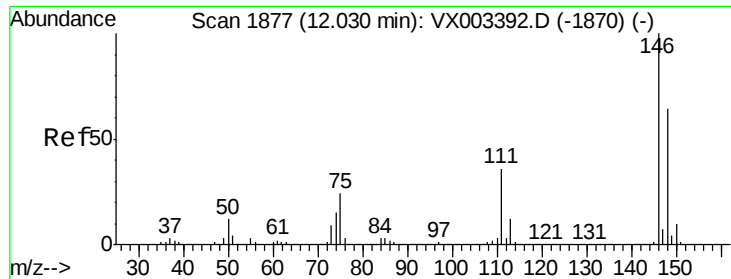


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 151.68 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

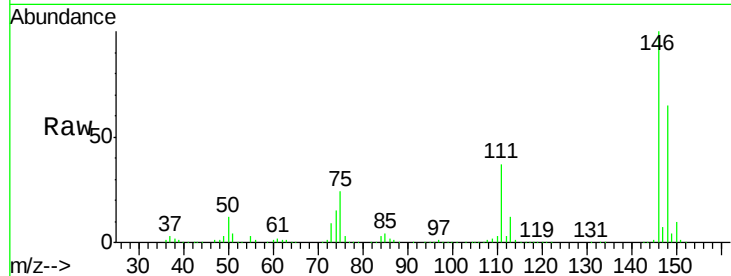
ClientSampleId :

VSTDCCC050EC

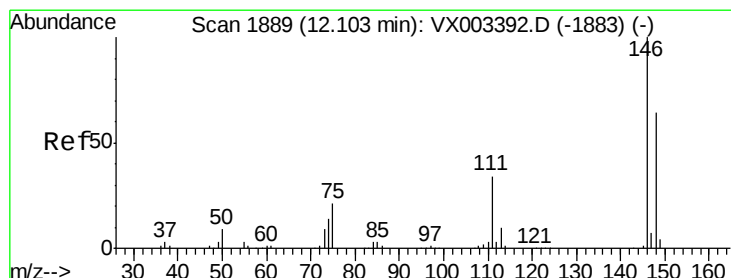
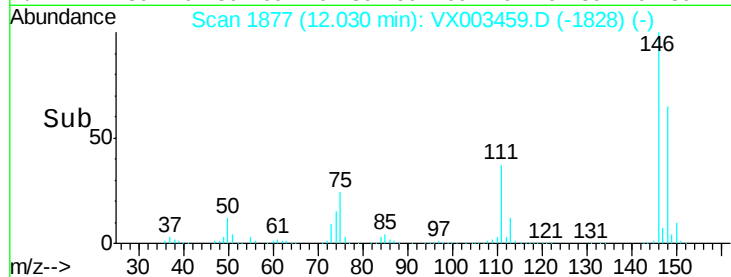
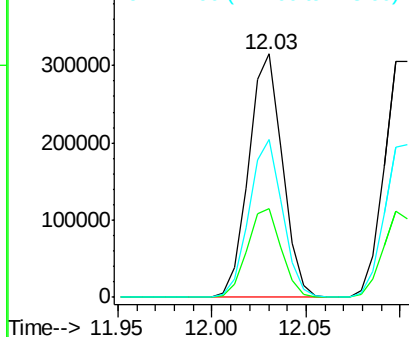
Tot Ion:	146	Resp:	391969
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.9	56.7
148	64.1	32.1	96.3

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 149.57 ug/l

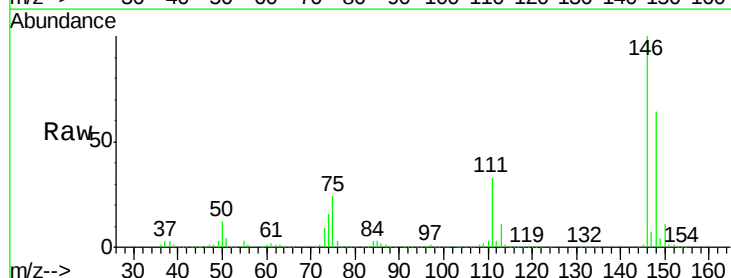
RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

