

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\
 Data File : VX001143.D
 Acq On : 26 Apr 2018 22:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:03:29 PM

Quant Time: Apr 27 07:20:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	307461	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198689	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	161952	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	5.51	113	129004	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	8.72	98	479463	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.14	95	189676	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	116984	49.63	ug/l	97
3) Chloromethane	1.32	50	118202	47.88	ug/l	100
4) Vinyl Chloride	1.40	62	129098	49.29	ug/l	100
5) Bromomethane	1.64	94	87041	54.54	ug/l	100
6) Chloroethane	1.72	64	82339	49.95	ug/l	99
7) Trichlorofluoromethane	1.93	101	210876	49.85	ug/l	100
8) Diethyl Ether	2.19	74	79403	48.82	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	114206	49.00	ug/l	99
10) Methyl Iodide	2.51	142	115222	47.91	ug/l	99
11) Tert butyl alcohol	3.09	59	168639	245.45	ug/l	99
12) 1,1-Dichloroethene	2.37	96	110948	48.81	ug/l	99
13) Acrolein	2.30	56	61044	235.03	ug/l	99
14) Allyl chloride	2.73	41	209659	50.57	ug/l	100
15) Acrylonitrile	3.16	53	352787	240.46	ug/l	100
16) Acetone	2.45	43	325021	226.86	ug/l	98
17) Carbon Disulfide	2.57	76	290868	50.16	ug/l	99
18) Methyl Acetate	2.79	43	178572	49.81	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	413269	49.39	ug/l	98
20) Methylene Chloride	2.86	84	126890	47.55	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	121123	48.21	ug/l	99
22) Diisopropyl ether	3.88	45	413593	49.86	ug/l	98
23) Vinyl Acetate	3.84	43	1813117	257.62	ug/l	100
24) 1,1-Dichloroethane	3.70	63	211473	48.50	ug/l	99
25) 2-Butanone	4.72	43	509530	237.69	ug/l	99
26) 2,2-Dichloropropane	4.59	77	159620	46.51	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	135772	49.35	ug/l	99
28) Bromochloromethane	5.03	49	101881	52.11	ug/l	99
29) Tetrahydrofuran	5.18	42	328666	238.45	ug/l	100
30) Chloroform	5.23	83	234246	50.52	ug/l	98
31) Cyclohexane	5.58	56	187358	50.58	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	205235	51.28	ug/l	99
36) 1,1-Dichloropropene	5.81	75	166994	49.29	ug/l	99
37) Ethyl Acetate	4.88	43	199945	49.28	ug/l	99
38) Carbon Tetrachloride	5.79	117	179695	51.72	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	190789	50.88	ug/l	97
40) Benzene	6.15	78	503223	51.34	ug/l	99
41) Methacrylonitrile	5.07	41	113061	49.59	ug/l	99
42) 1,2-Dichloroethane	6.21	62	200106	50.67	ug/l	99
43) Isopropyl Acetate	6.48	43	327333	51.37	ug/l	100
44) Trichloroethene	7.22	130	146271	50.09	ug/l	100
45) 1,2-Dichloropropane	7.52	63	131558	51.03	ug/l	100
46) Dibromomethane	7.67	93	92262	51.69	ug/l	99
47) Bromodichloromethane	7.91	83	172840	53.29	ug/l	98
48) Methyl methacrylate	7.79	41	174609	51.55	ug/l	99
49) 1,4-Dioxane	7.77	88	67240	991.56	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1067462	255.02	ug/l	99
52) Toluene	8.79	92	328836	51.31	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	202069	53.59	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	192388	47.19	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	136099	50.19	ug/l	99
56) Ethyl methacrylate	9.19	69	211485	52.64	ug/l	100
57) 1,3-Dichloropropane	9.38	76	223749	51.01	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	489353	257.64	ug/l	99
59) 2-Hexanone	9.51	43	827392	252.28	ug/l	100
60) Dibromochloromethane	9.59	129	150077	47.56	ug/l	100
61) 1,2-Dibromoethane	9.68	107	149310	52.56	ug/l	100
64) Tetrachloroethene	9.34	164	154307	48.99	ug/l	98
65) Chlorobenzene	10.15	112	386474	49.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	143016	53.47	ug/l	99
67) Ethyl Benzene	10.26	91	639985	50.95	ug/l	100
68) m/p-Xylenes	10.37	106	506237	101.95	ug/l	100
69) o-Xylene	10.71	106	248509	51.60	ug/l	100
70) Styrene	10.72	104	416044	51.91	ug/l	100
71) Bromoform	10.87	173	125604	45.17	ug/l #	99
73) Isopropylbenzene	11.02	105	654478	50.54	ug/l	100
74) N-amyl acetate	6.48	43	327333	50.16	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	214251	49.86	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	201596m	49.83	ug/l	
77) Bromobenzene	11.26	156	192917	50.23	ug/l	100
78) n-propylbenzene	11.37	91	741781	51.37	ug/l	100
79) 2-Chlorotoluene	11.43	91	450203	50.29	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	564455	51.48	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	54862	43.82	ug/l	100
82) 4-Chlorotoluene	11.52	91	538921	50.65	ug/l	100
83) tert-Butylbenzene	11.77	119	566185	51.74	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	583861	51.81	ug/l	99
85) sec-Butylbenzene	11.95	105	661362	51.74	ug/l	100
86) p-Isopropyltoluene	12.07	119	608209	51.15	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	341784	49.57	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	354775	49.39	ug/l	99
89) n-Butylbenzene	12.40	91	525532	51.07	ug/l	100
90) Hexachloroethane	12.60	117	91313	47.75	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	350323	50.27	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49141	51.82	ug/l	98

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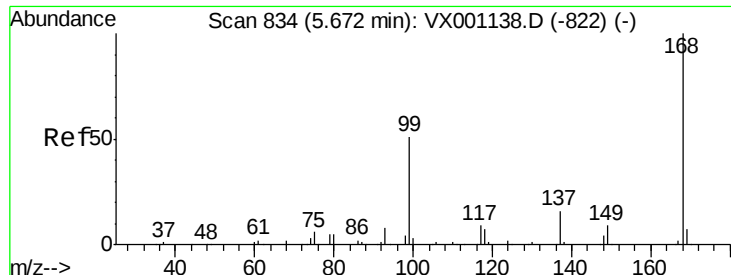
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	269118	49.26	ug/l	100
94) Hexachlorobutadiene	13.79	225	125284	48.79	ug/l	100
95) Naphthalene	13.84	128	784219	51.52	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	269716	49.62	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 224757

Ion Ratio Lower Upper

168 100

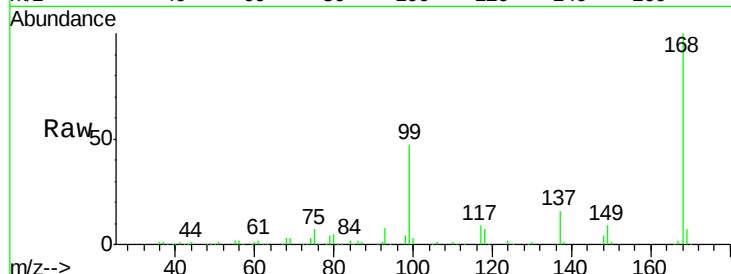
99 47.0 40.6 60.8

Manual Integrations

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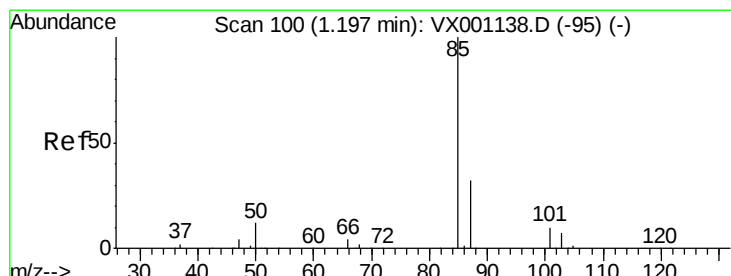
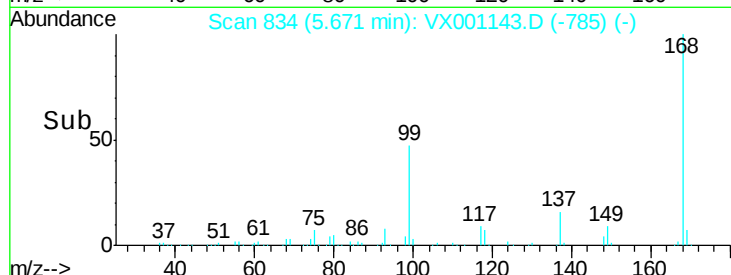
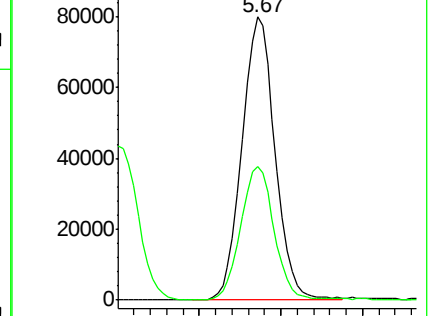
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.63 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001143.D

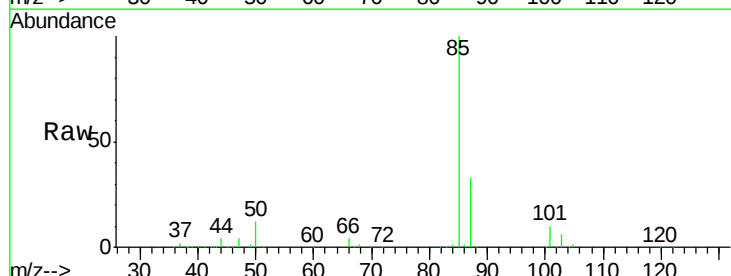
Acq: 26 Apr 2018 22:11

Tgt Ion: 85 Resp: 116984

Ion Ratio Lower Upper

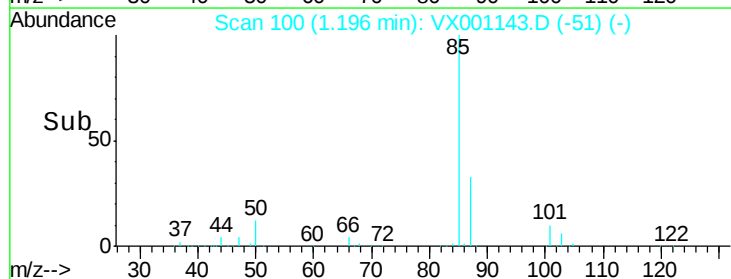
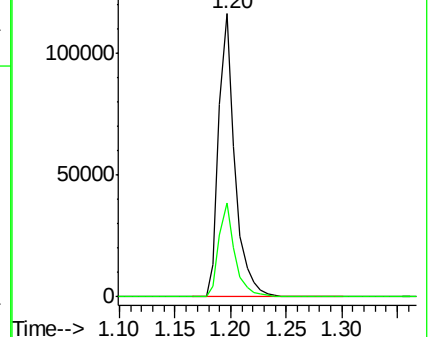
85 100

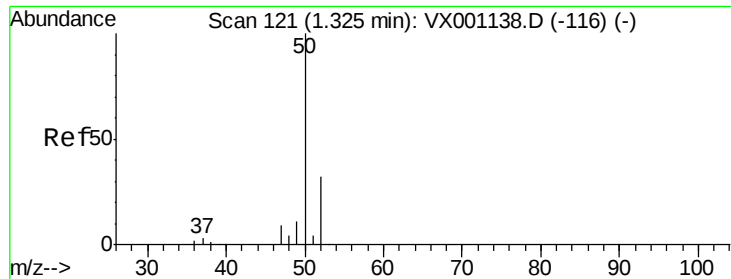
87 33.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.88 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 118202

Ion Ratio Lower Upper

50 100

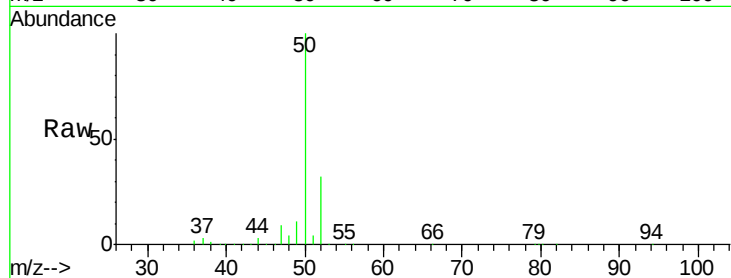
52 32.2 25.9 38.9

Manual Integrations

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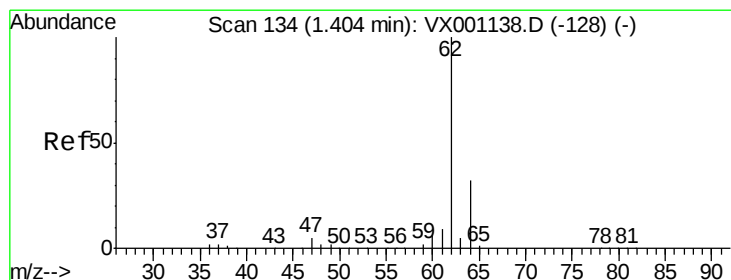
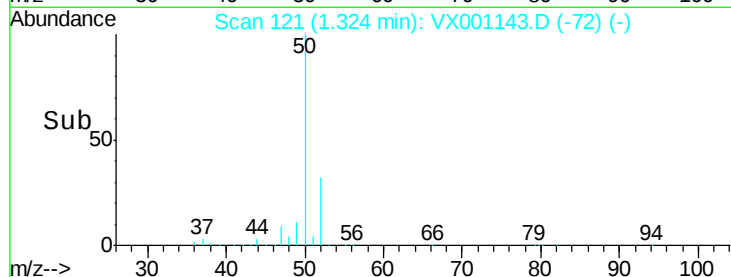
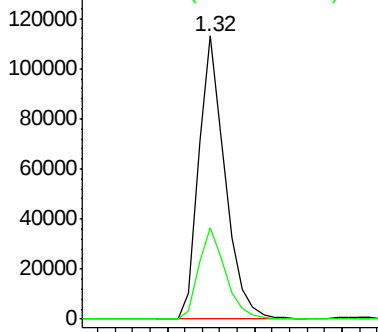
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.29 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001143.D

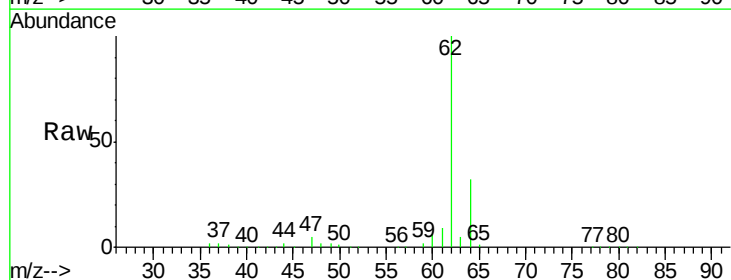
Acq: 26 Apr 2018 22:11

Tgt Ion: 62 Resp: 129098

Ion Ratio Lower Upper

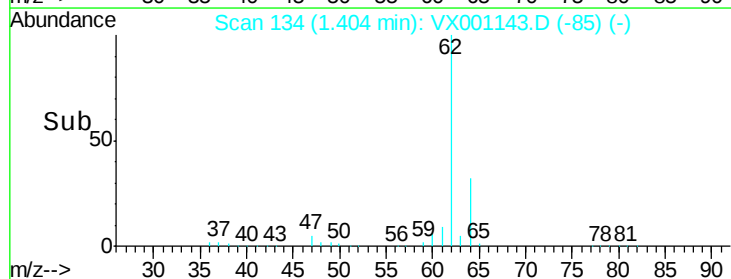
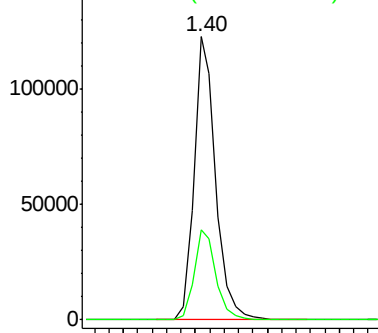
62 100

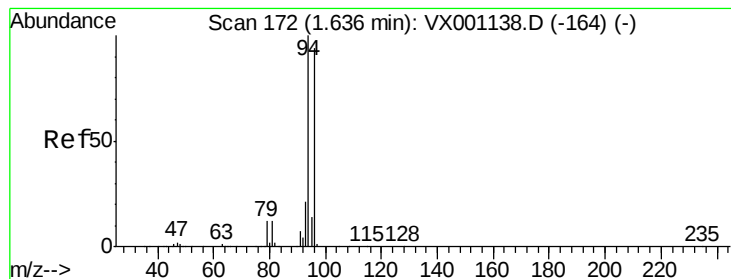
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 54.54 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 87041

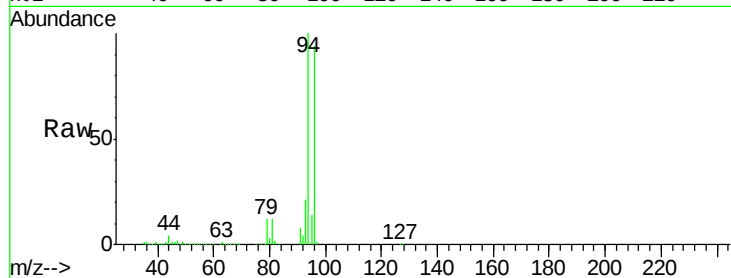
Ion Ratio Lower Upper

94 100

96 94.3 75.3 112.9

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

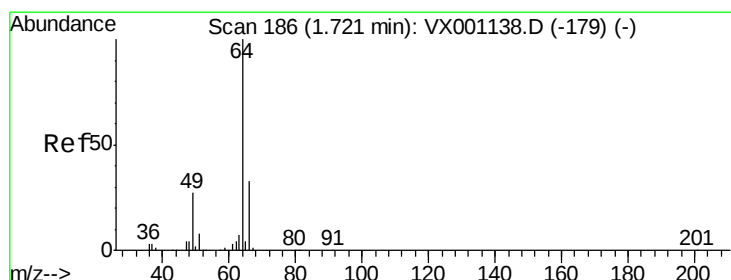
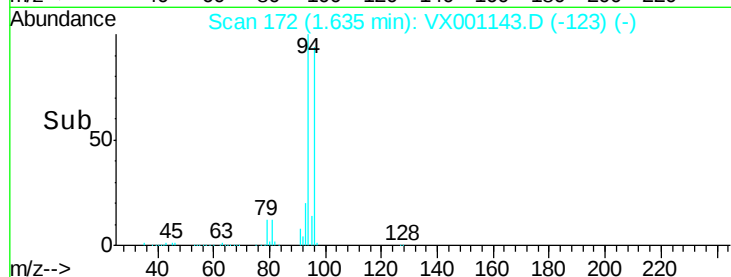
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 49.95 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX001143.D

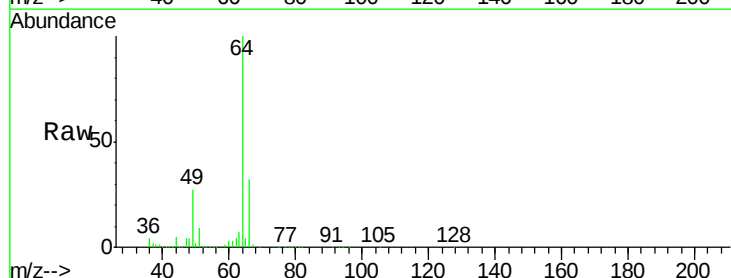
Acq: 26 Apr 2018 22:11

Tgt Ion: 64 Resp: 82339

Ion Ratio Lower Upper

64 100

66 32.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

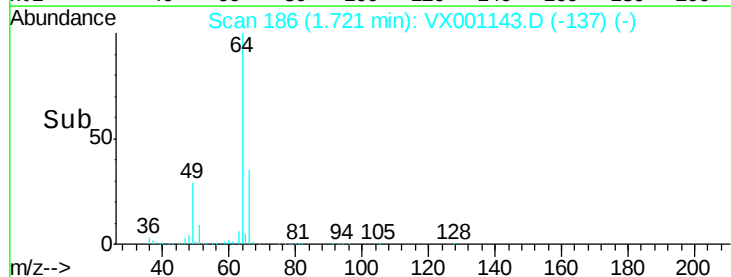
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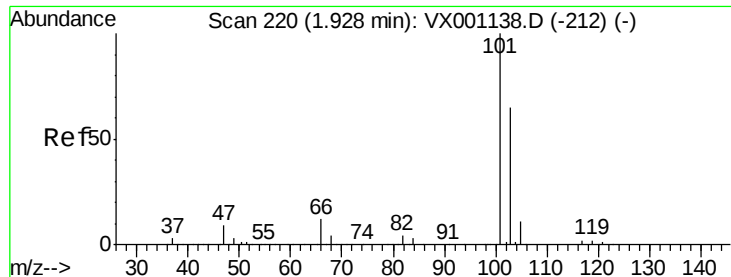
40000

20000

0

Time-->





#7

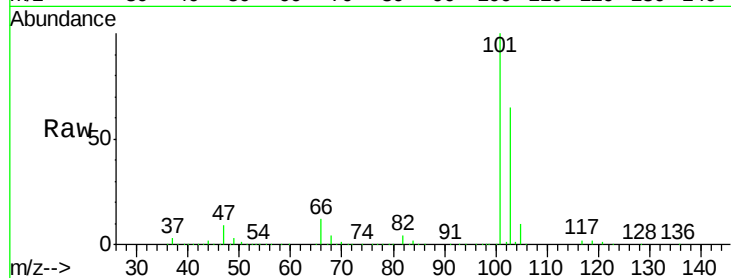
Trichlorofluoromethane
Concen: 49.85 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

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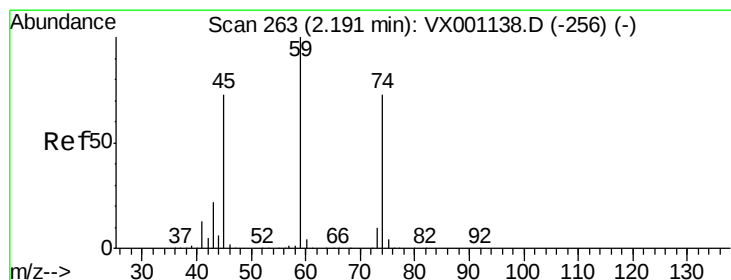
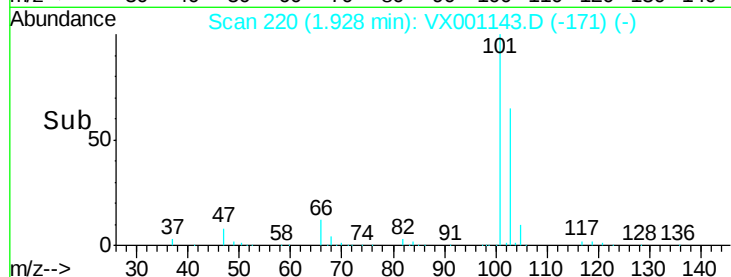
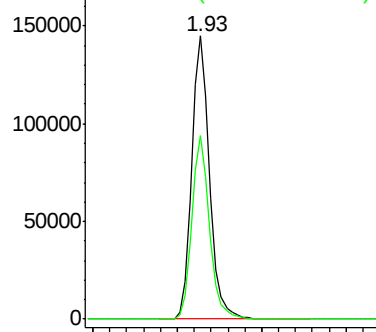
Tot Ion:101 Resp: 210876
Ion Ratio Lower Upper
101 100
103 64.8 51.9 77.9

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4/30/2018 6:03:29 PM



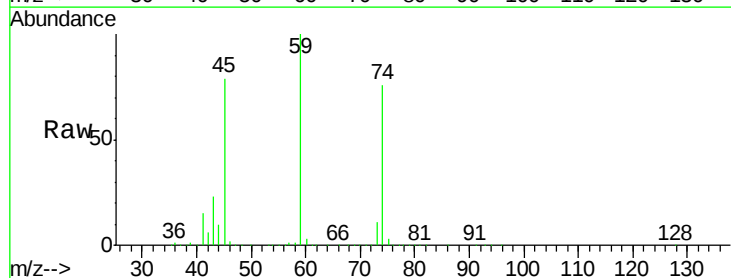
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



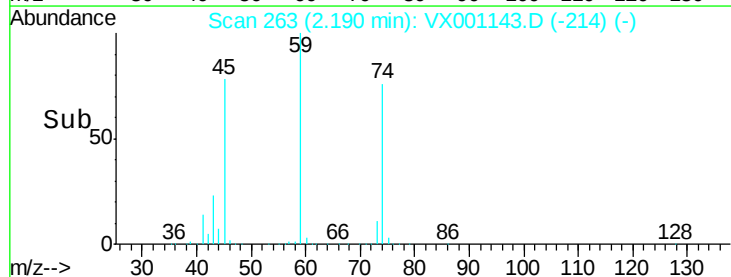
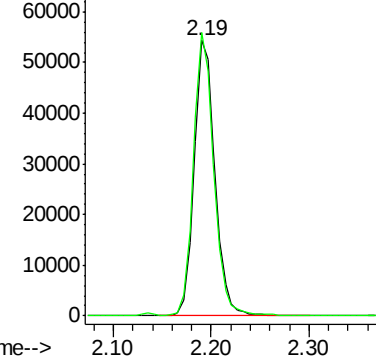
#8

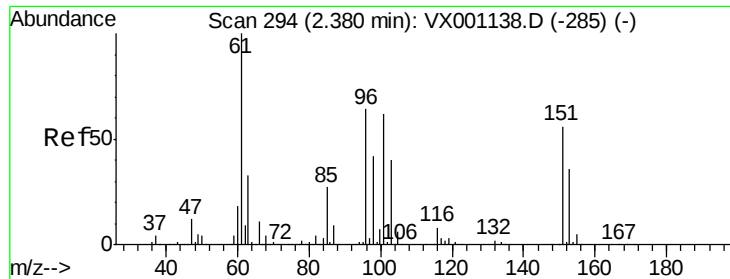
Diethyl Ether
Concen: 48.82 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion: 74 Resp: 79403
Ion Ratio Lower Upper
74 100
45 99.7 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.00 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

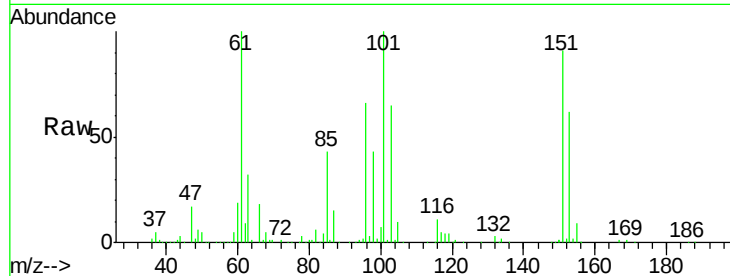
ClientSampleId :

VSTDCCC050

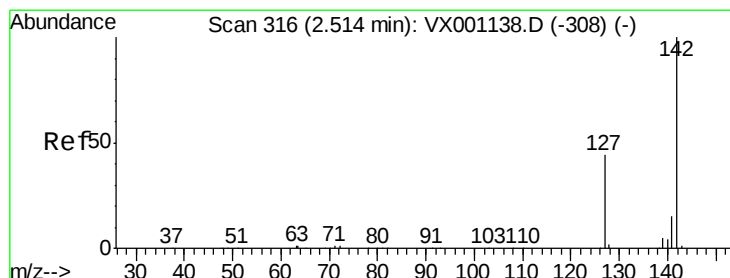
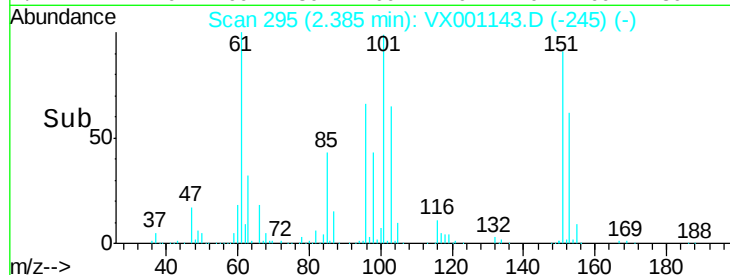
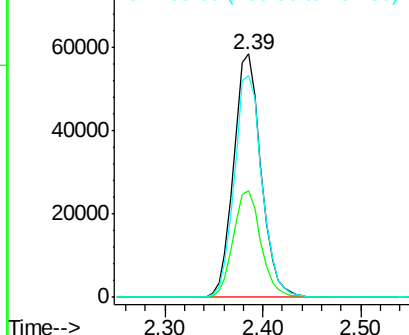
Tot Ion:	101	Resp:	114206
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.4	53.0
151	92.1	74.2	111.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.91 ug/l

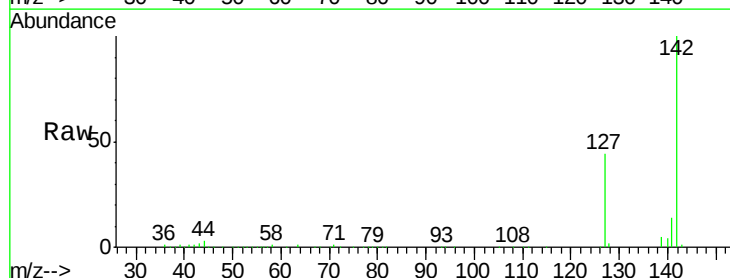
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

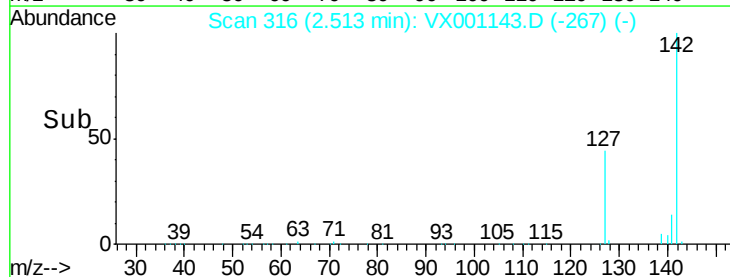
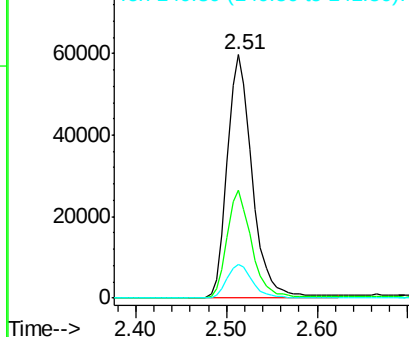
Lab File: VX001143.D

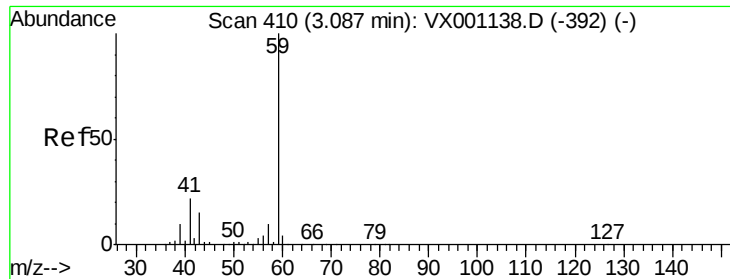
Acq: 26 Apr 2018 22:11

Tgt Ion:	142	Resp:	115222
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.7	52.1
141	14.1	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





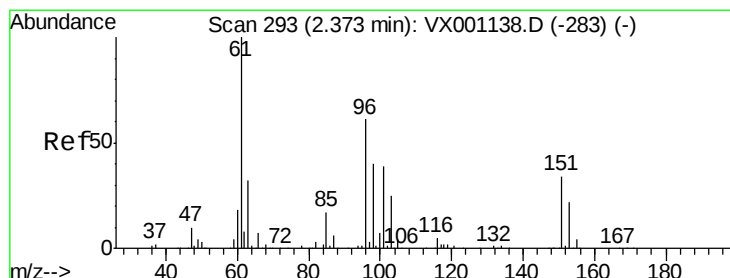
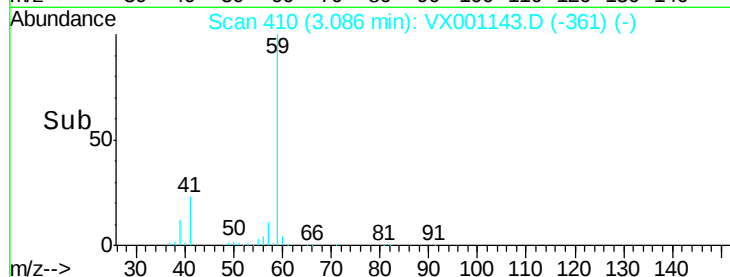
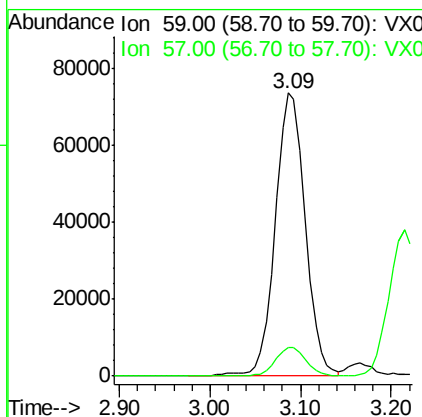
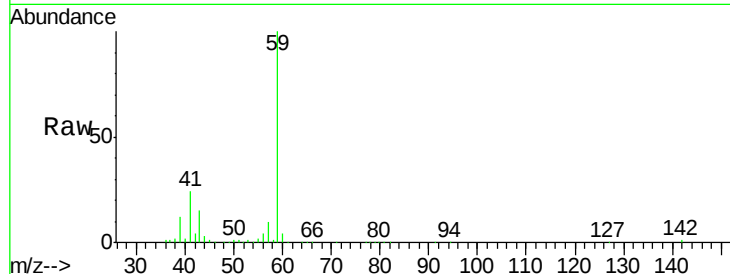
#11
Tert butyl alcohol
Concen: 245.45 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

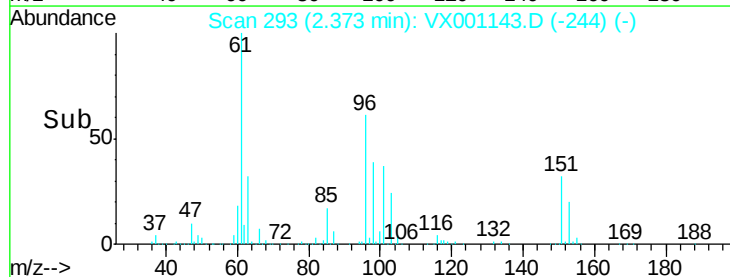
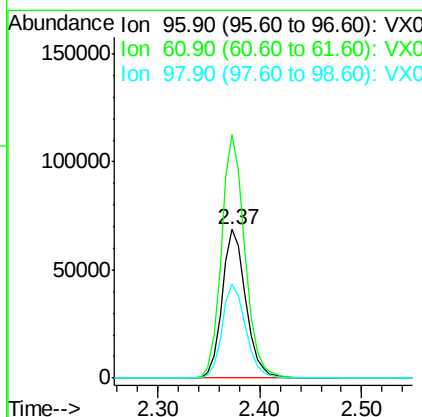
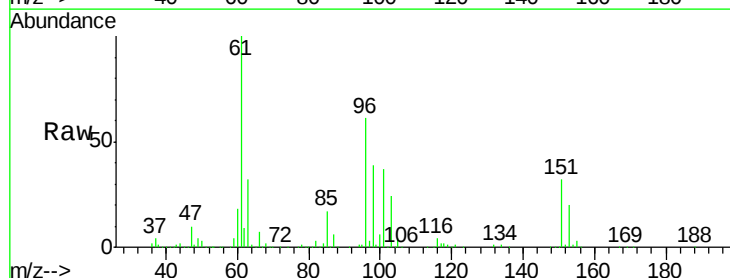
Manual Integrations
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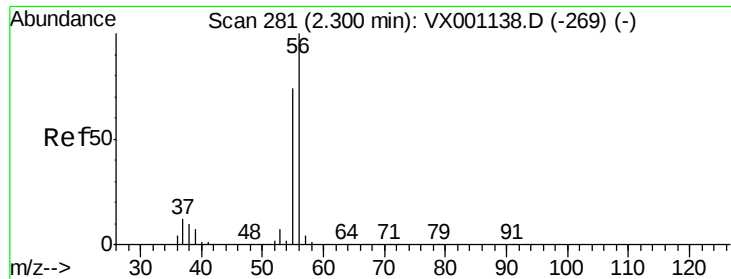
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.81 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.8	130.2	195.4
98	63.5	51.5	77.3





#13

Acrolein

Concen: 235.03 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 61044

Ion Ratio Lower Upper

56 100

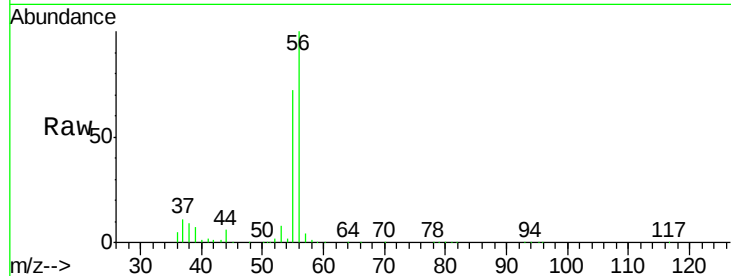
55 72.0 57.2 85.8

Manual Integrations

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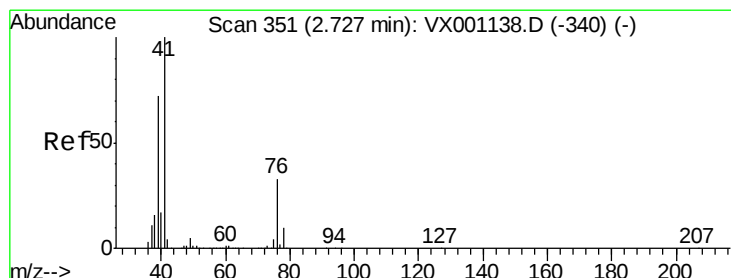
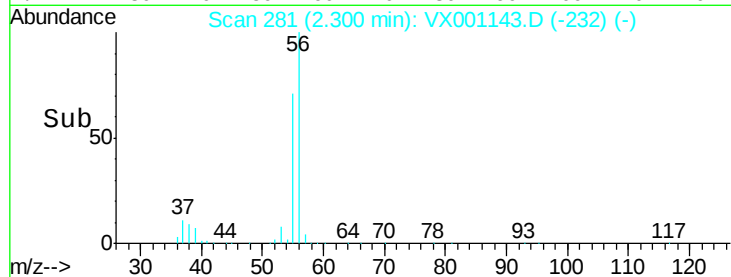
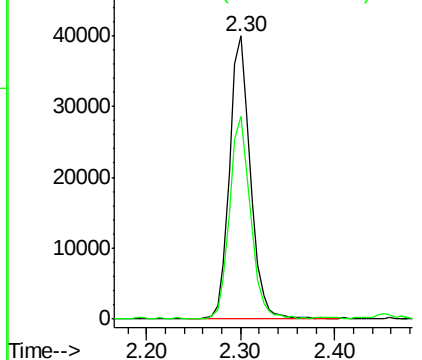
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 50.57 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

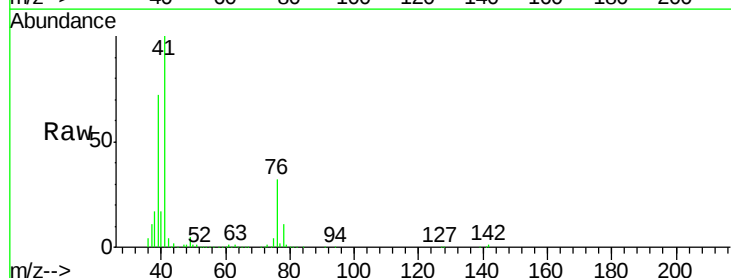
Tgt Ion: 41 Resp: 209659

Ion Ratio Lower Upper

41 100

39 69.3 55.6 83.4

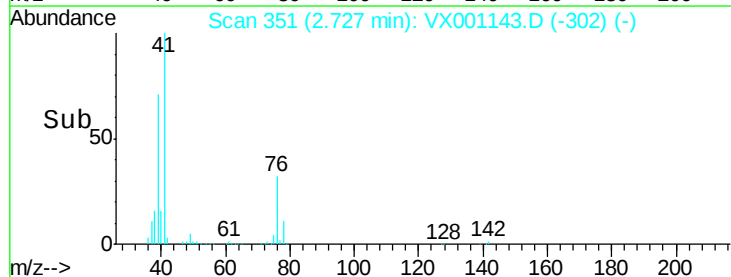
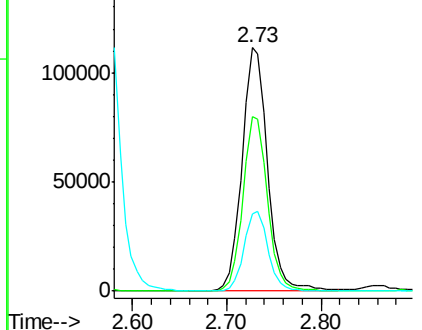
76 31.1 24.8 37.2

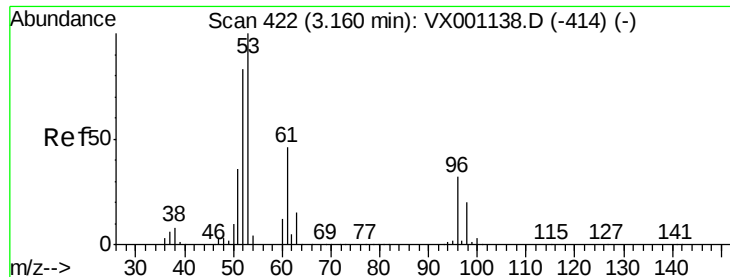


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 240.46 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

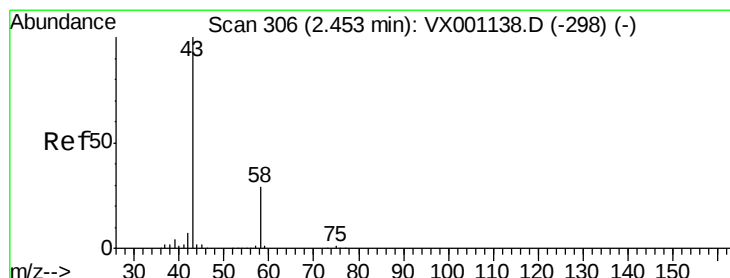
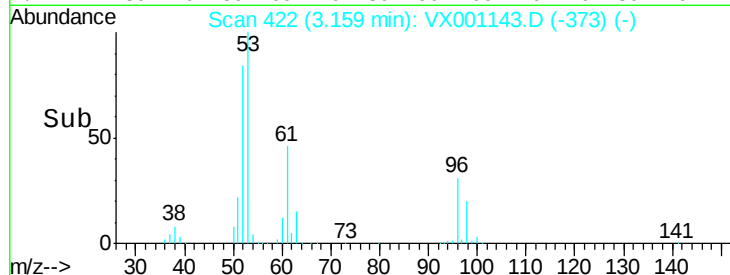
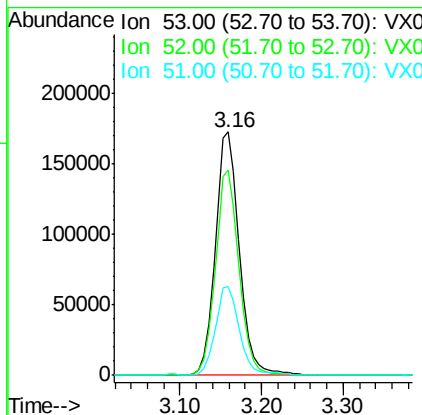
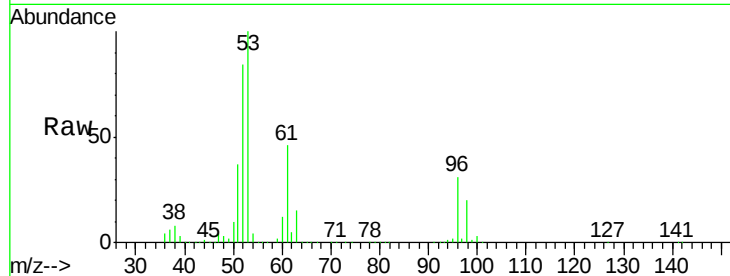
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	352787
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.5	99.7
51	36.9	29.5	44.3

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#16

Acetone

Concen: 226.86 ug/l

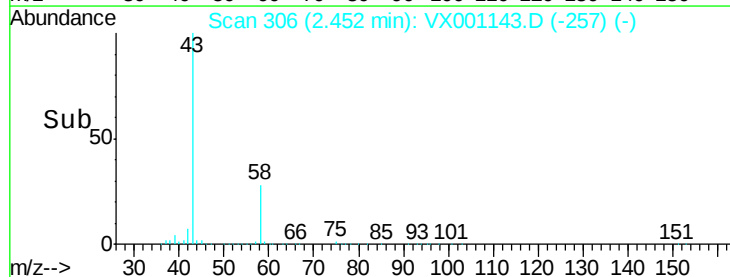
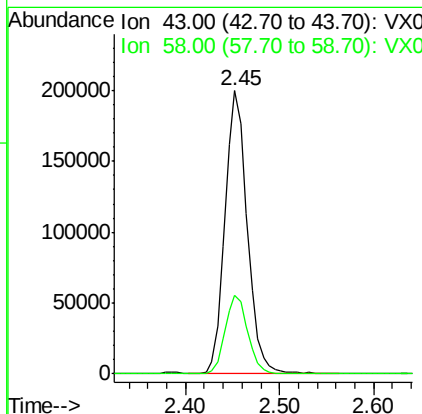
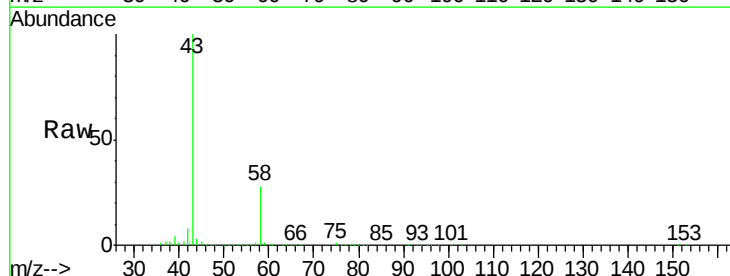
RT: 2.45 min Scan# 306

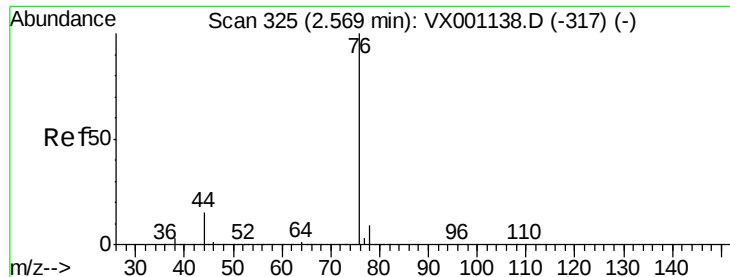
Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Tgt Ion:	43	Resp:	325021
Ion Ratio	Lower	Upper	
43	100		
58	27.7	23.0	34.6





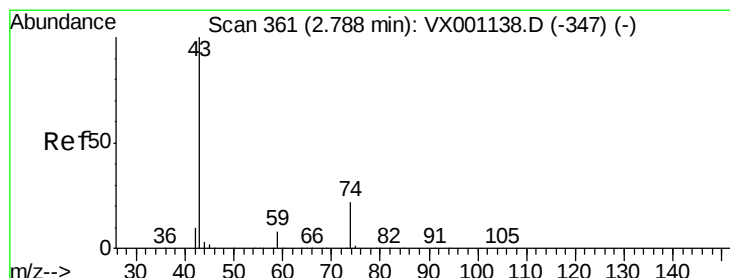
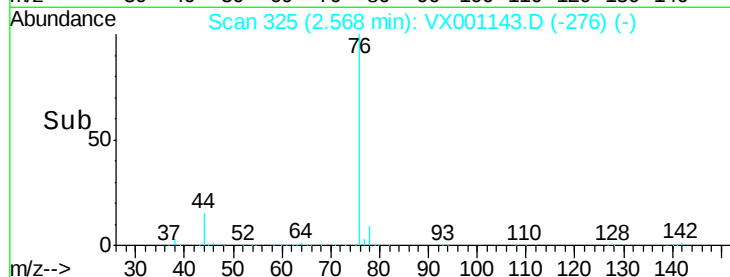
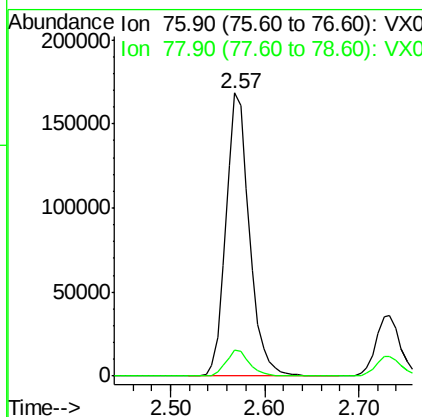
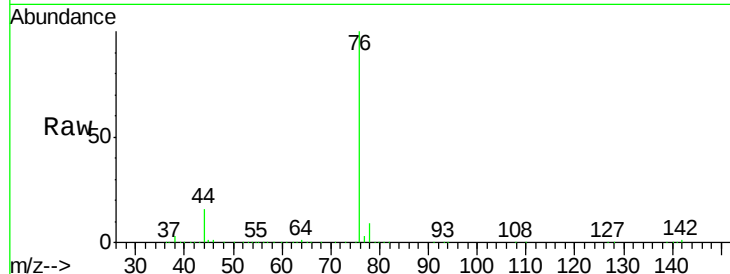
#17
Carbon Disulfide
Concen: 50.16 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