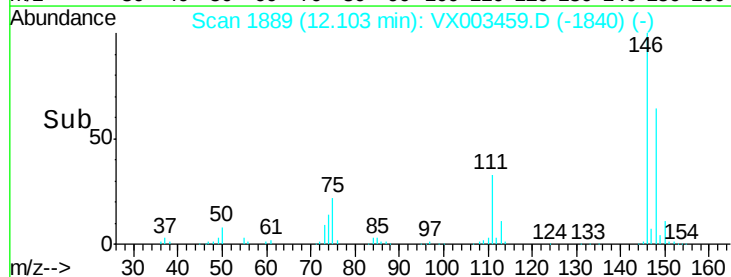
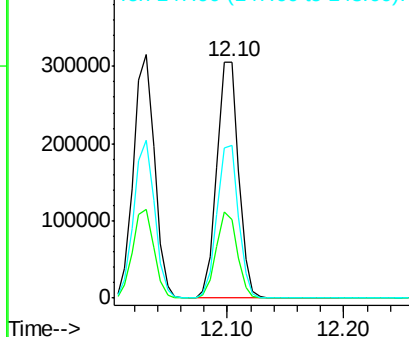
Lab File: VX003459.D

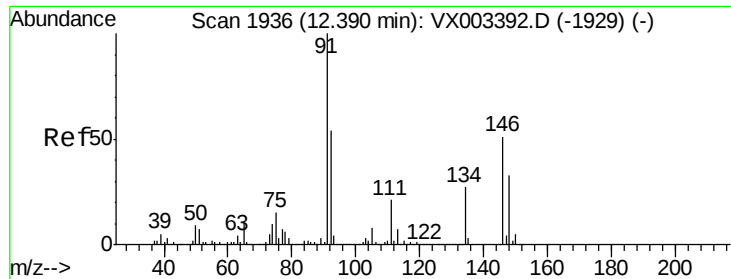
Acq: 18 Jul 2018 20:28

Tgt Ion:	146	Resp:	392483
Ion Ratio	Lower	Upper	
146	100		
111	35.4	18.7	56.1
148	63.9	32.4	97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





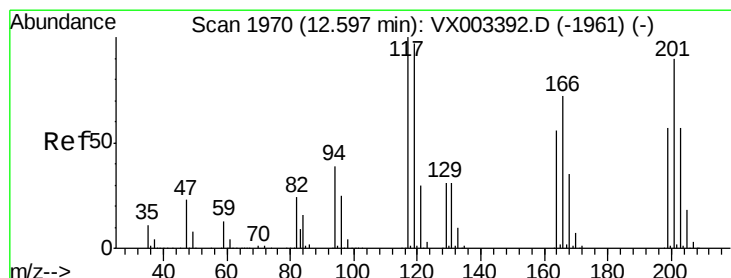
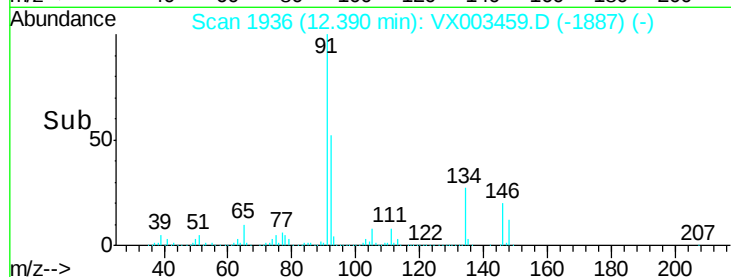
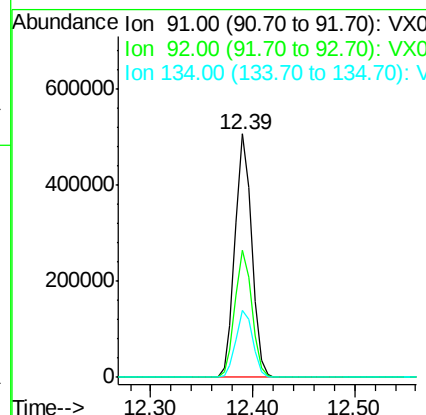
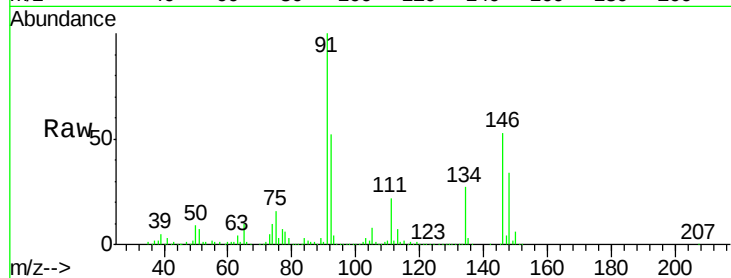
#89
n-Butylbenzene
Concen: 156.17 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.0	78.0
134	28.0	13.5	40.5

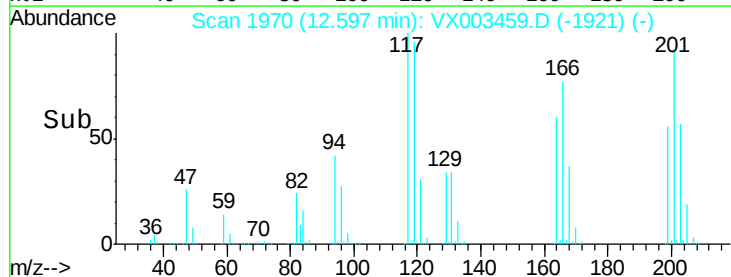
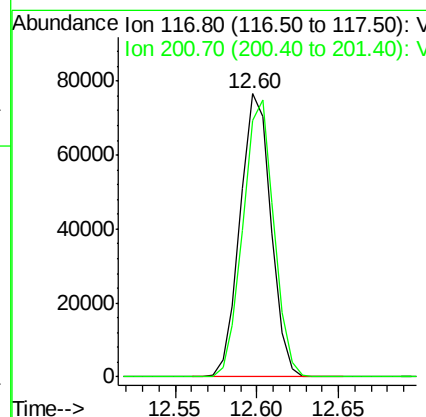
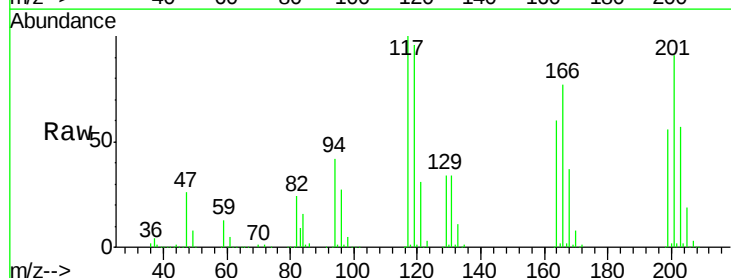
Manual Integrations
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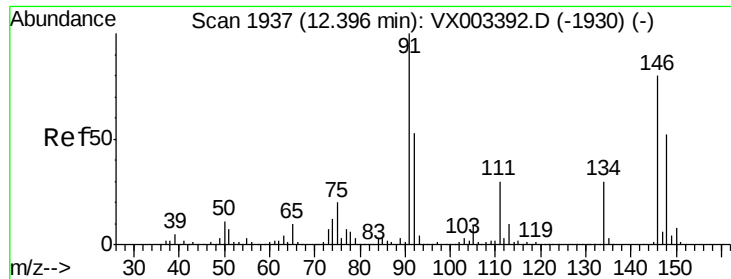
MMDadoda
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#90
Hexachloroethane
Concen: 155.35 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003459.D
Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.9	49.0	147.0