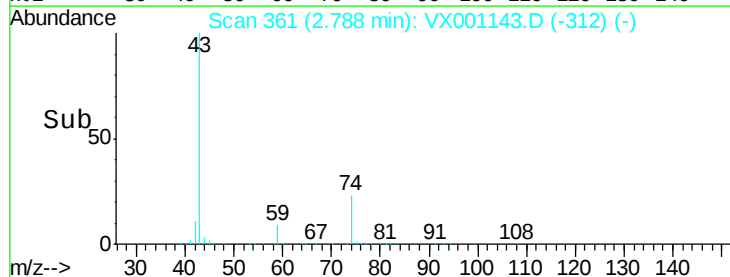
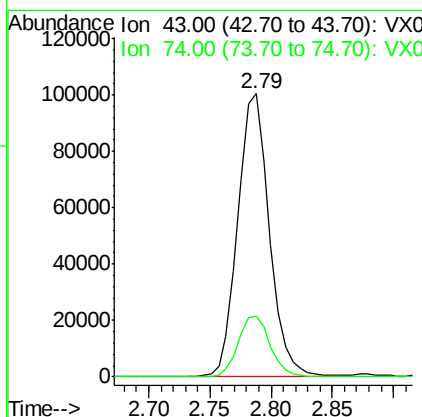
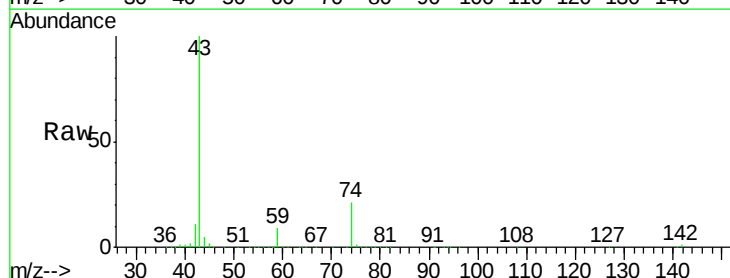
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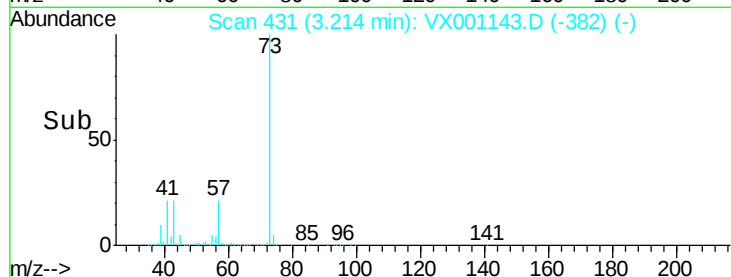
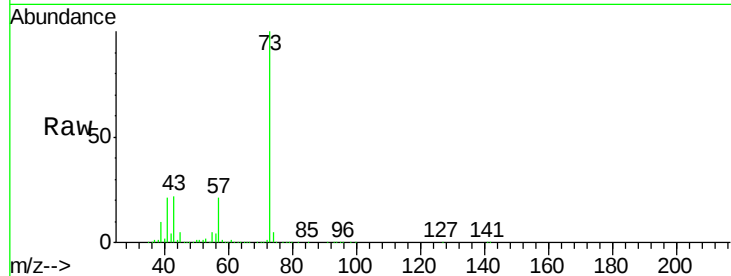
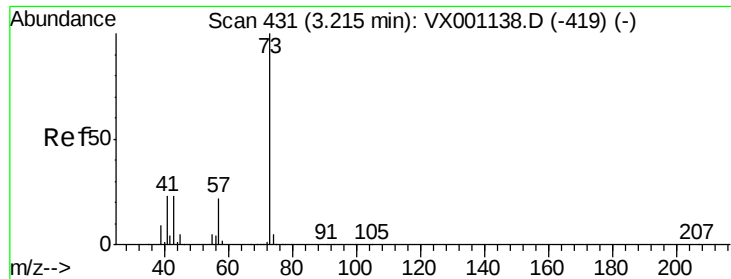
MMDadoda
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#18
Methyl Acetate
Concen: 49.81 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	18.1	27.1





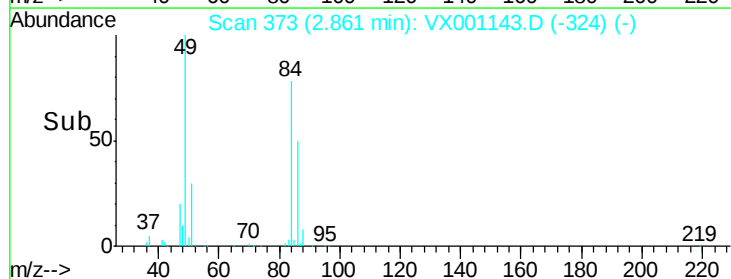
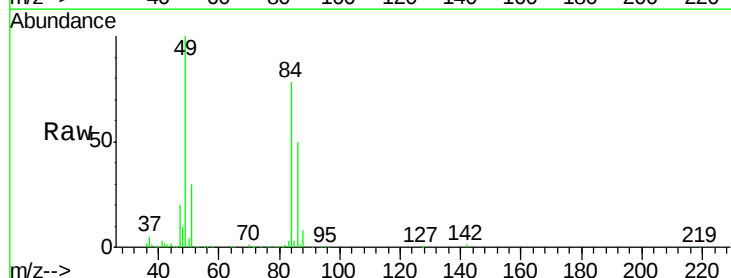
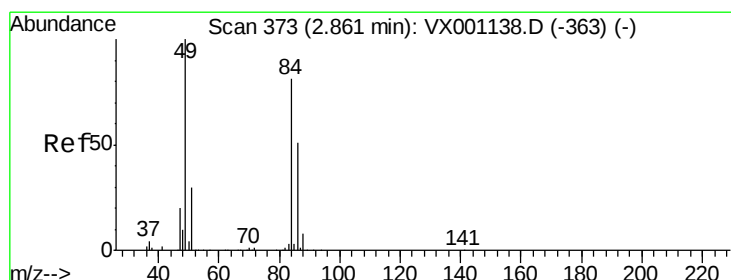
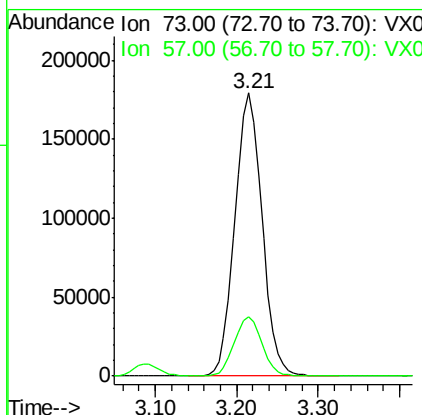
#19
Methvl tert-butvl Ether
Concen: 49.39 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tot Ion: 73 Resp: 413269
Ion Ratio Lower Upper
73 100
57 21.2 17.7 26.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

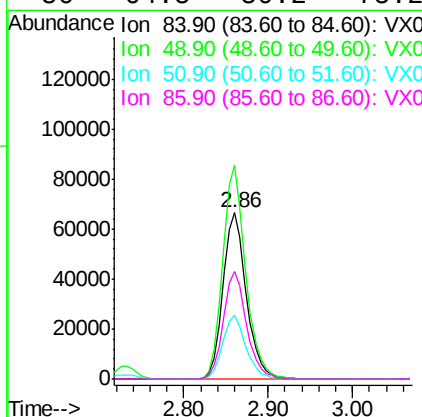
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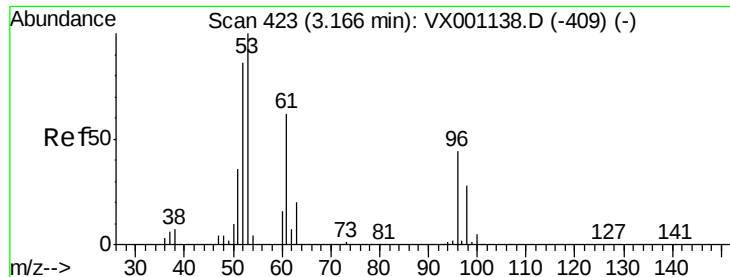
MMDadoda
4/30/2018 6:03:29 PM



#20
Methylene Chloride
Concen: 47.55 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion: 84 Resp: 126890
Ion Ratio Lower Upper
84 100
49 128.8 99.2 148.8
51 38.9 29.5 44.3
86 64.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 48.21 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

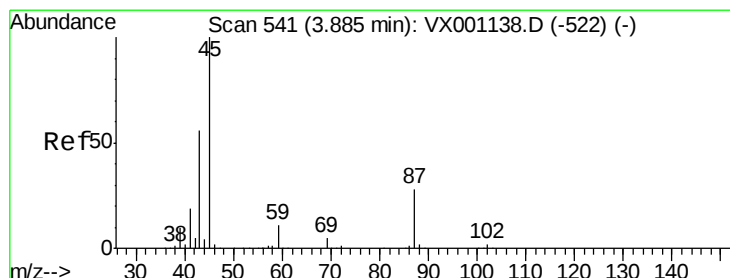
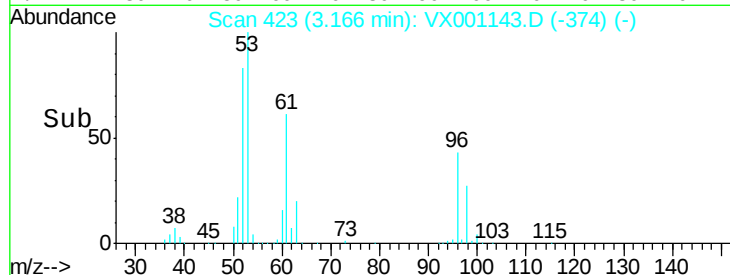
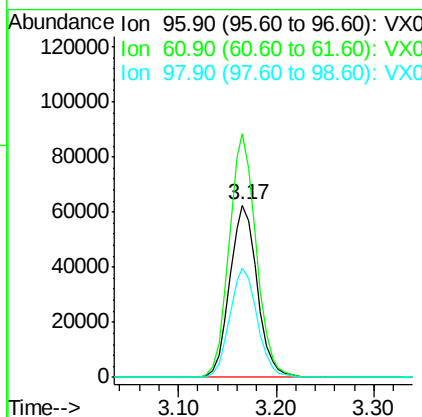
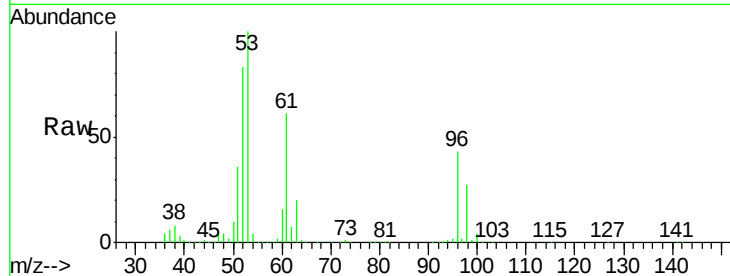
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	121123
Ion	Ratio	Lower	Upper
96	100		
61	141.1	111.9	167.9
98	63.4	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.86 ug/l

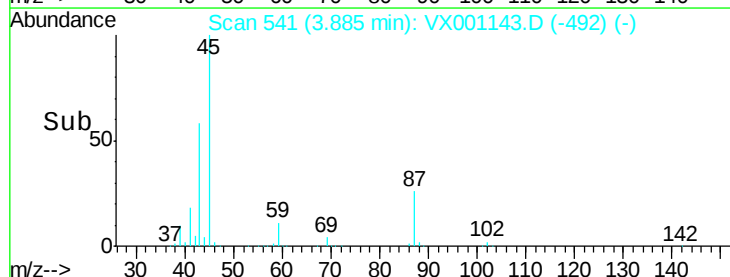
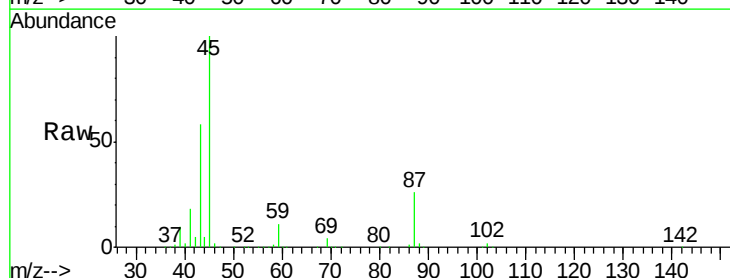
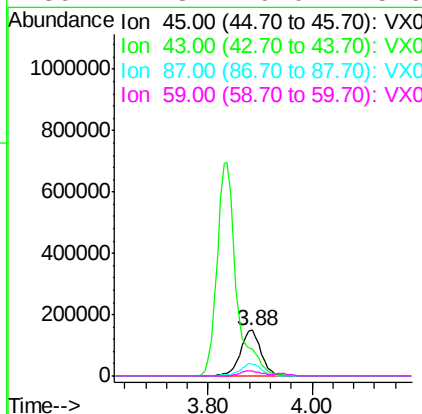
RT: 3.88 min Scan# 541

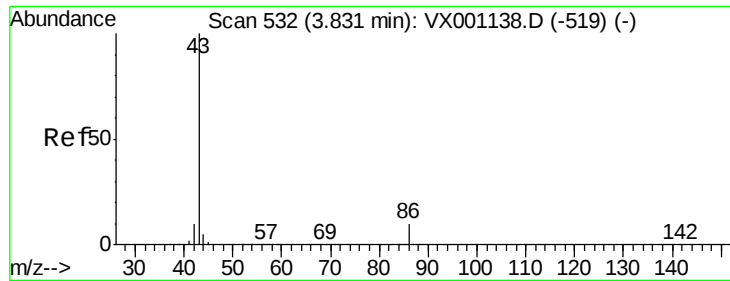
Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Tgt Ion:	45	Resp:	413593
Ion	Ratio	Lower	Upper
45	100		
43	57.6	45.0	67.4
87	26.1	22.8	34.2
59	11.3	9.0	13.6





#23

Vinyl Acetate

Concen: 257.62 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1813117

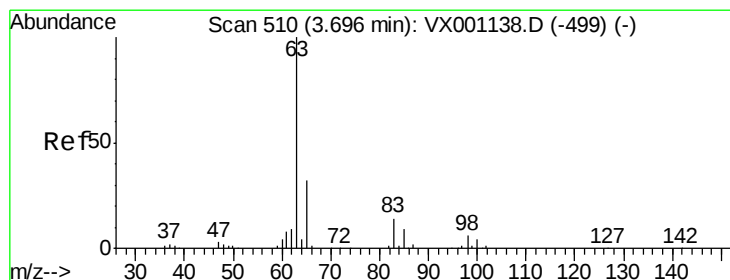
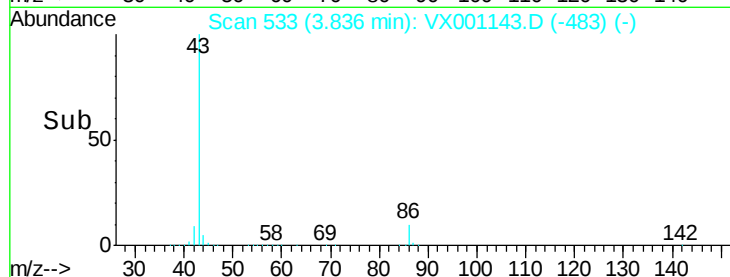
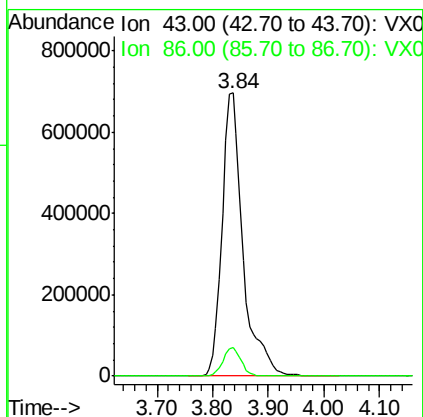
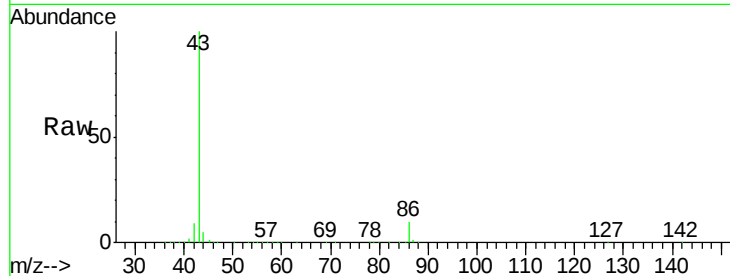
Ion Ratio Lower Upper

43 100

86 9.9 8.0 12.0

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#24

1,1-Dichloroethane

Concen: 48.50 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

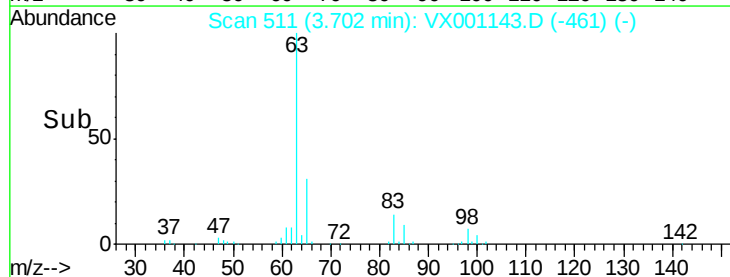
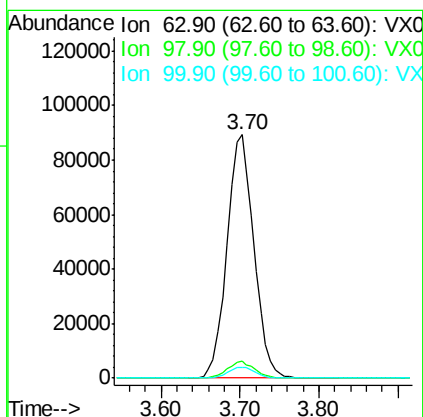
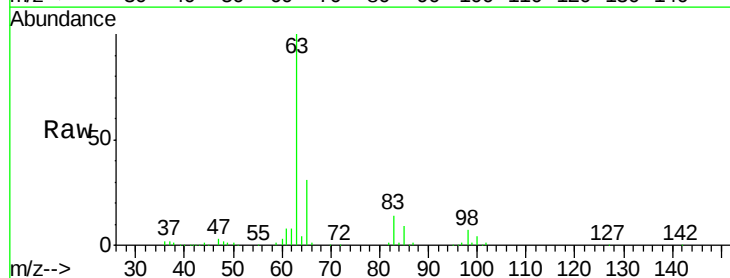
Tgt Ion: 63 Resp: 211473

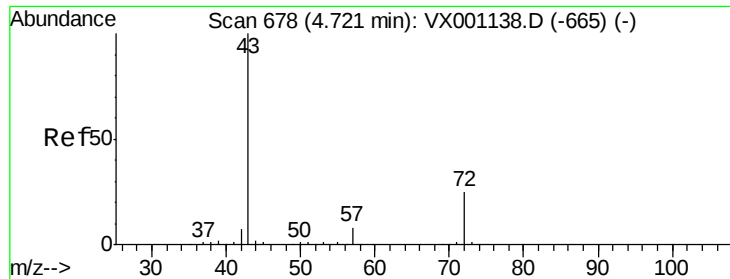
Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 237.69 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 509530

Ion Ratio Lower Upper

43 100

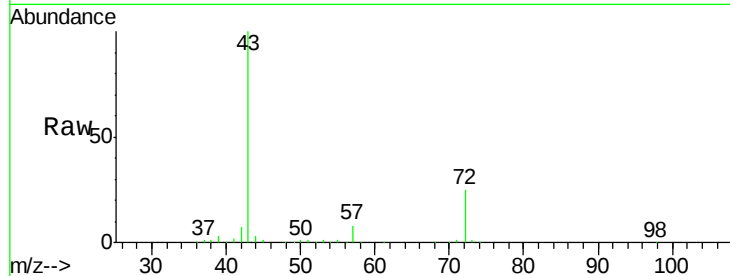
72 24.7 20.0 30.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

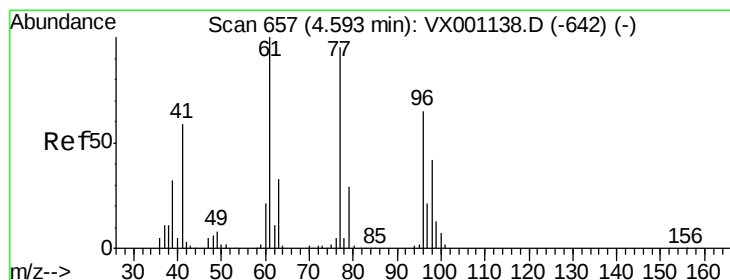
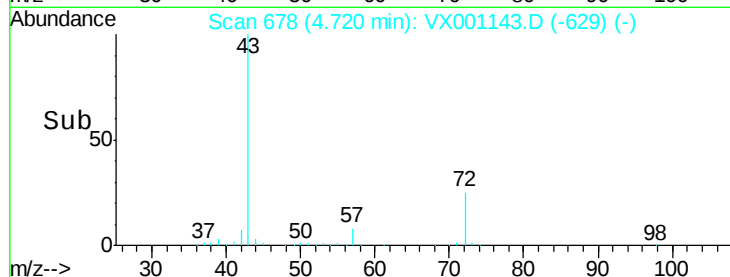
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.51 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001143.D

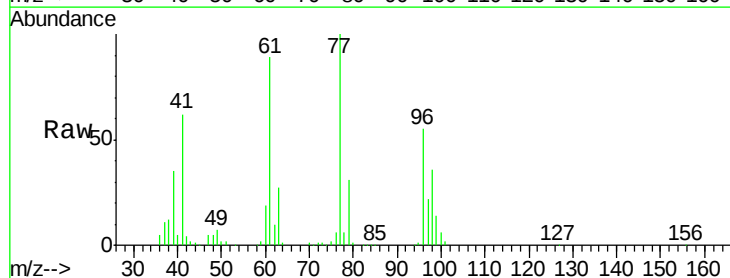
Acq: 26 Apr 2018 22:11

Tgt Ion: 77 Resp: 159620

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

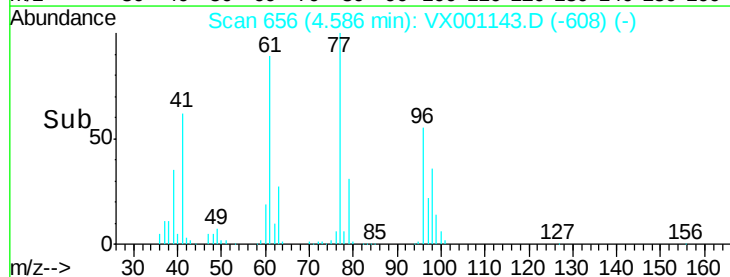
20000

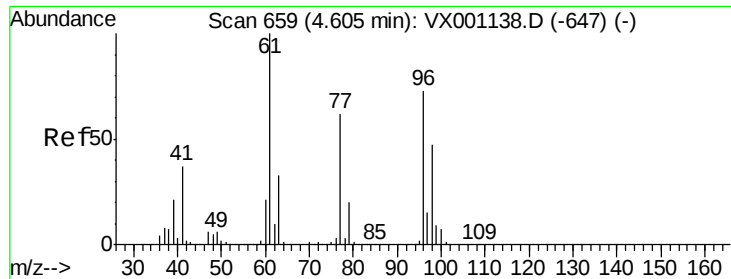
10000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.35 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001143.D