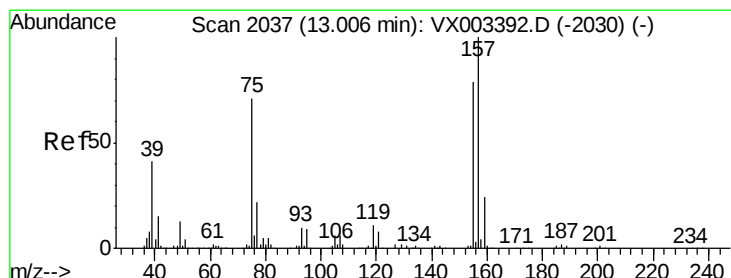
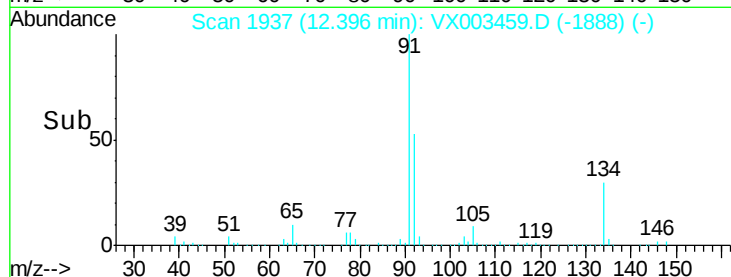
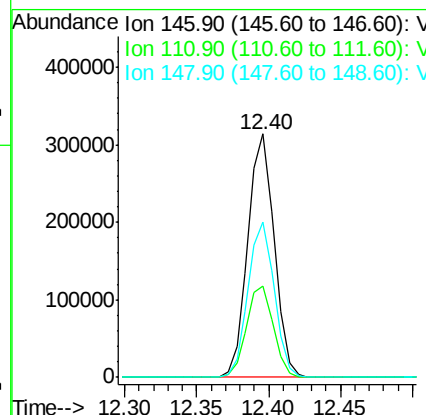
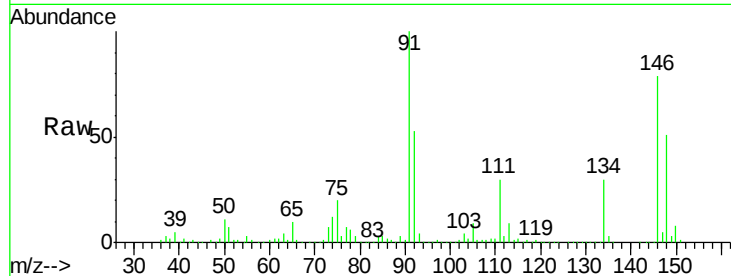
#91
 1,2-Dichlorobenzene
 Concen: 153.05 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	63.7	31.7	95.1

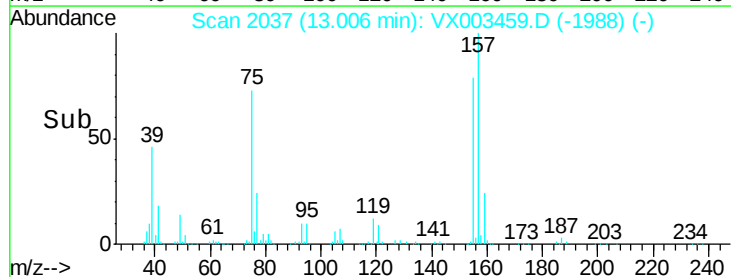
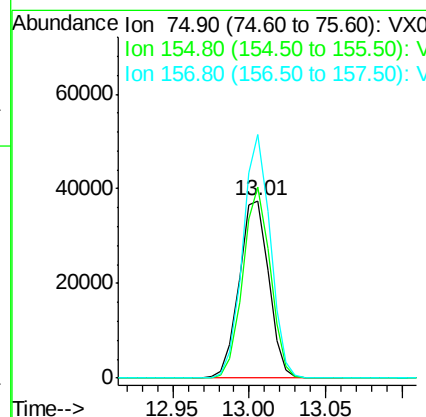
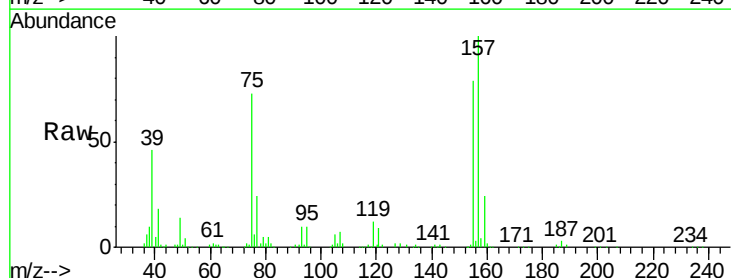
Manual Integrations
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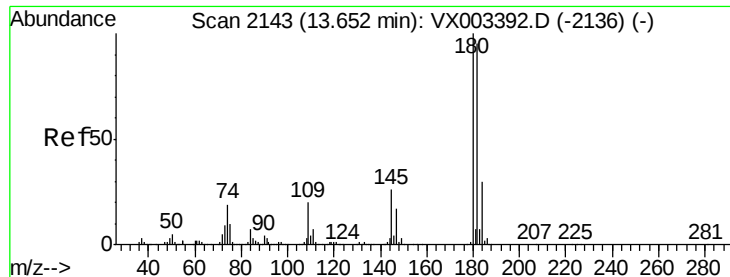
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 146.85 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.8	45.8	137.4
157	128.2	60.1	180.3





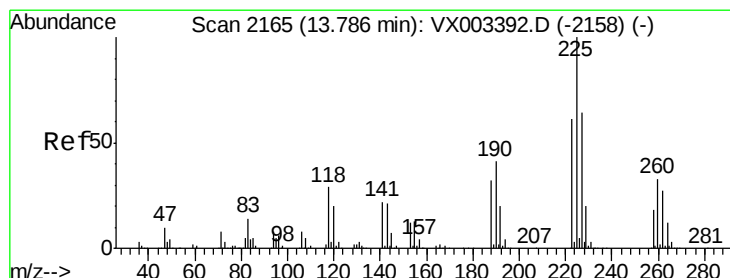
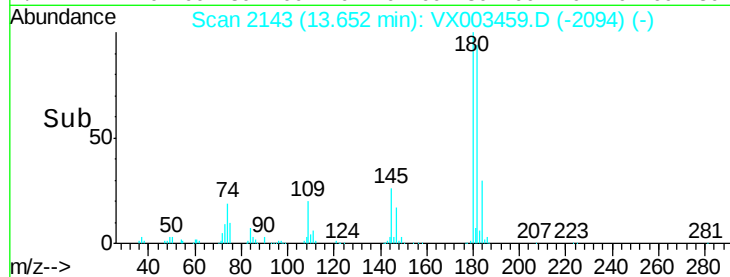
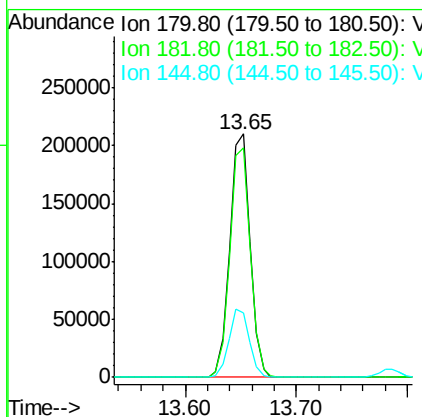
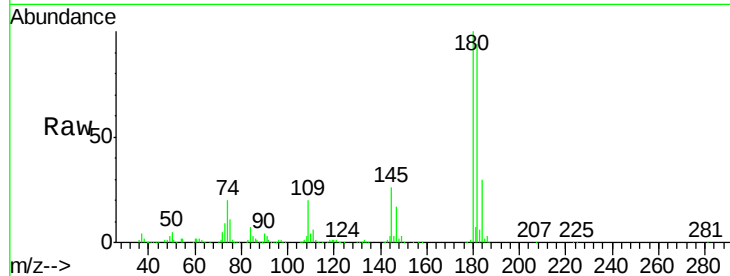
#93
 1,2,4-Trichlorobenzene
 Concen: 148.74 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	264142		
182	95.4	47.7	143.1	
145	28.1	14.1	42.4	

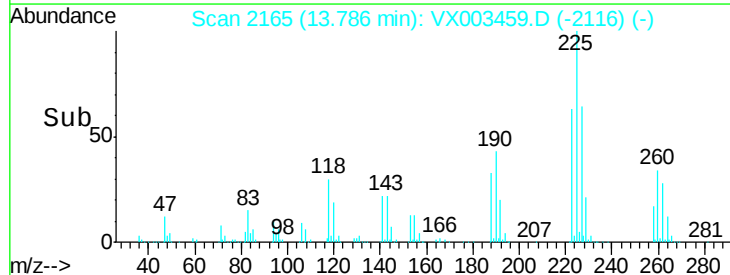
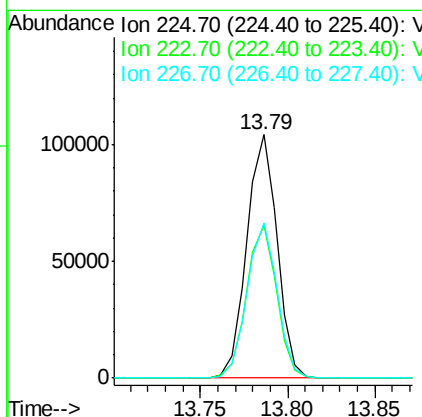
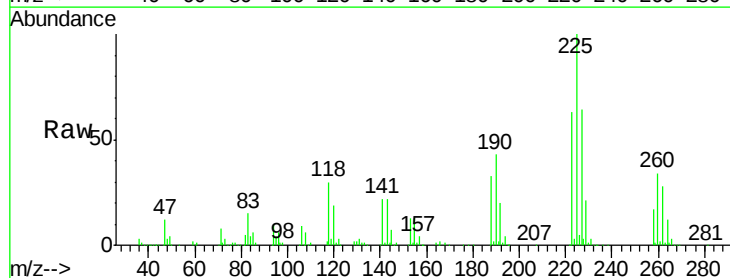
Manual Integrations
 APPROVED