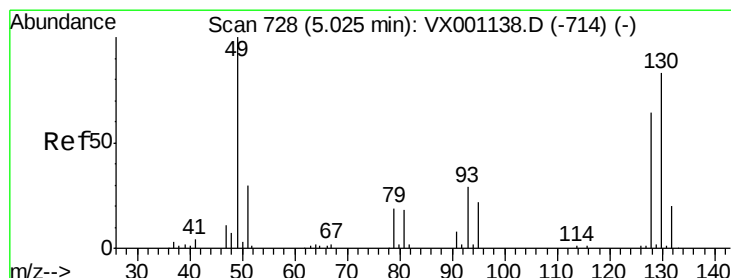
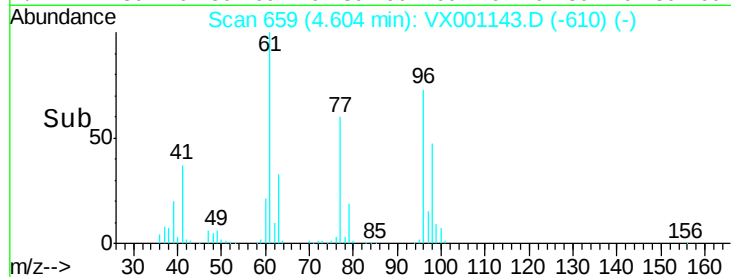
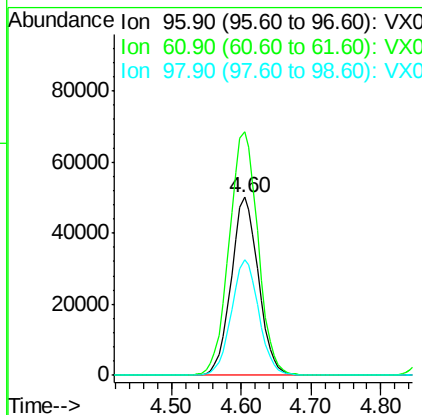
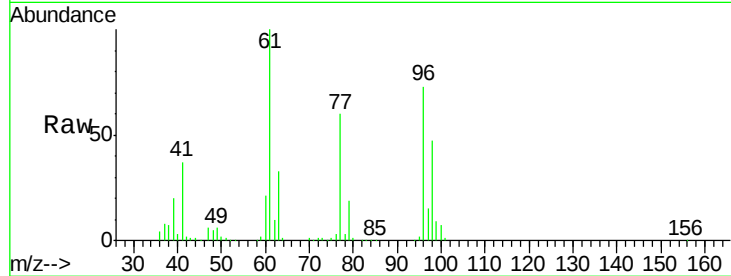
Acq: 26 Apr 2018 22:11

Tot Ion:	96	Resp:	135772
Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	289.0
98	65.4	0.0	128.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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#28

Bromochloromethane

Concen: 52.11 ug/l

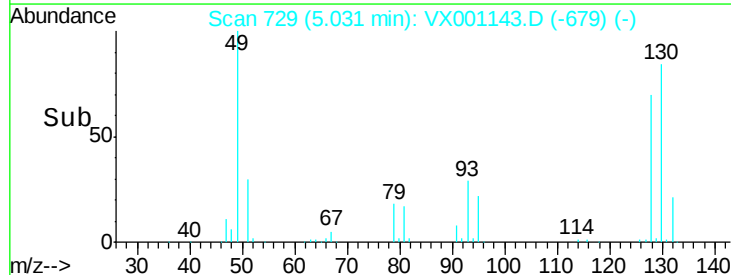
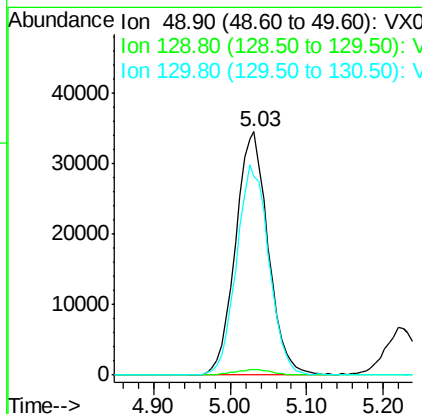
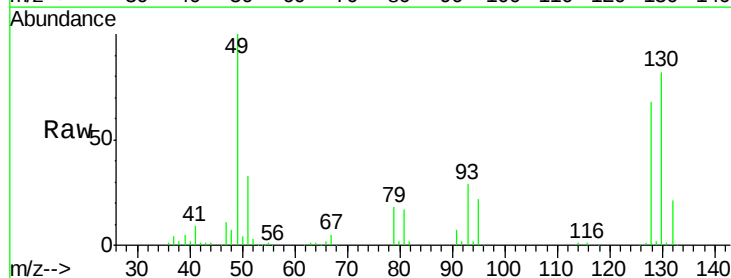
RT: 5.03 min Scan# 729

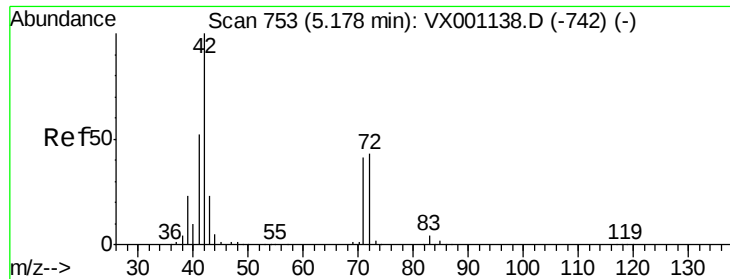
Delta R.T. 0.01 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Tgt Ion:	49	Resp:	101881
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	85.7	68.2	102.2





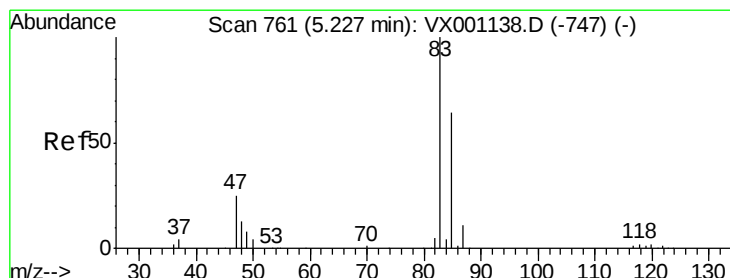
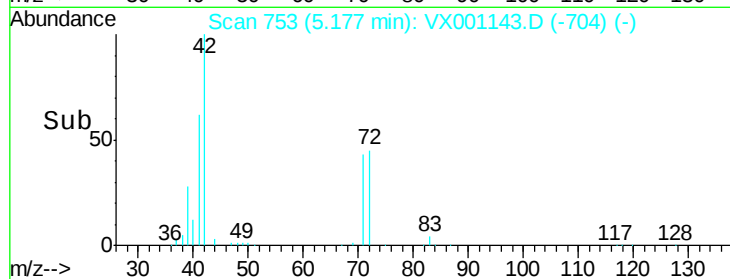
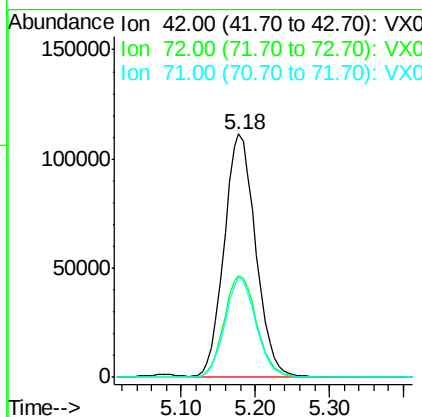
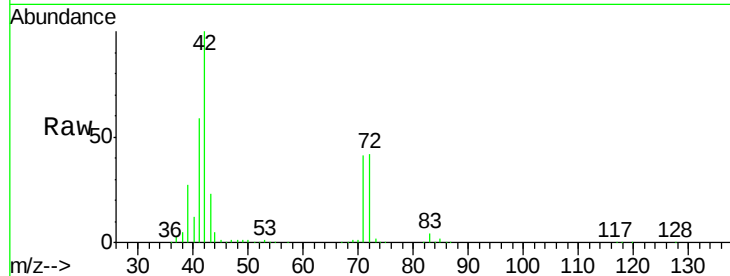
#29
Tetrahydrofuran
Concen: 238.45 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.4	51.6
71	40.6	32.1	48.1

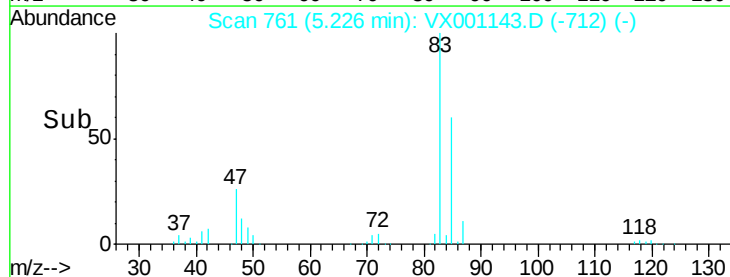
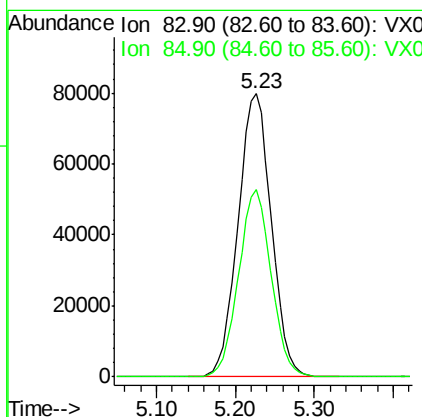
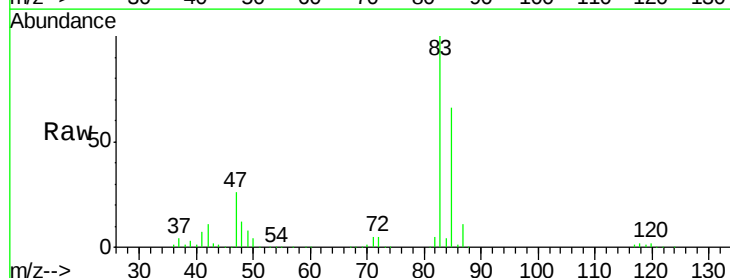
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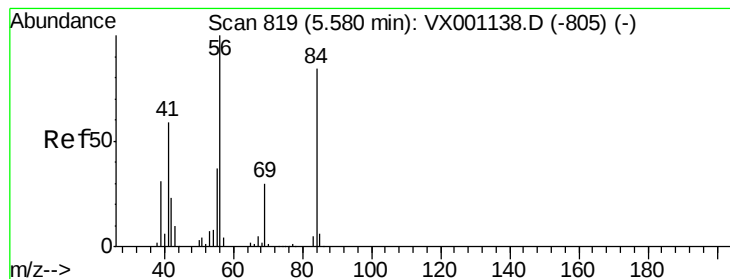
MMDadoda
4/30/2018 6:03:29 PM



#30
Chloroform
Concen: 50.52 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.4	77.0





#31

Cyclohexane

Concen: 50.58 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

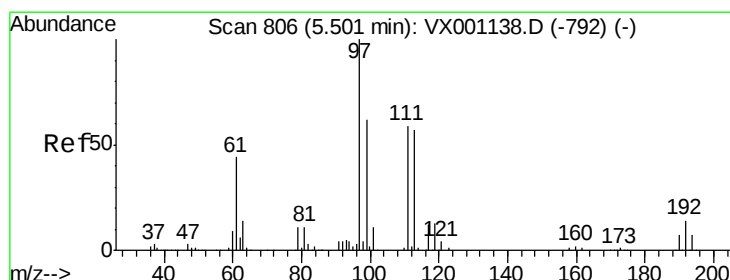
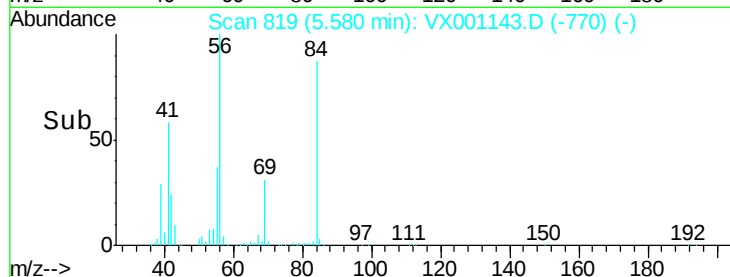
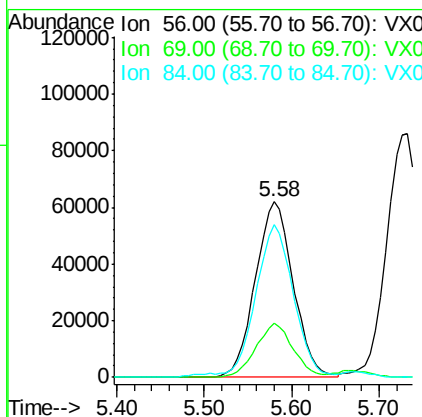
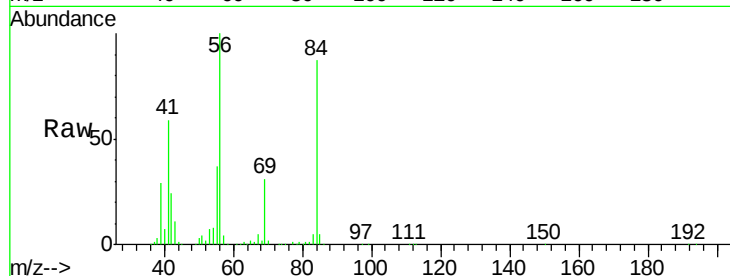
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	187358
Ion Ratio	Lower	Upper	
56	100		
69	30.6	24.2	36.2
84	85.6	67.5	101.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.28 ug/l

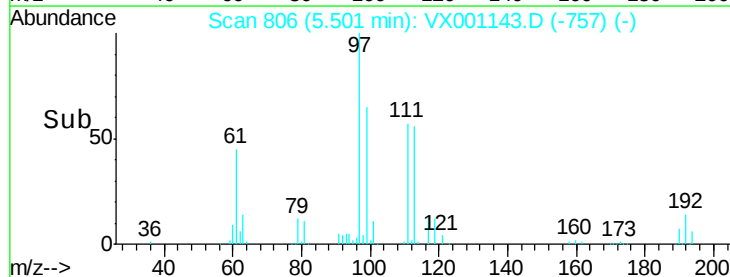
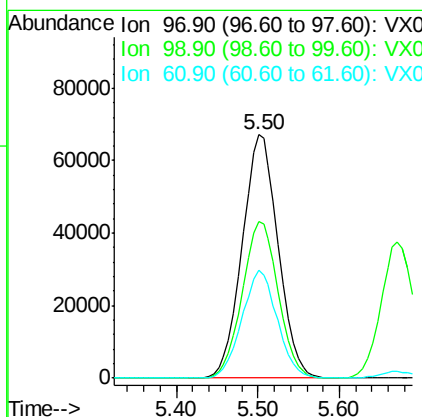
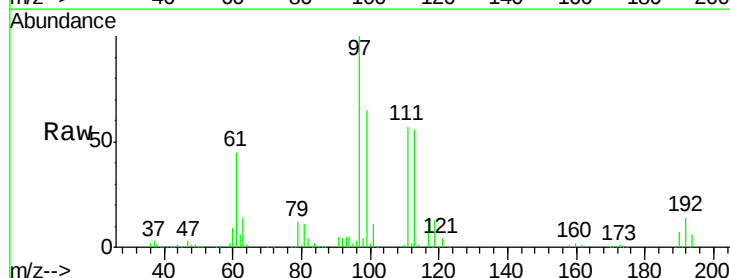
RT: 5.50 min Scan# 806

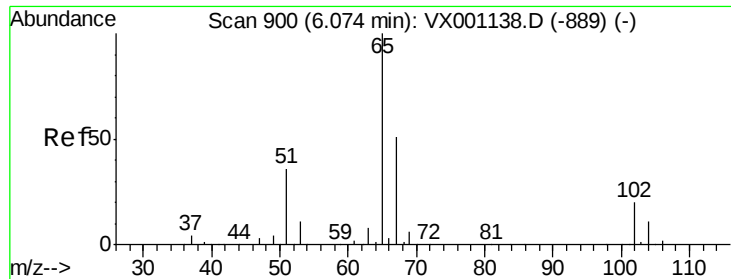
Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Tgt Ion:	97	Resp:	205235
Ion Ratio	Lower	Upper	
97	100		
99	64.6	50.9	76.3
61	43.9	35.0	52.6





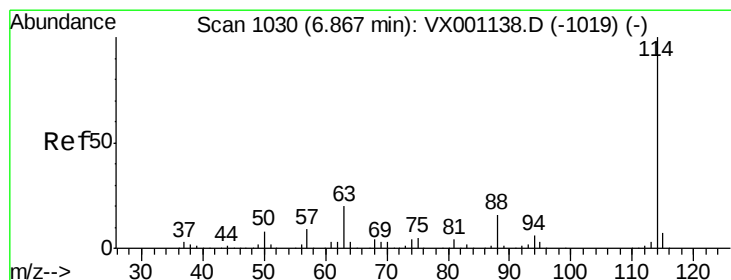
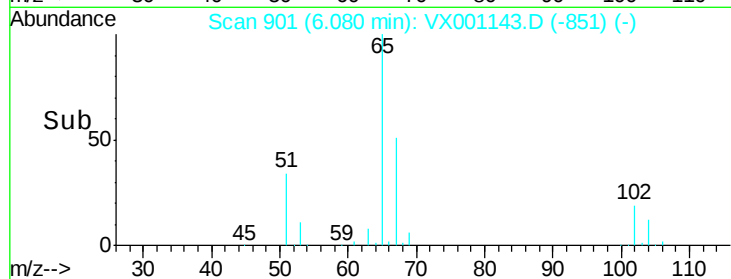
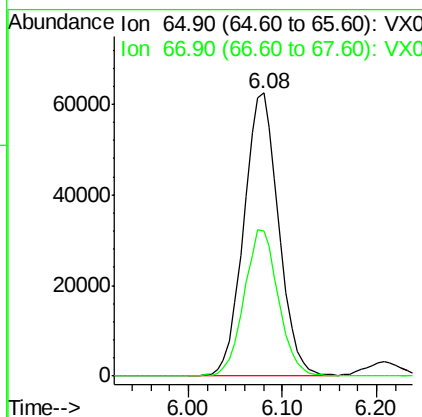
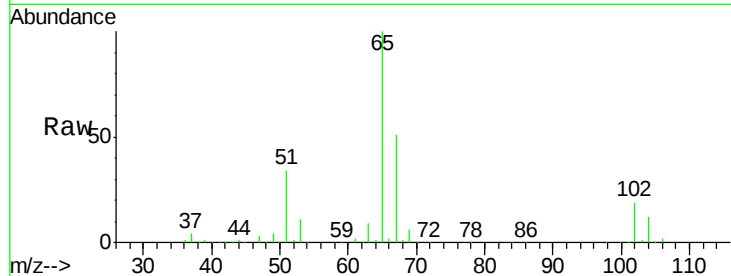
#33
 1,2-Dichloroethane-d4
 Concen: 46.48 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	161952		
67	51.0	0.0	102.2	

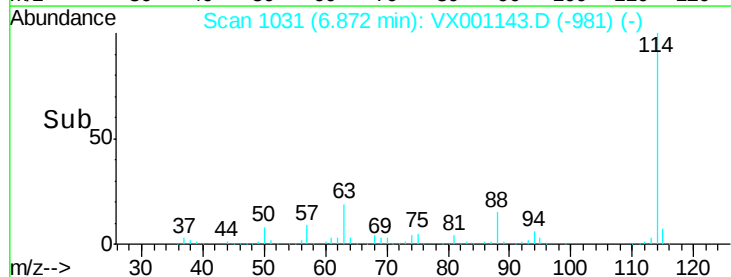
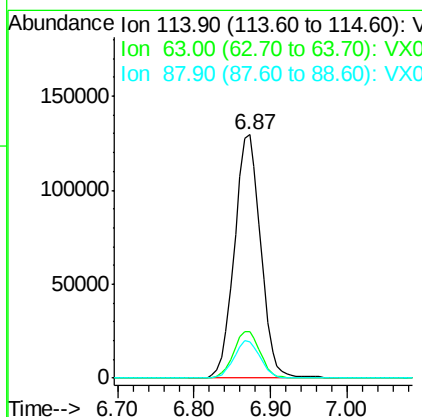
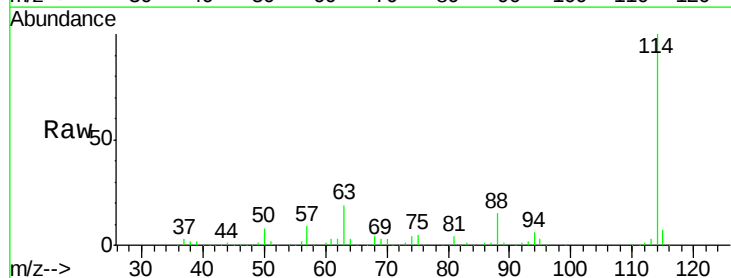
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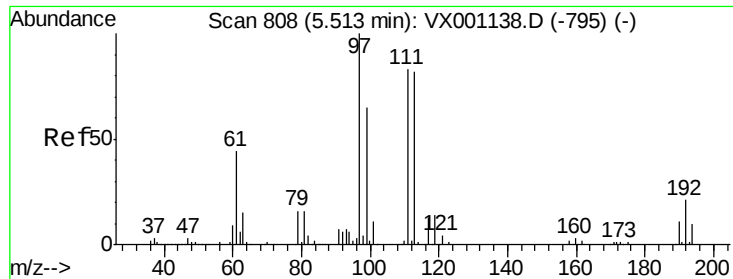
MMDadoda
 4/30/2018 6:03:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	307461		
63	19.0	0.0	40.4	
88	14.9	0.0	31.8	





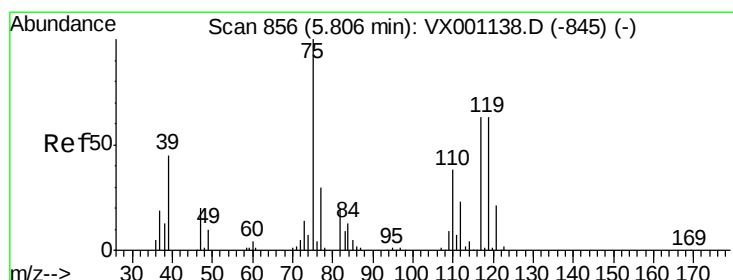
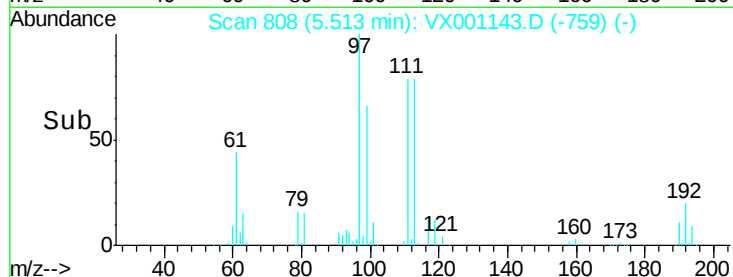
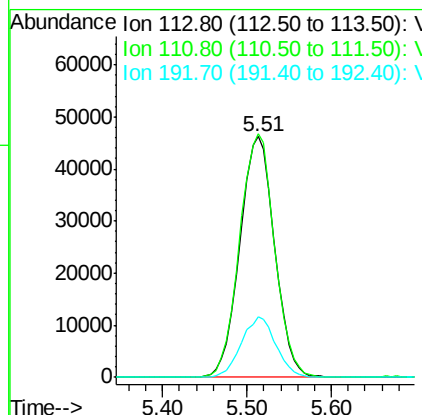
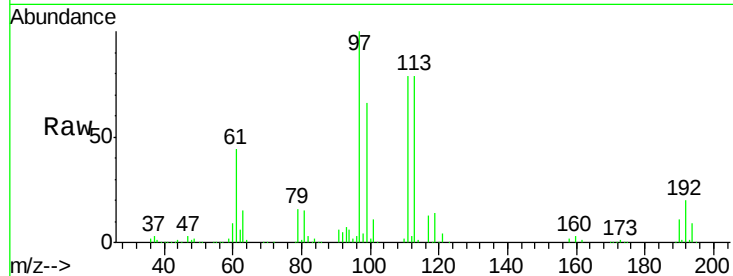
#35
 Dibromofluoromethane
 Concen: 50.69 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129004		
111	101.7	82.2	123.4	
192	25.0	20.6	30.8	

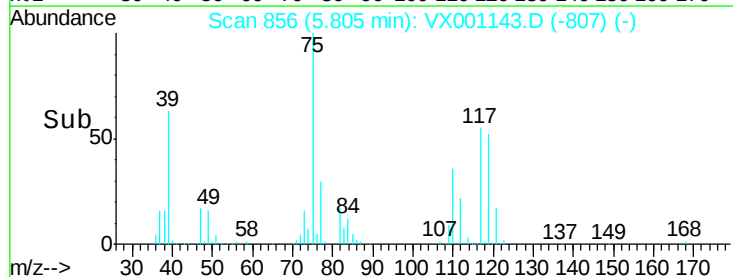
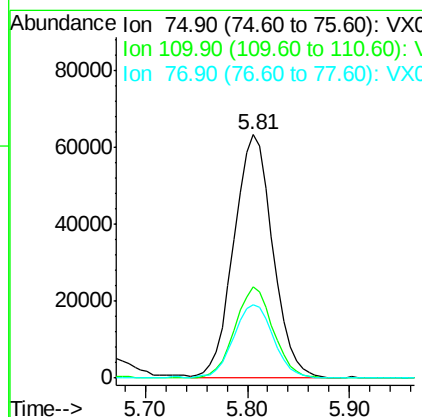
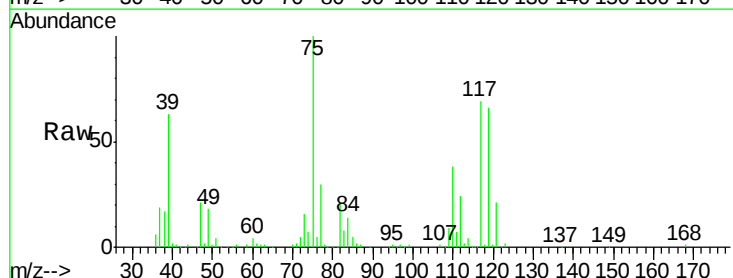
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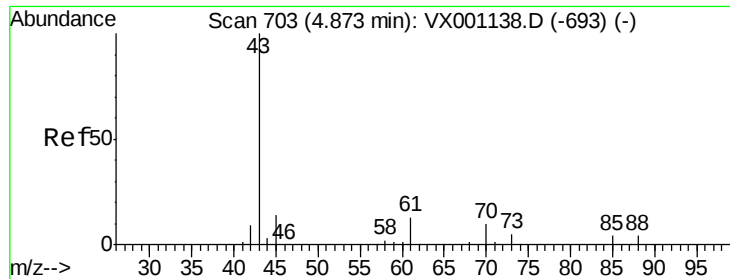
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.29 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	166994		
110	37.1	19.0	57.0	
77	31.2	24.8	37.2	





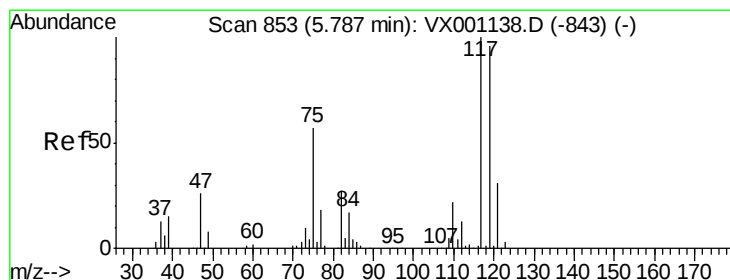
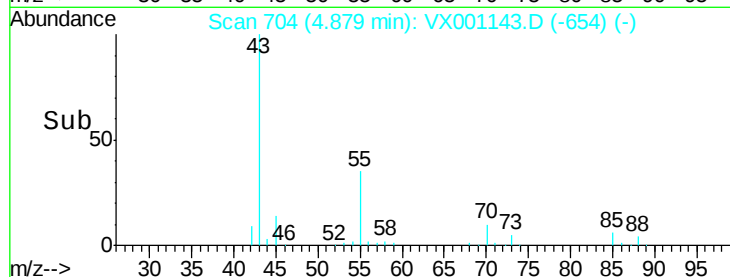
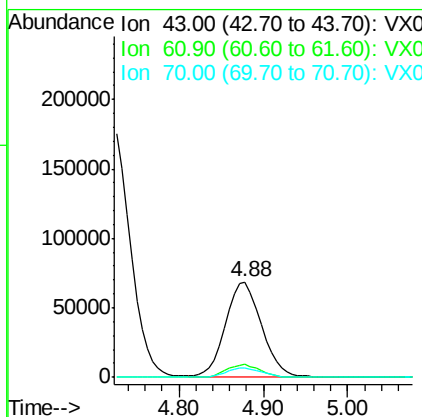
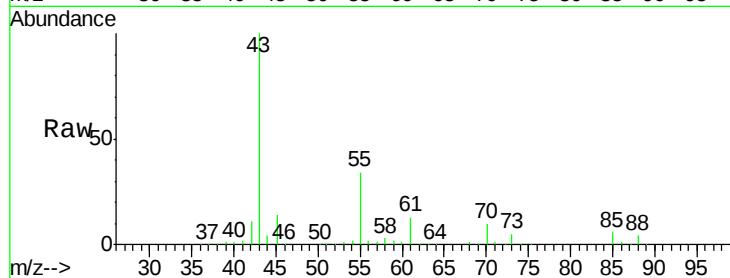
#37
Ethyl Acetate
Concen: 49.28 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	199945
Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.6
70	10.1	8.2	12.2

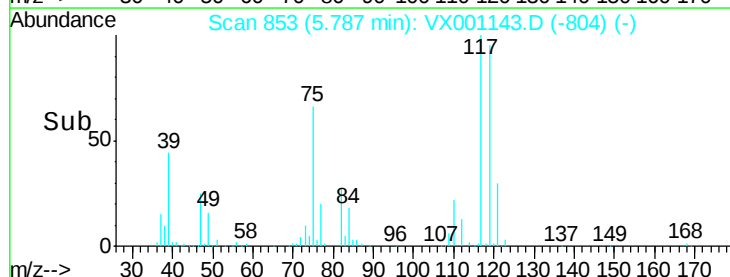
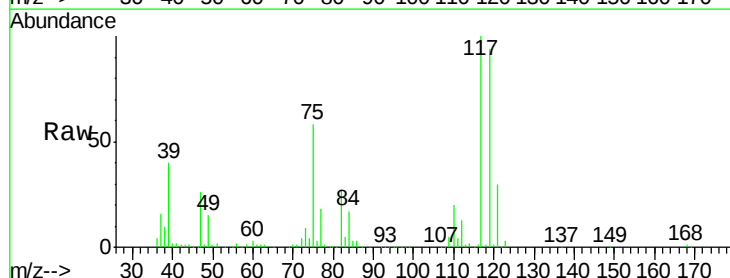
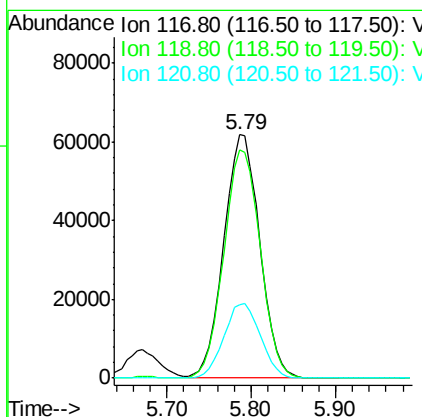
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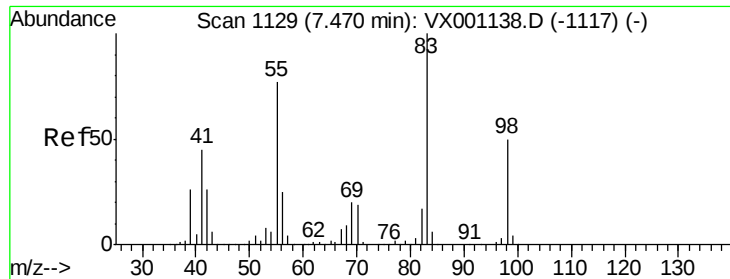
MMDadoda
4/30/2018 6:03:29 PM



#38
Carbon Tetrachloride
Concen: 51.72 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion:	117	Resp:	179695
Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.5	114.7
121	30.2	24.6	37.0





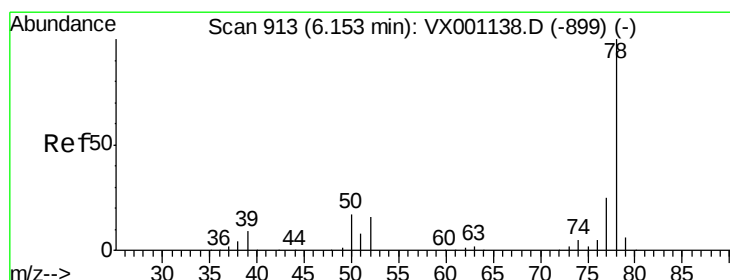
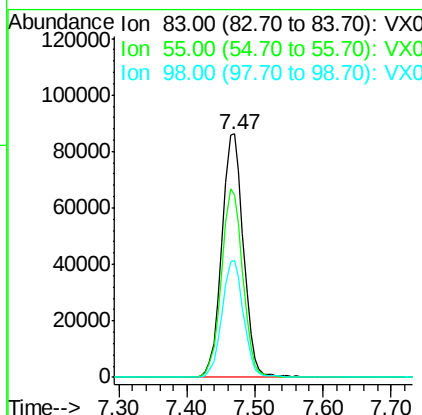
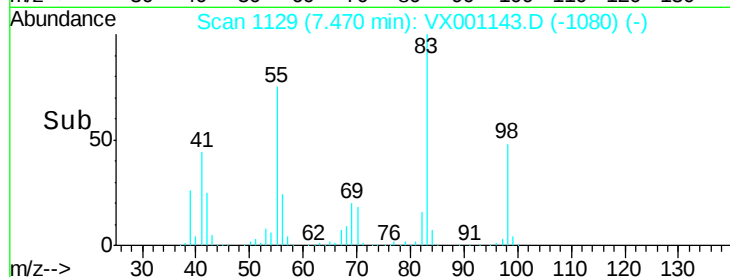
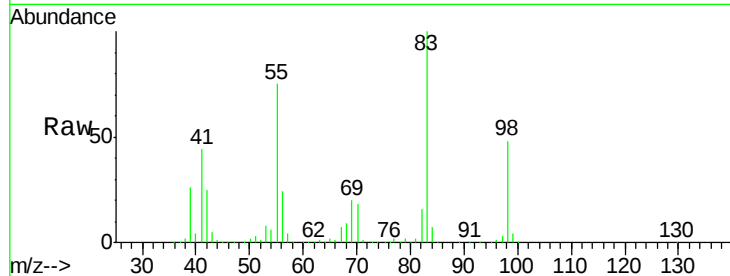
#39
Methvlcvclohexane
Concen: 50.88 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	190789		
55	75.1		61.8	92.6
98	47.9		40.0	60.0

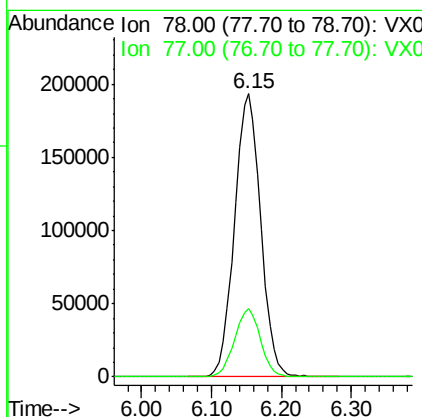
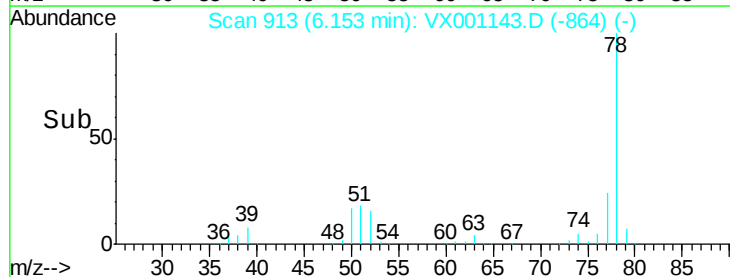
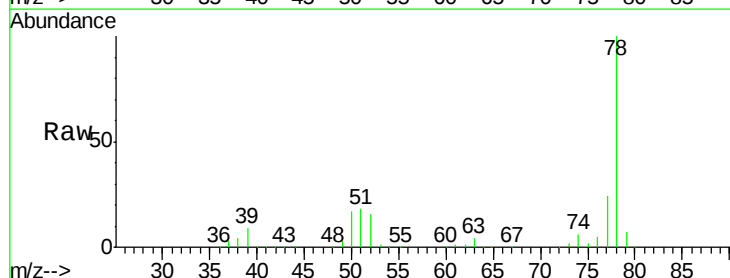
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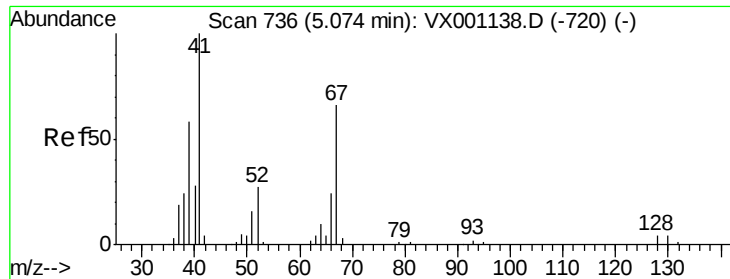
MMDadoda
4/30/2018 6:03:29 PM



#40
Benzene
Concen: 51.34 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	503223		
77	24.1		19.7	29.5





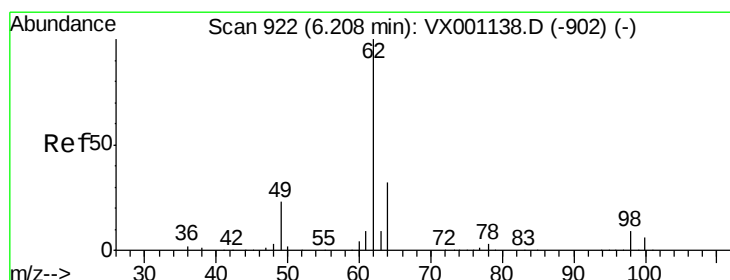
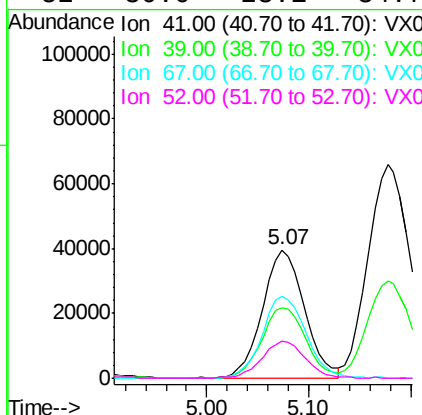
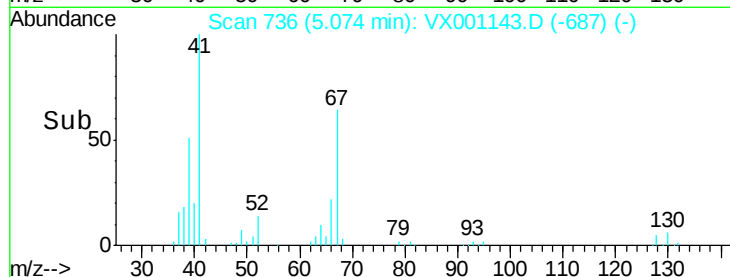
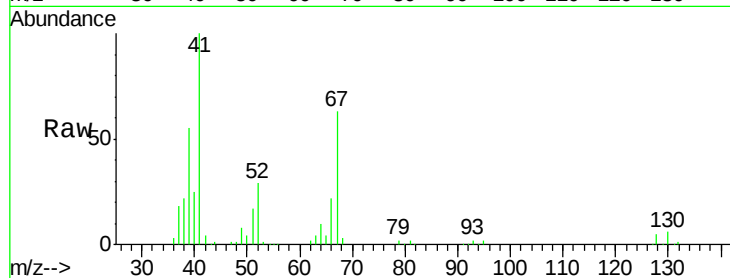
#41
Methacrylonitrile
Concen: 49.59 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		113061		
39	57.1	45.9	68.9		
67	66.6	53.2	79.8		
52	30.0	23.1	34.7		

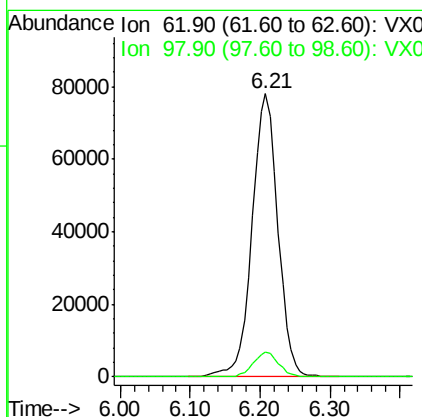
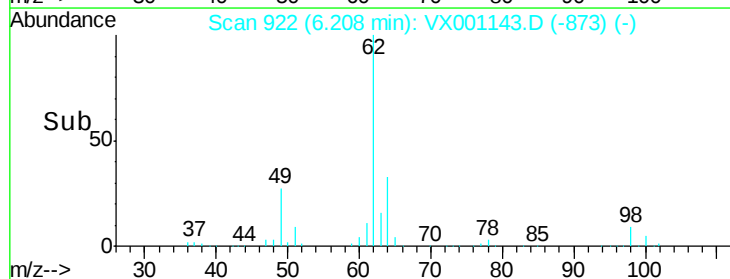
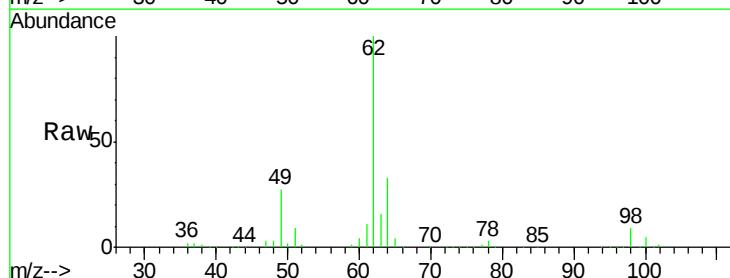
Manual Integrations
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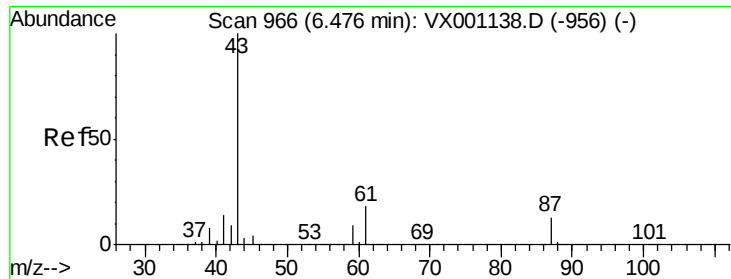
MMDadoda
4/30/2018 6:03:29 PM



#42
1,2-Dichloroethane
Concen: 50.67 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		200106		
98	8.7	0.0	17.0		





#43

Isopropyl Acetate

Concen: 51.37 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

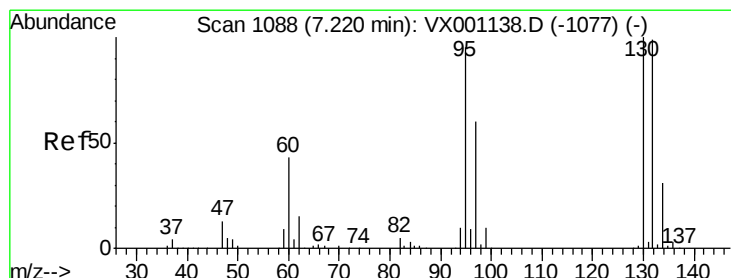
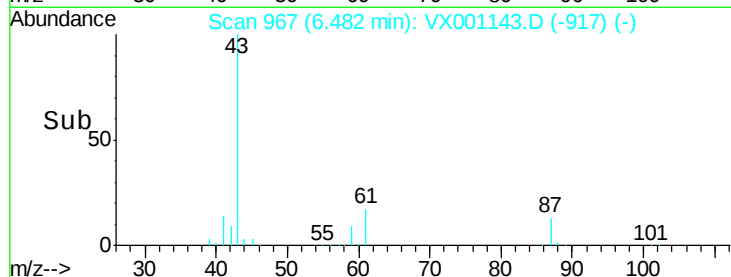
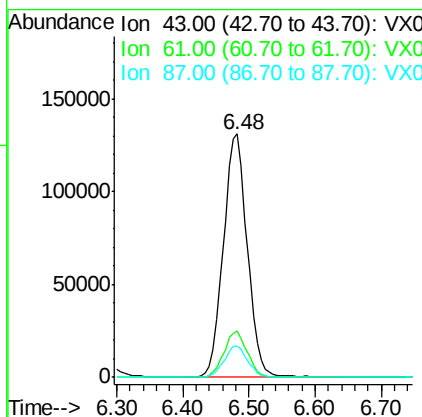
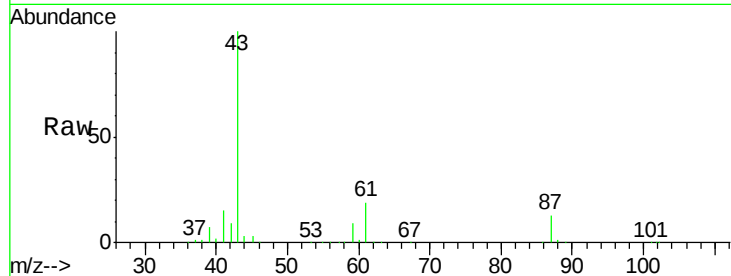
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	327333
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.0	22.6
87	12.9	10.3	15.5

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MMDadoda
4/30/2018 6:03:29 PM



#44

Trichloroethene

Concen: 50.09 ug/l

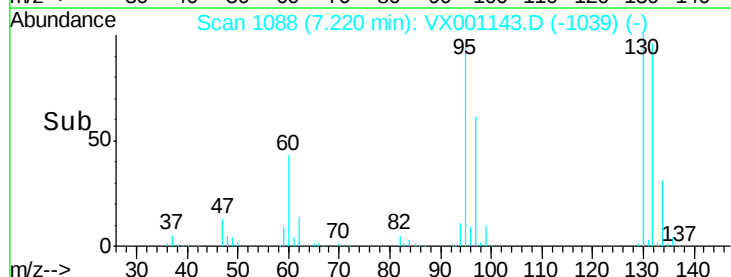
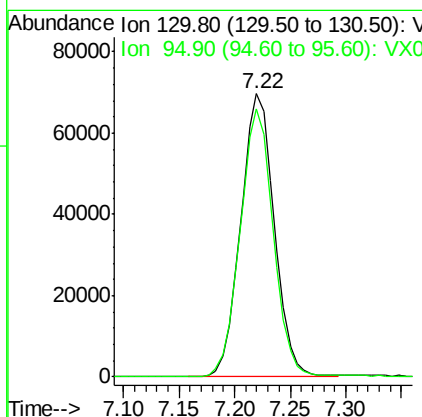
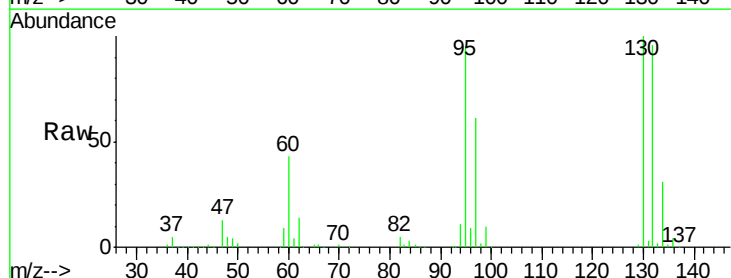
RT: 7.22 min Scan# 1088

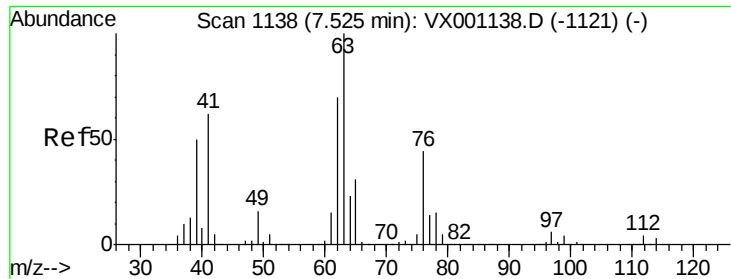
Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Tgt Ion:	130	Resp:	146271
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	189.6