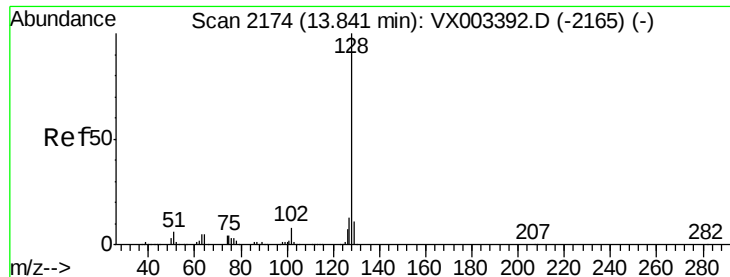
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 147.11 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003459.D
 Acq: 18 Jul 2018 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125760		
223	62.4	31.6	95.0	
227	63.2	32.4	97.2	





#95

Naphthalene

Concen: 154.99 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Instrument :

MSVOA_X

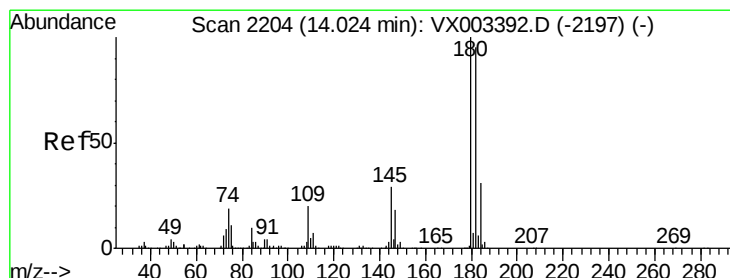
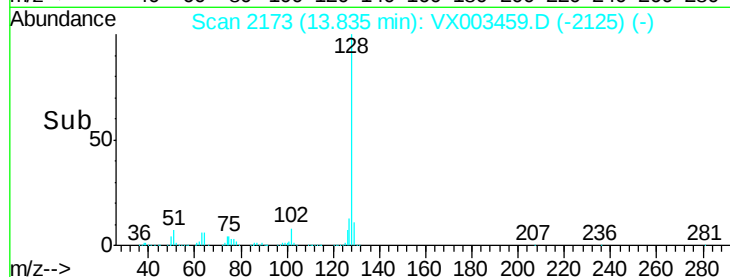
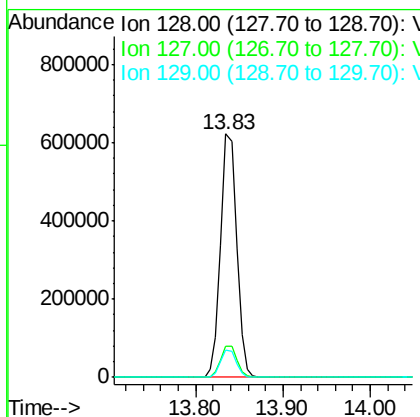
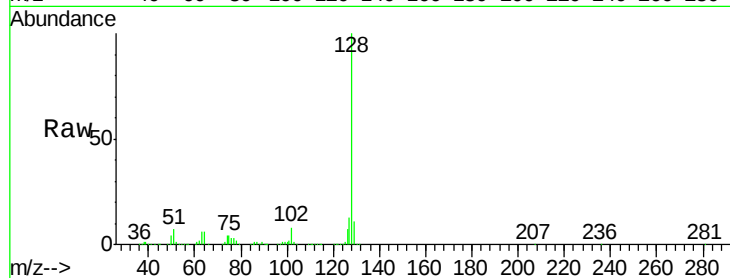
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	788944
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/19/2018 1:04:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 147.52 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003459.D

Acq: 18 Jul 2018 20:28

Tgt Ion:	180	Resp:	269480
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.0	144.0
145	29.6	14.8	44.3