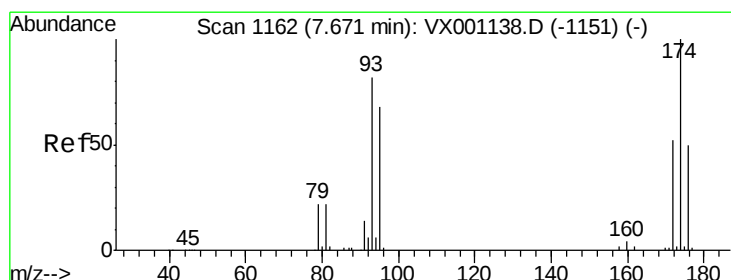
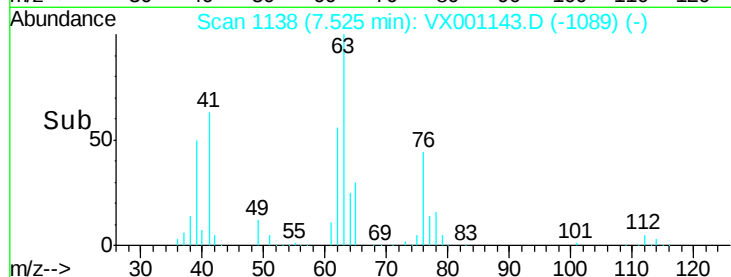
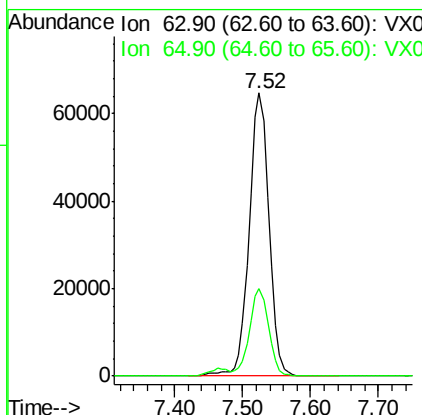
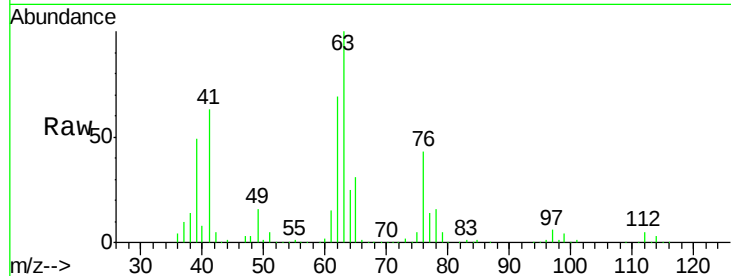
#45
 1,2-Dichloropropane
 Concen: 51.03 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.9	37.3

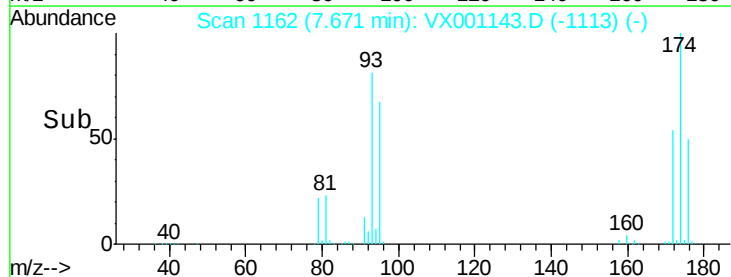
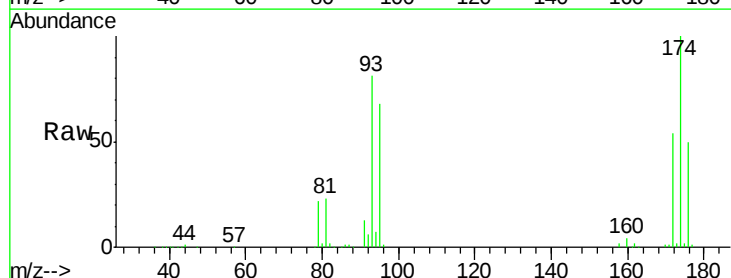
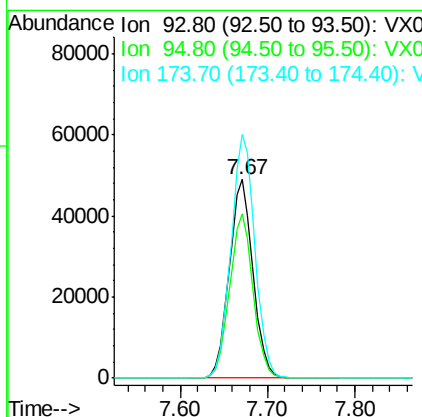
Manual Integrations
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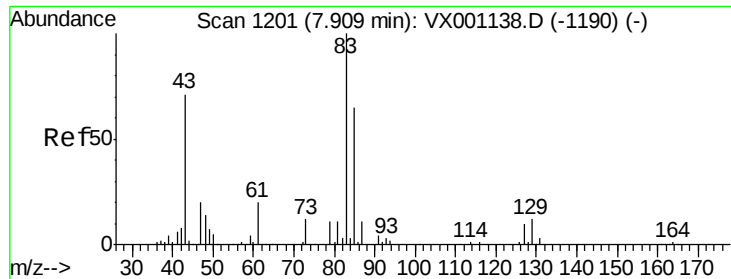
MMDadoda
 4/30/2018 6:03:29 PM



#46
 Dibromomethane
 Concen: 51.69 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.4	99.6
174	124.0	99.6	149.4





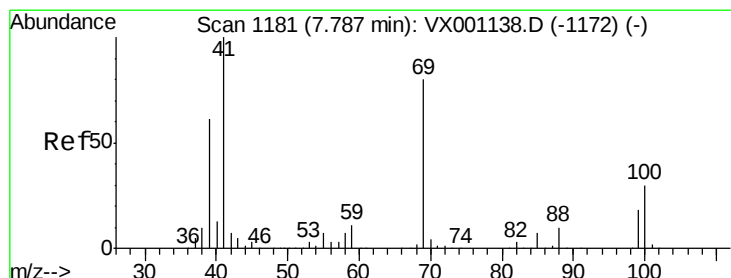
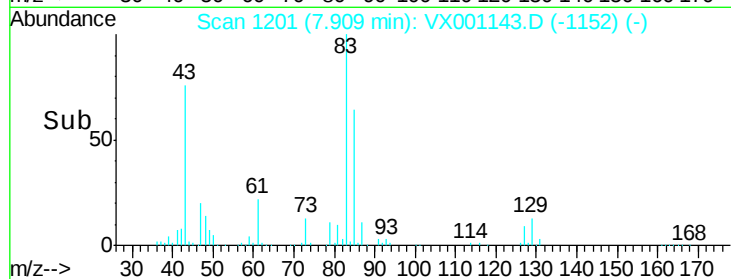
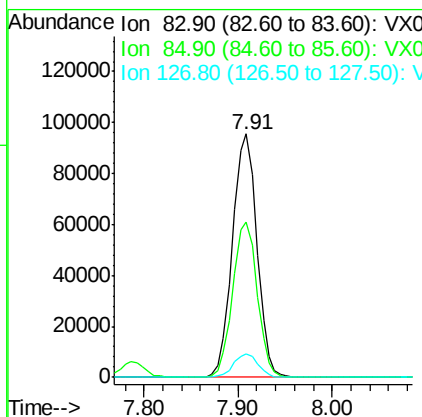
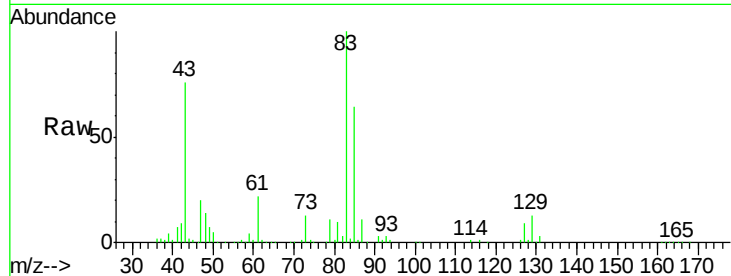
#47
Bromodichloromethane
Concen: 53.29 ug/l
RT: 7.91 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	172840
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.9	77.9
127	9.4	7.7	11.5

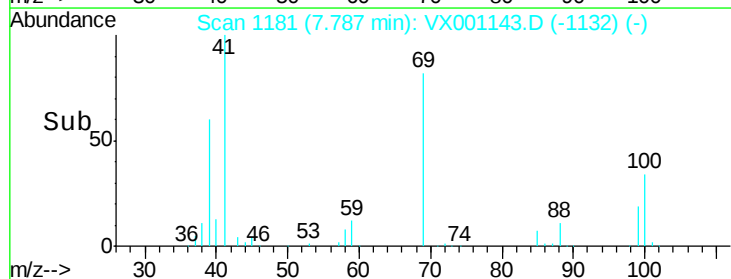
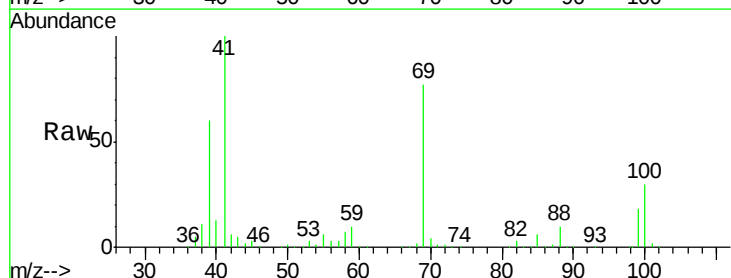
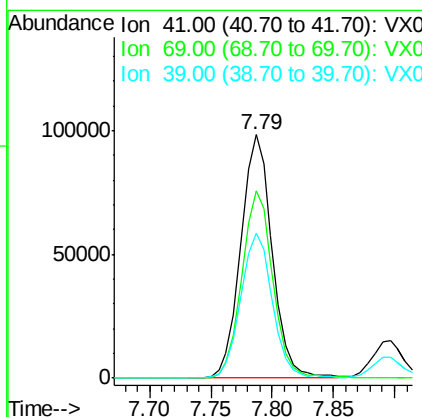
Manual Integrations
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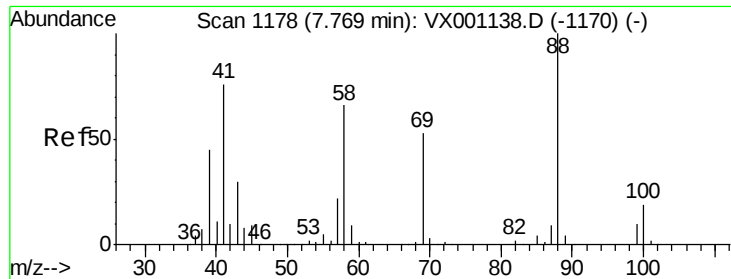
MMDadoda
4/30/2018 6:03:29 PM



#48
Methyl methacrylate
Concen: 51.55 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion	41	Resp	174609
Ion Ratio	Lower	Upper	
41	100		
69	76.7	62.4	93.6
39	60.1	48.7	73.1





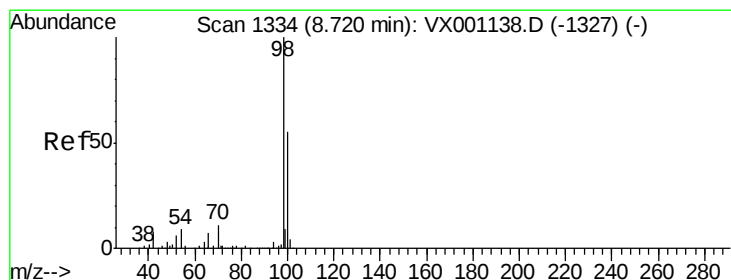
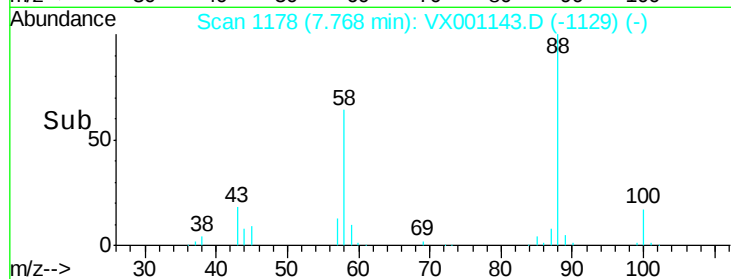
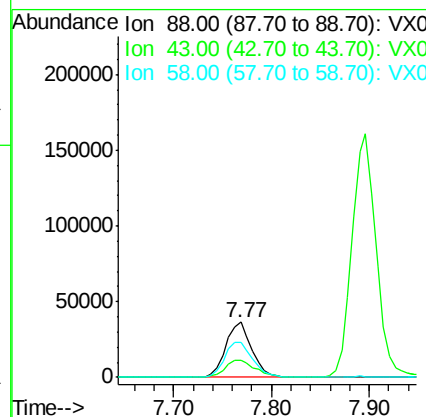
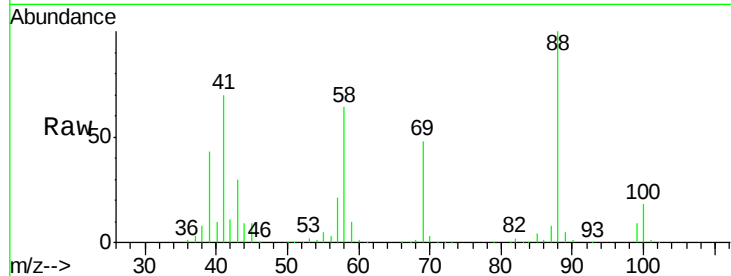
#49
1,4-Dioxane
Concen: 991.56 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	27.3	40.9
58	69.4	54.2	81.4

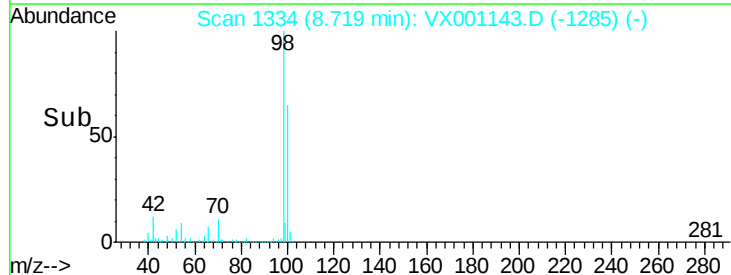
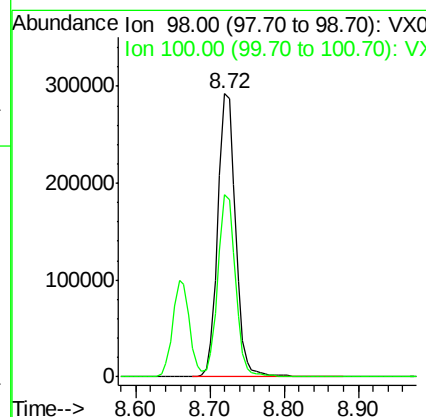
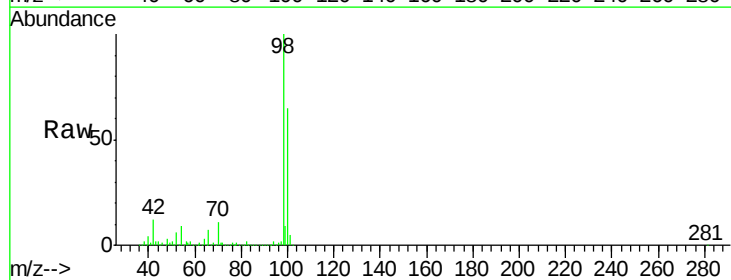
Manual Integrations
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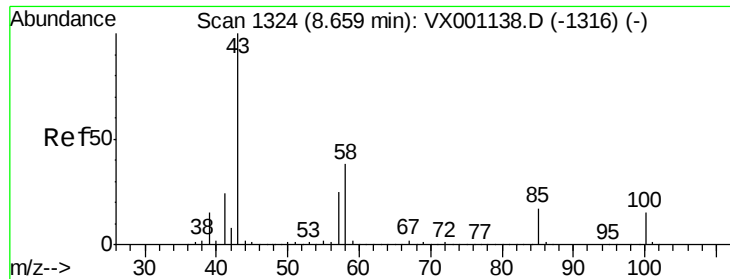
MMDadoda
4/30/2018 6:03:29 PM



#50
Toluene-d8
Concen: 49.92 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 255.02 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1067462

Ion Ratio Lower Upper

43 100

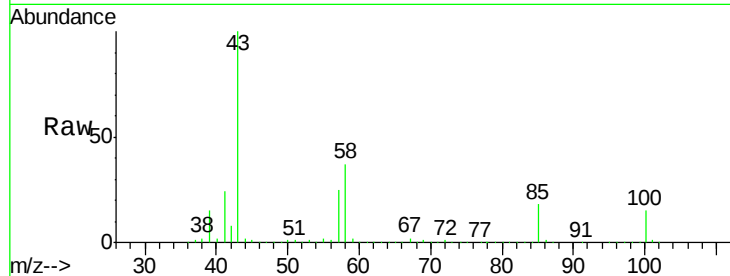
58 36.9 30.2 45.2

Manual Integrations

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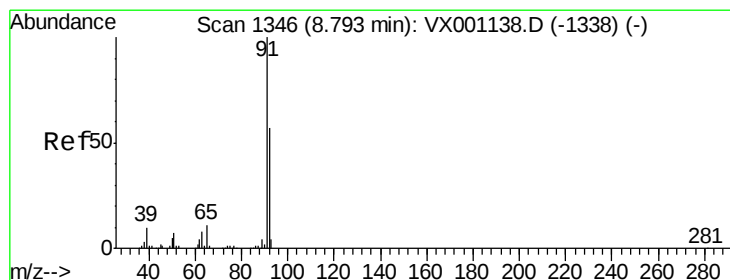
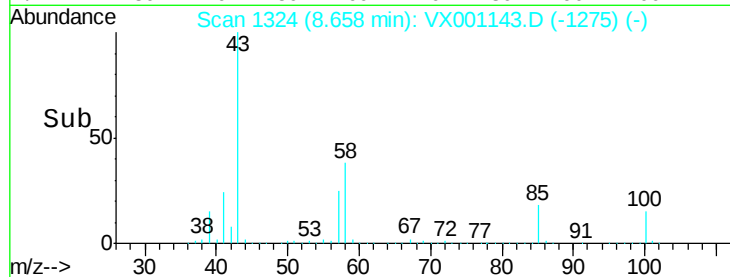
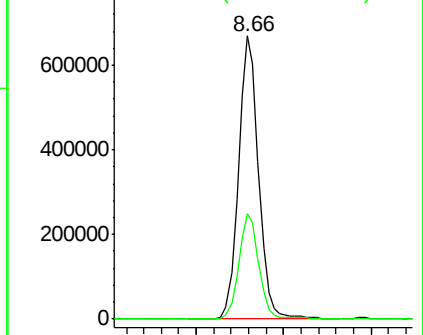
MMDadoda

4/30/2018 6:03:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.31 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001143.D

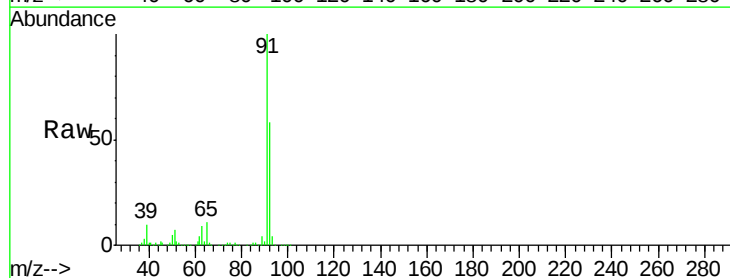
Acq: 26 Apr 2018 22:11

Tgt Ion: 92 Resp: 328836

Ion Ratio Lower Upper

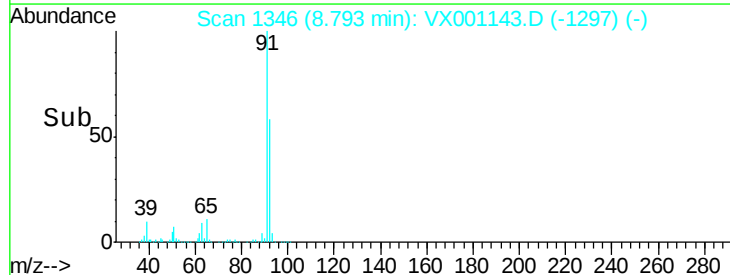
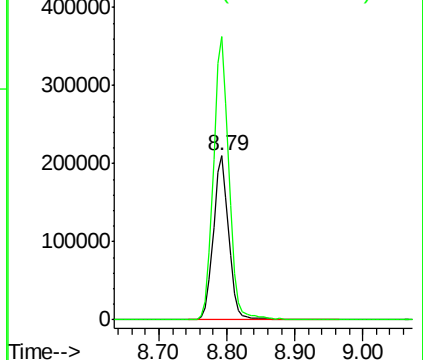
92 100

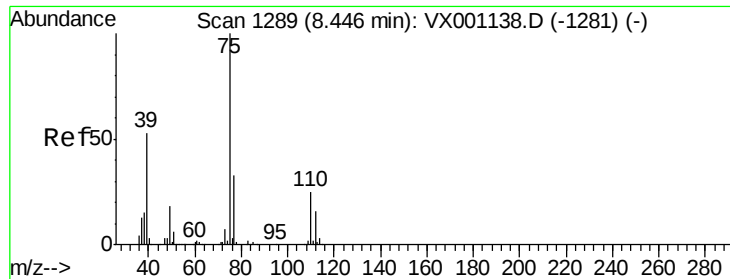
91 174.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





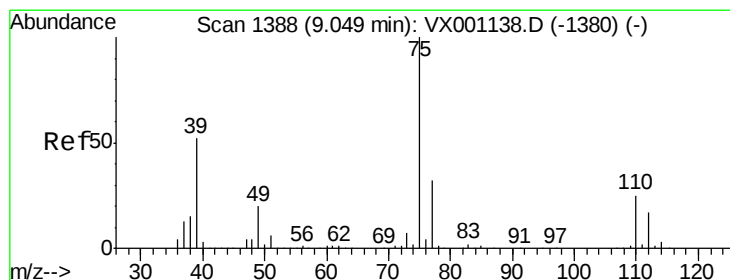
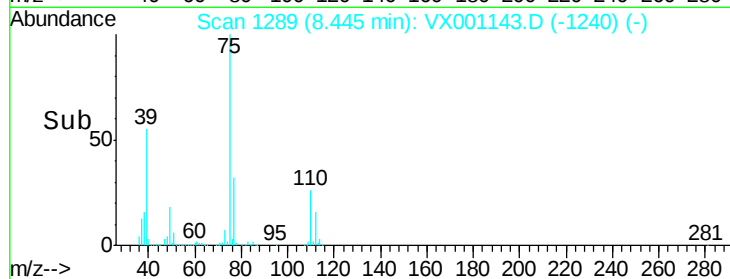
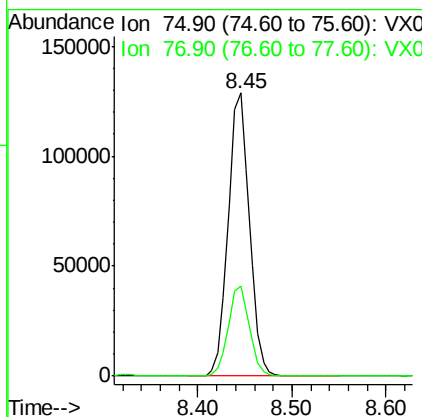
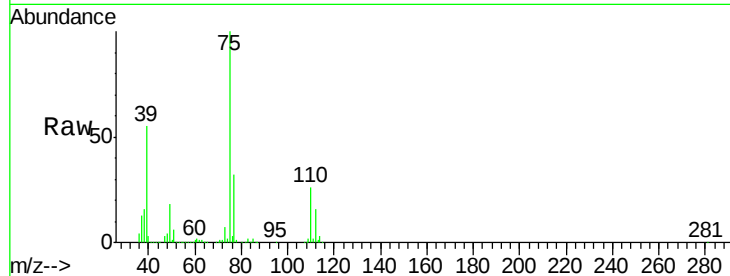
#53
 t-1,3-Dichloropropene
 Concen: 53.59 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.2	39.4

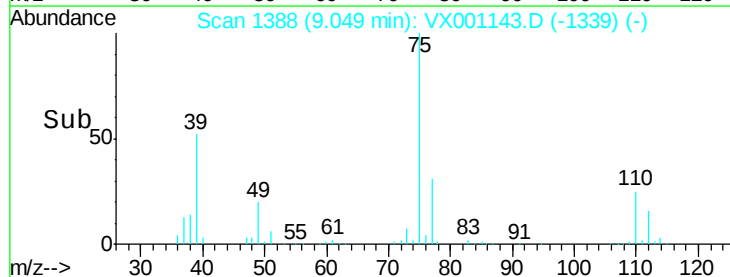
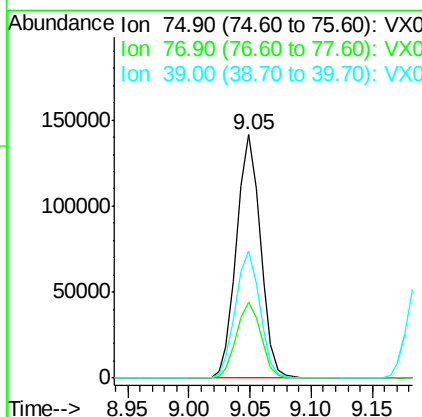
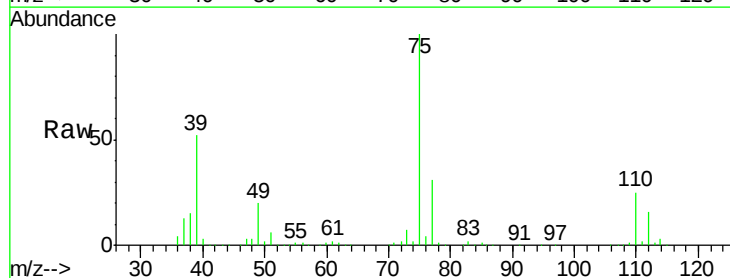
Manual Integrations
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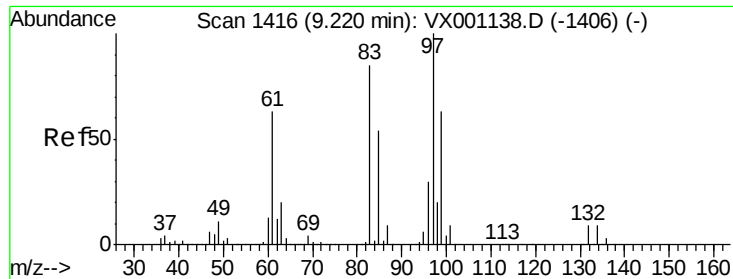
MMDadoda
 4/30/2018 6:03:29 PM



#54
 cis-1,3-Dichloropropene
 Concen: 47.19 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2
39	52.1	42.0	63.0





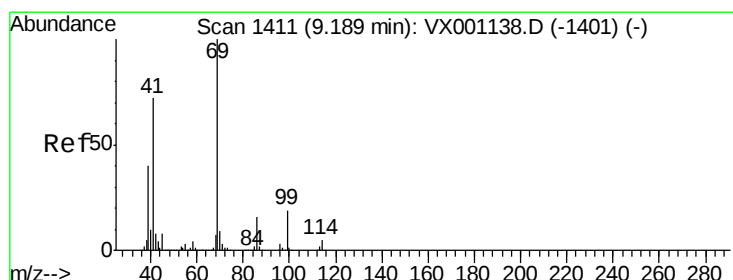
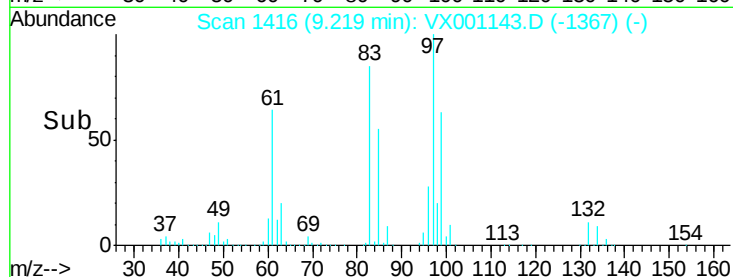
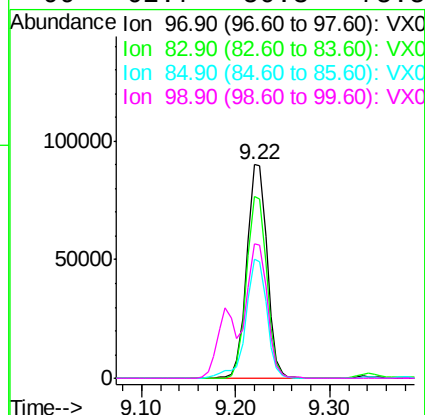
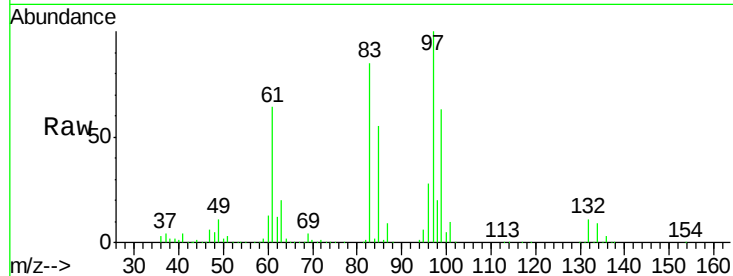
#55
 1,1,2-Trichloroethane
 Concen: 50.19 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	136099
Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.0	102.0
85	55.5	42.9	64.3
99	62.7	50.3	75.5

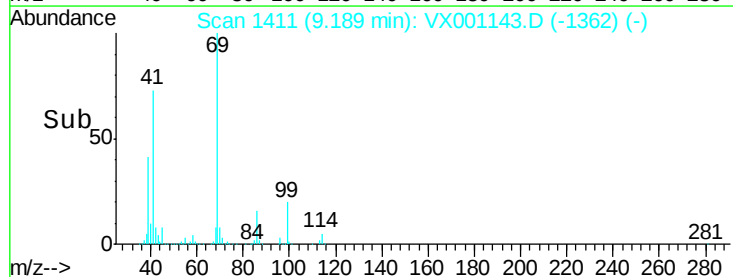
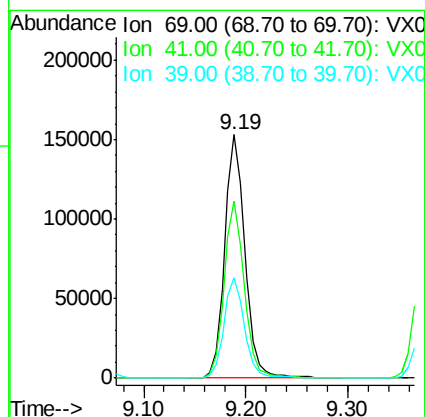
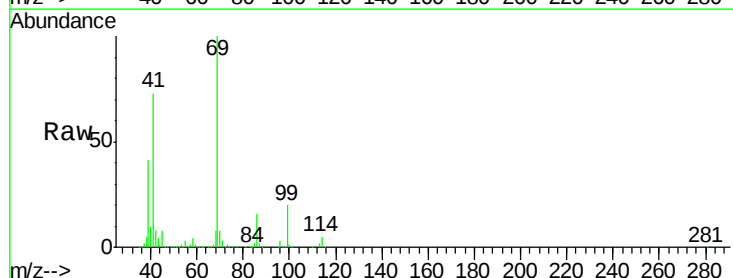
Manual Integrations
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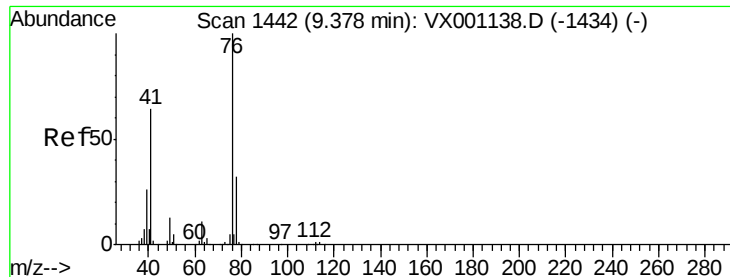
MMDadoda
 4/30/2018 6:03:29 PM



#56
 Ethyl methacrylate
 Concen: 52.64 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Tgt Ion:	69	Resp:	211485
Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.7	86.5
39	41.6	33.3	49.9





#57

1,3-Dichloropropane

Concen: 51.01 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 223749

Ion Ratio Lower Upper

76 100

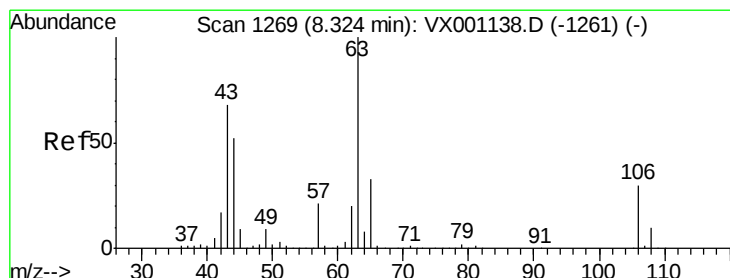
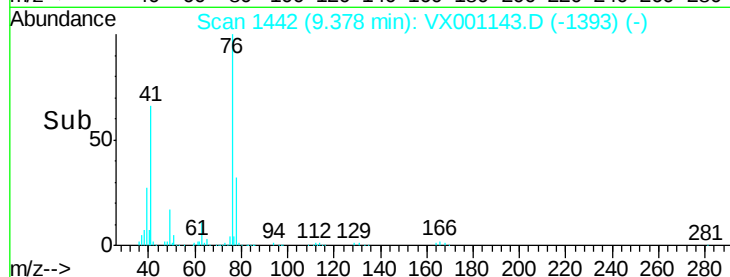
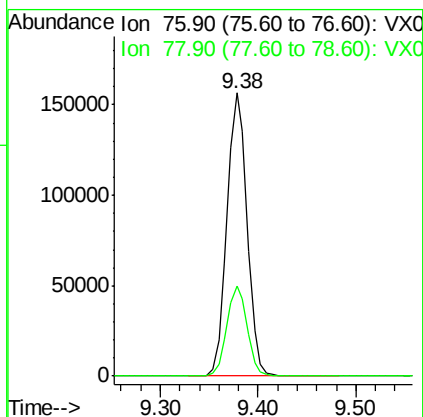
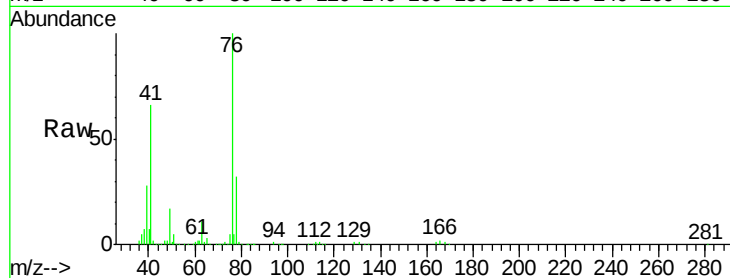
78 32.1 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

4/30/2018 6:03:29 PM



#58

2-Chloroethyl Vinyl ether

Concen: 257.64 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX001143.D

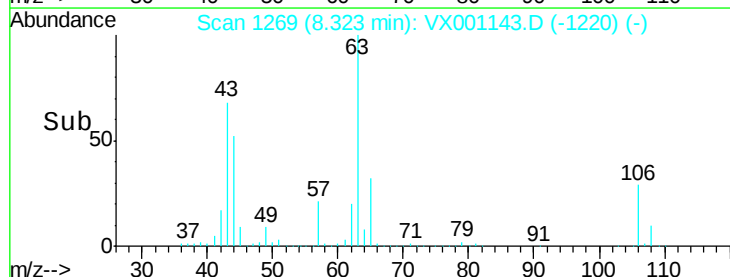
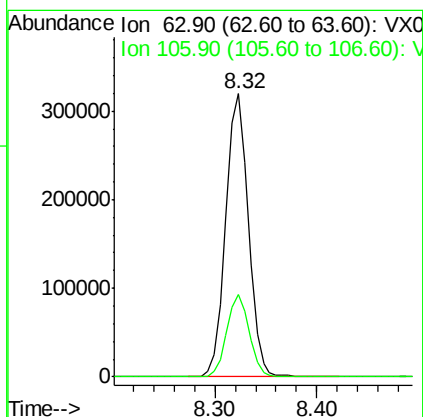
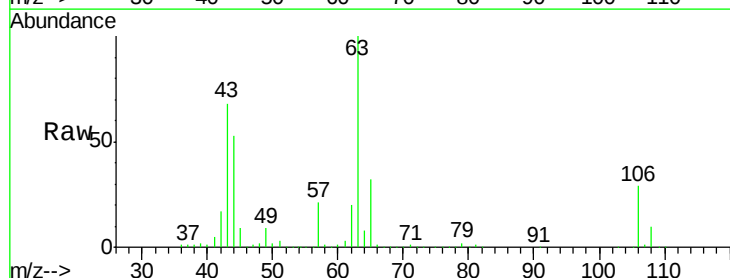
Acq: 26 Apr 2018 22:11

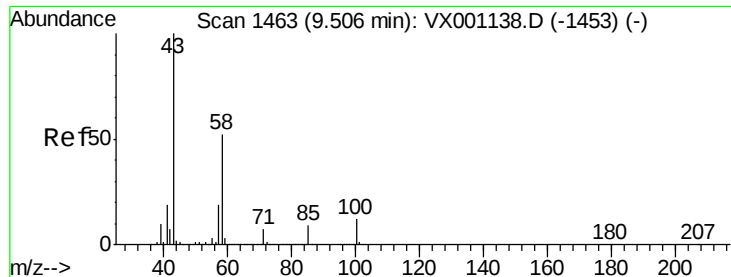
Tgt Ion: 63 Resp: 489353

Ion Ratio Lower Upper

63 100

106 29.0 23.7 35.5





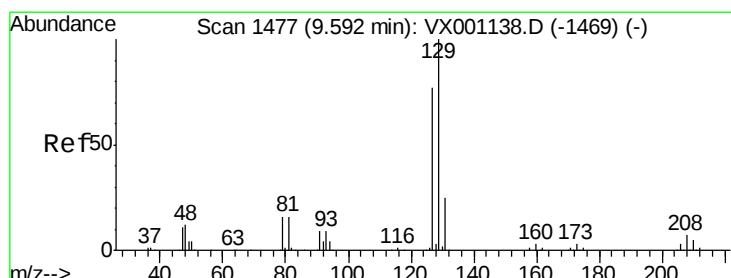
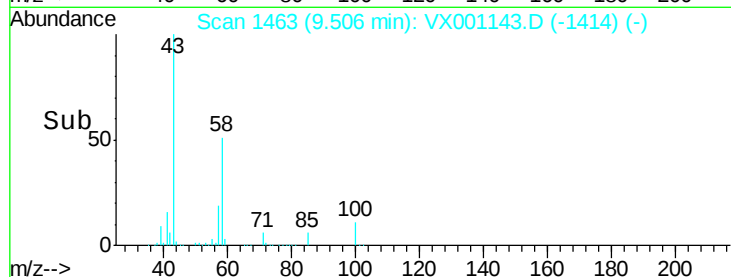
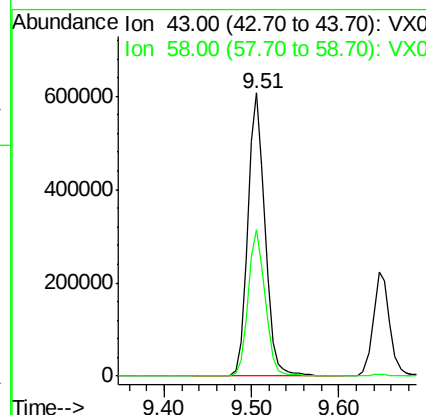
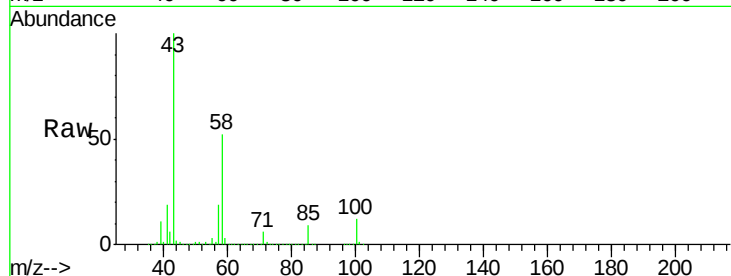
#59
2-Hexanone
Concen: 252.28 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.8	77.4

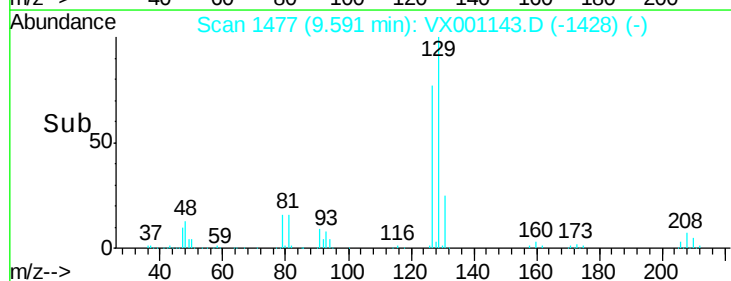
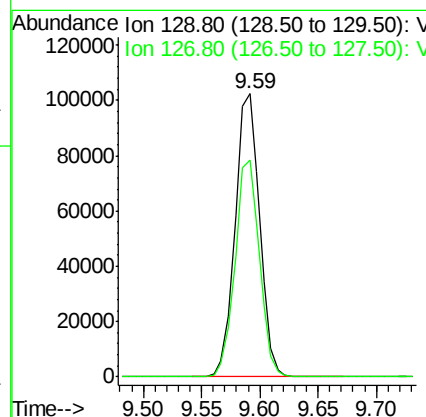
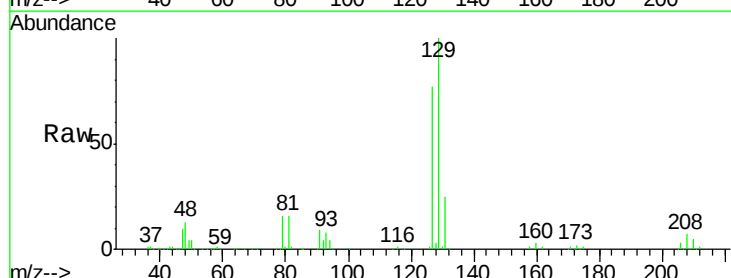
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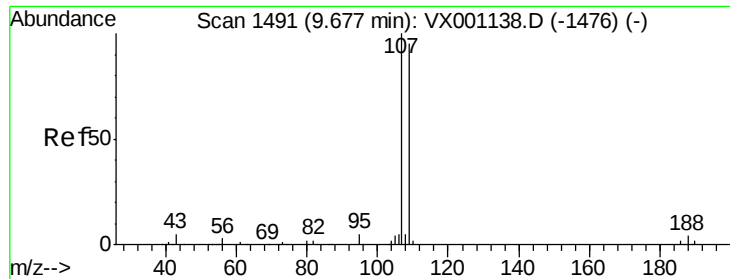
MMDadoda
4/30/2018 6:03:29 PM



#60
Dibromochloromethane
Concen: 47.56 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.4	115.2





#61

1,2-Dibromoethane

Concen: 52.56 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 149310

Ion Ratio Lower Upper

107 100

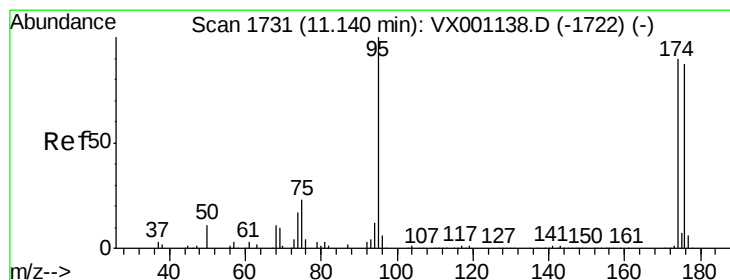
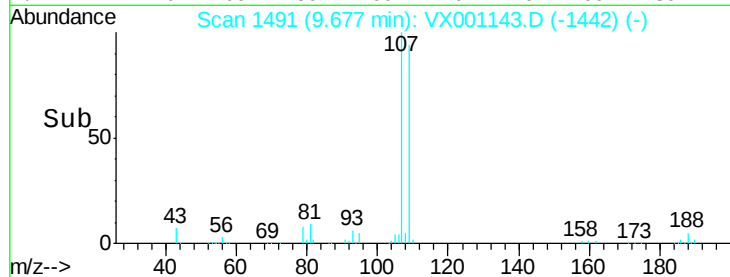
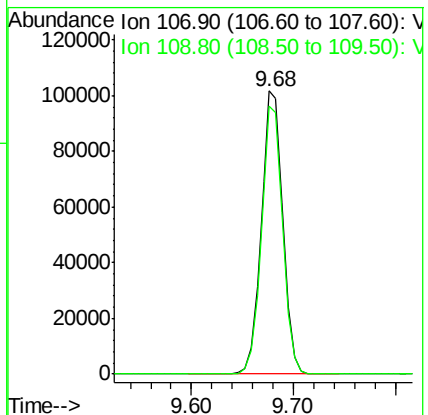
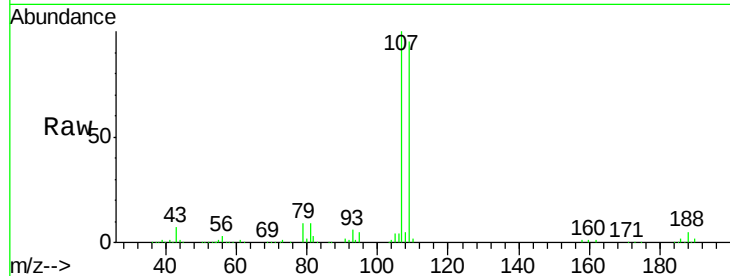
109 94.3 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 50.56 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

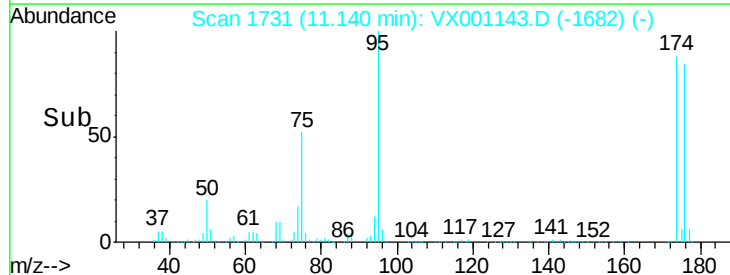
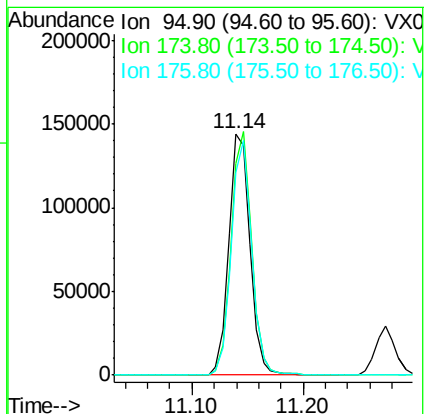
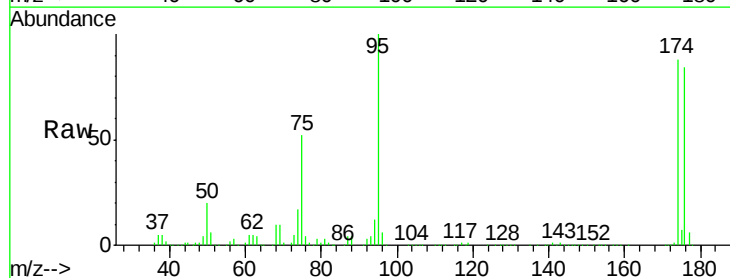
Tgt Ion: 95 Resp: 189676

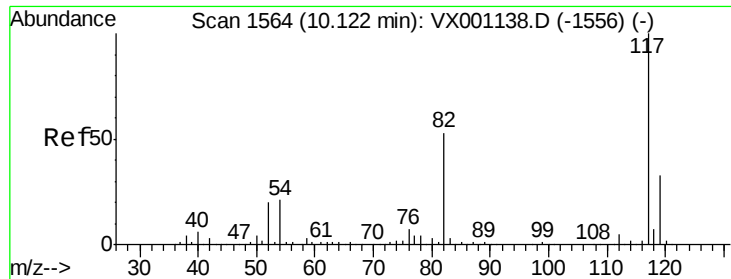
Ion Ratio Lower Upper

95 100

174 97.5 0.0 194.4

176 94.0 0.0 190.2





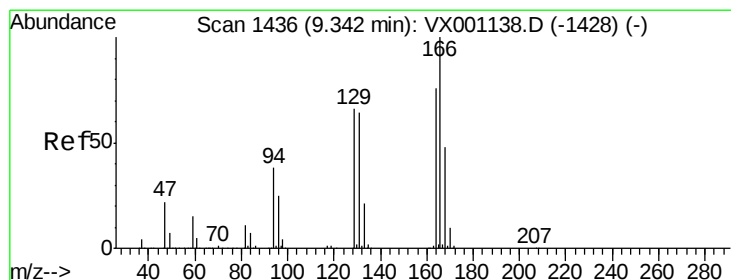
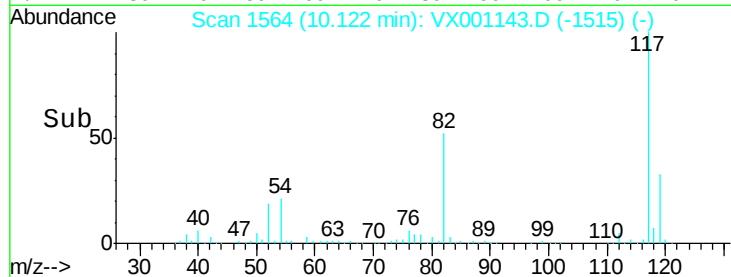
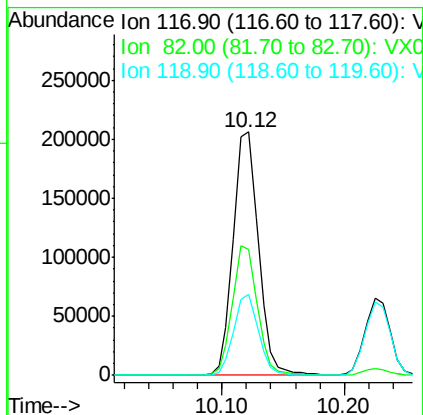
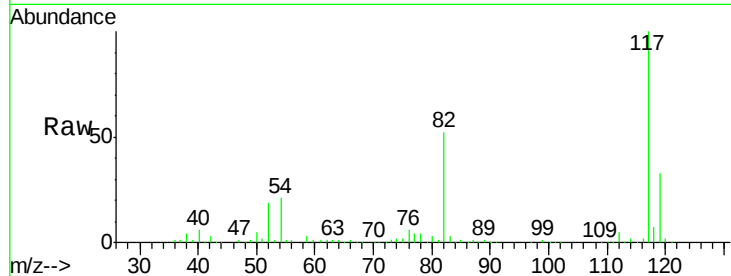
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.1	63.1
119	33.5	26.1	39.1

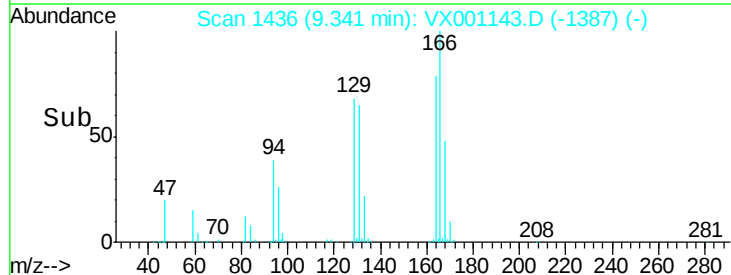
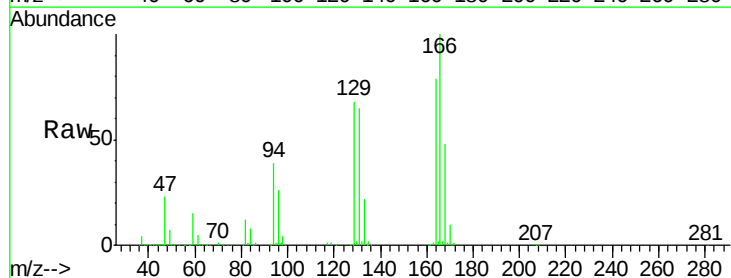
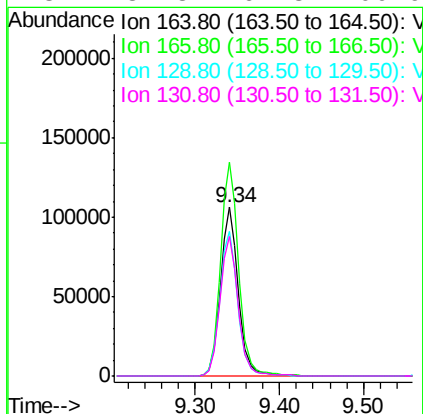
Manual Integrations
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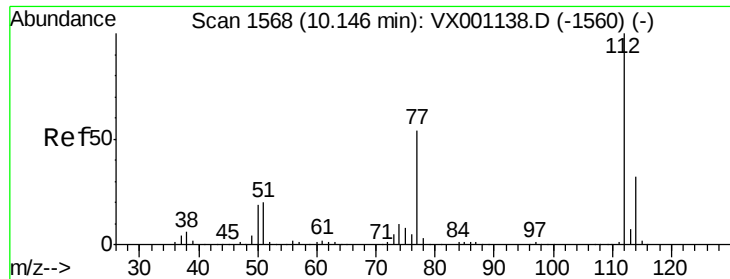
MMDadoda
4/30/2018 6:03:29 PM



#64
Tetrachloroethene
Concen: 48.99 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	105.0	157.6
129	86.1	69.4	104.2
131	82.8	67.3	100.9





#65

Chlorobenzene

Concen: 49.99 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 386474

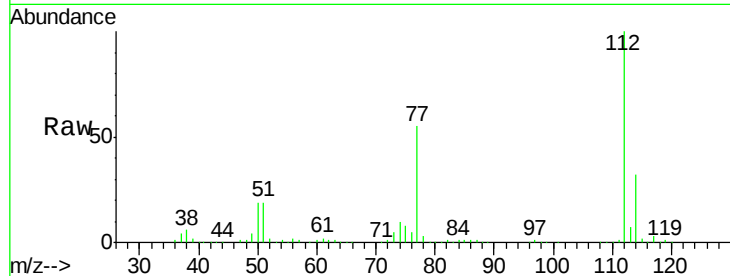
Ion Ratio Lower Upper

112 100

114 31.5 25.7 38.5

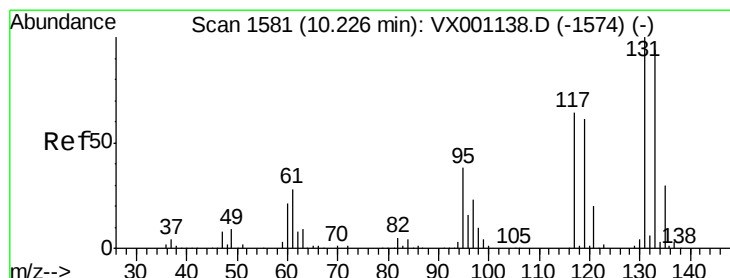
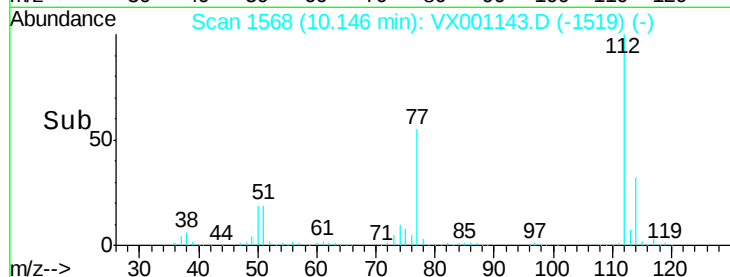
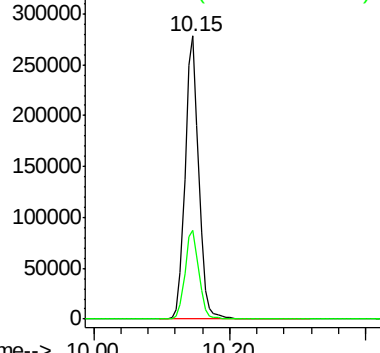
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.47 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

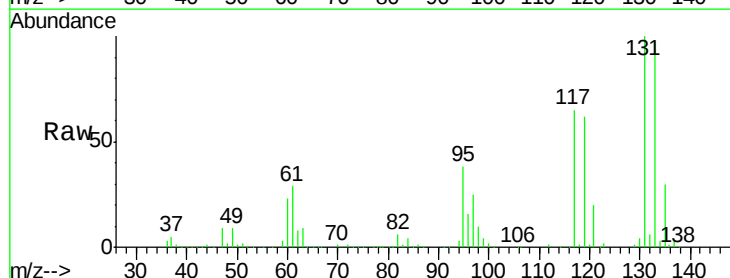
Tgt Ion:131 Resp: 143016

Ion Ratio Lower Upper

131 100

133 96.3 47.8 143.4

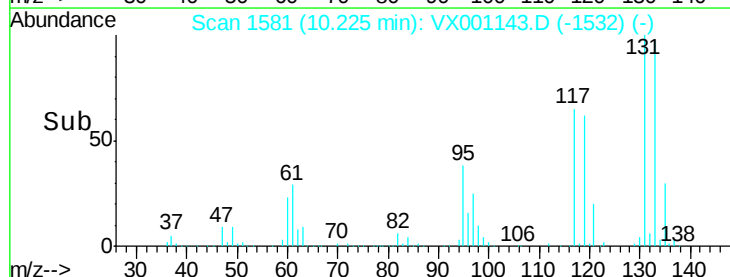
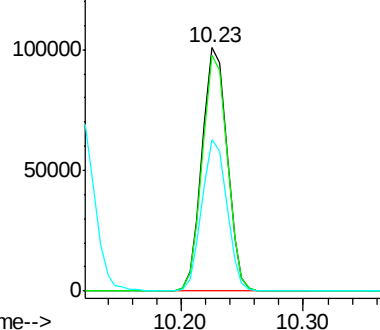
119 62.1 31.3 93.8

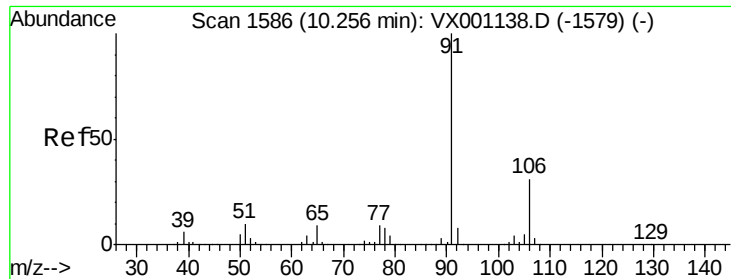


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





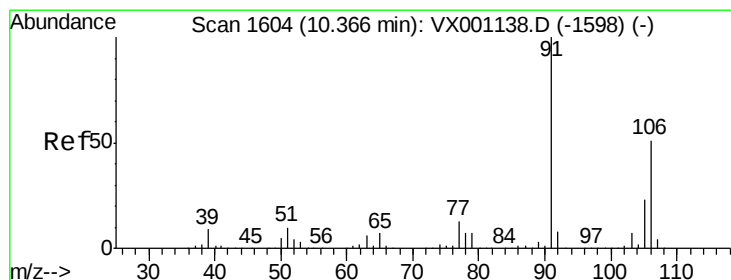
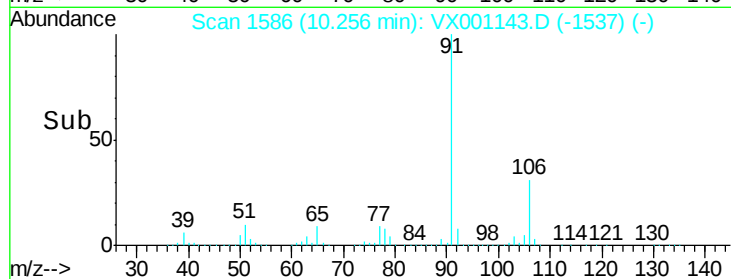
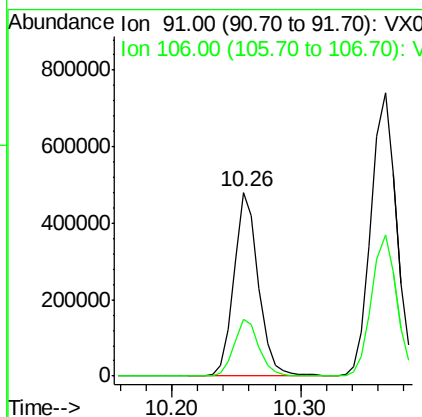
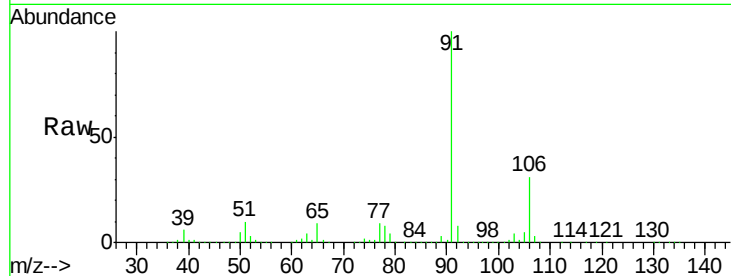
#67
Ethyl Benzene
Concen: 50.95 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 639985
Ion Ratio Lower Upper
91 100
106 30.9 24.8 37.2

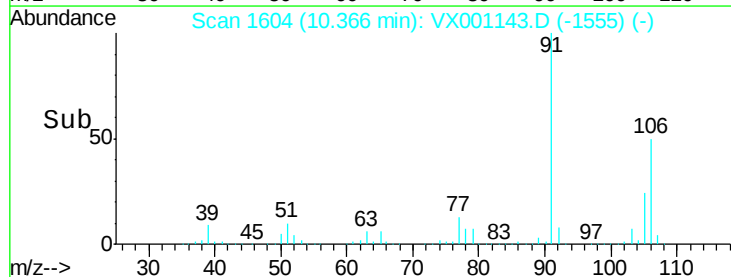
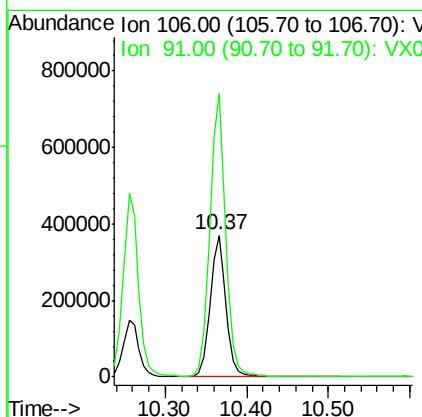
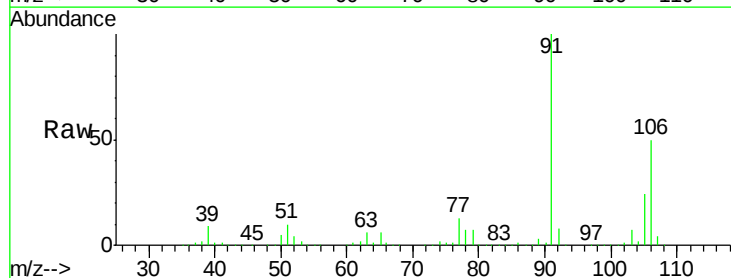
Manual Integrations
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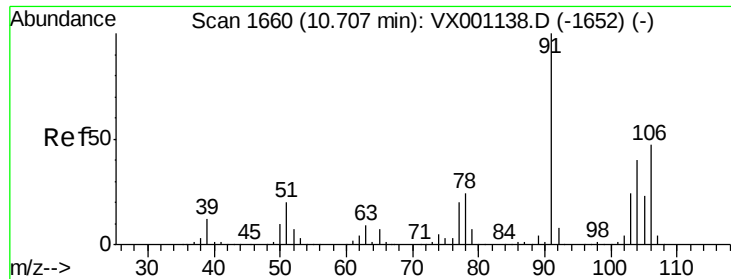
MMDadoda
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#68
m/p-Xylenes
Concen: 101.95 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion: 106 Resp: 506237
Ion Ratio Lower Upper
106 100
91 201.3 160.9 241.3





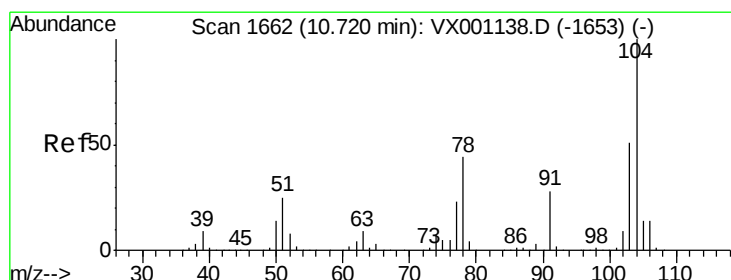
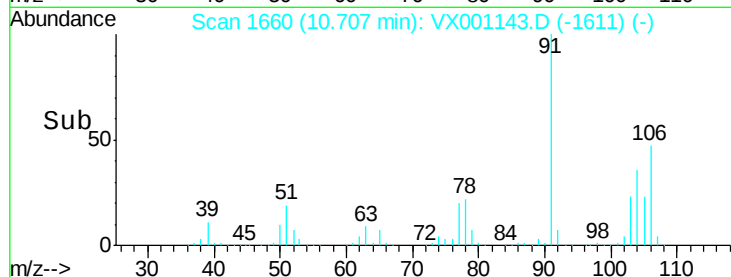
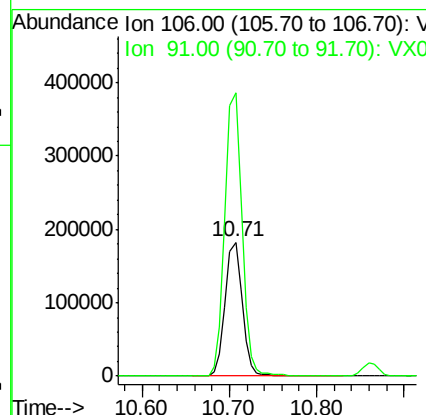
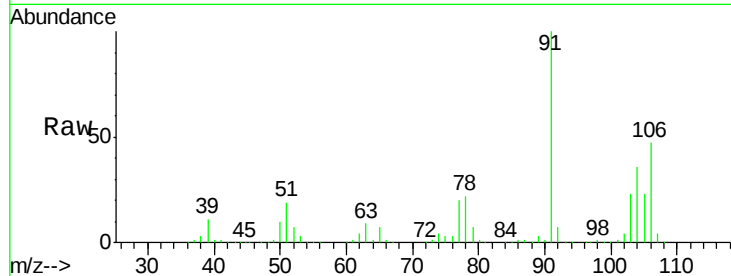
#69
o-Xylene
Concen: 51.60 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 248509
Ion Ratio Lower Upper
106 100
91 211.6 106.2 318.5

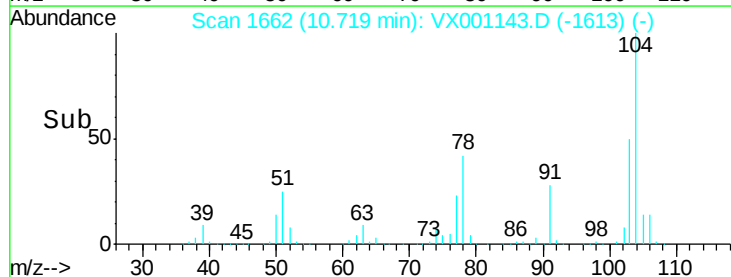
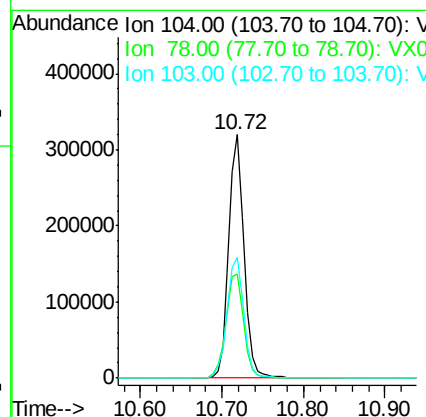
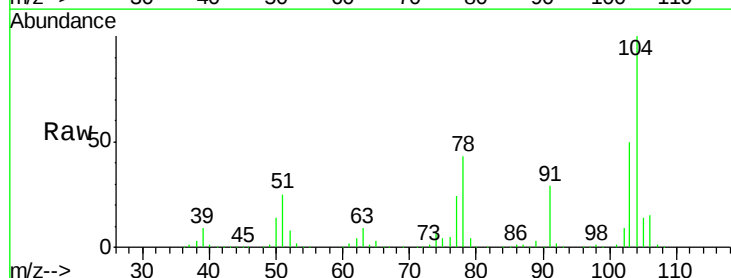
Manual Integrations
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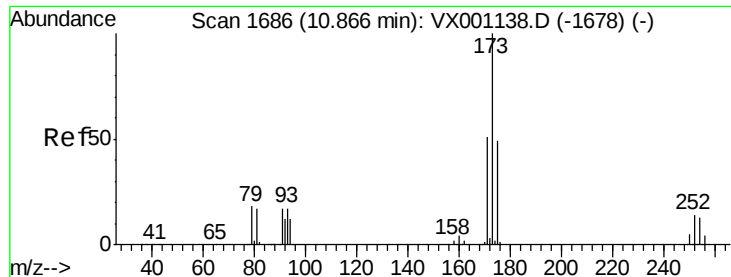
MMDadoda
4/30/2018 6:03:29 PM



#70
Styrene
Concen: 51.91 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion:104 Resp: 416044
Ion Ratio Lower Upper
104 100
78 50.0 40.3 60.5
103 55.1 44.3 66.5





#71

Bromoform

Concen: 45.17 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 125604

Ion Ratio Lower Upper

173 100

175 48.6 24.6 73.8

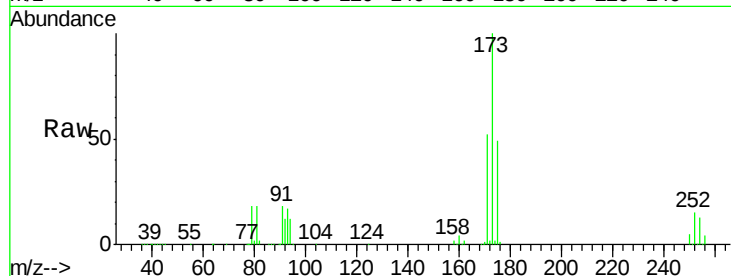
254 0.1 0.2 0.2#

Manual Integrations

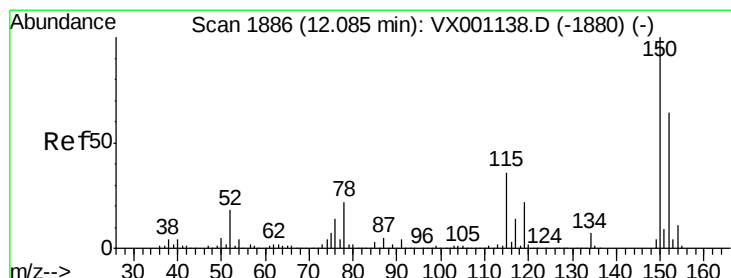
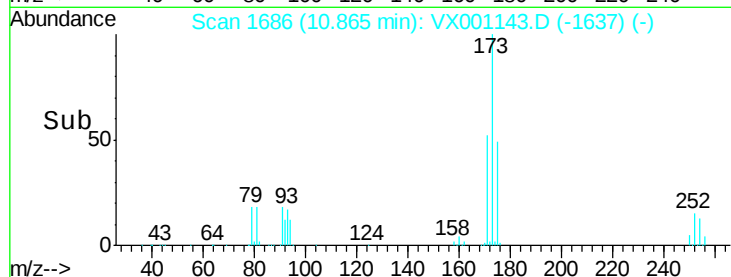
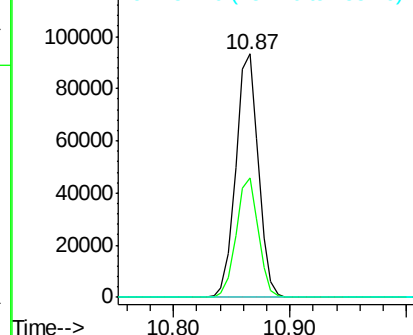
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

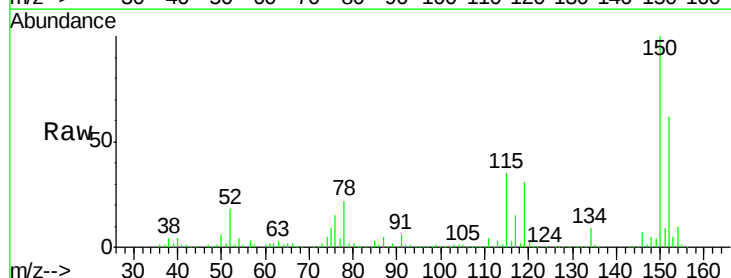
Tgt Ion:152 Resp: 198689

Ion Ratio Lower Upper

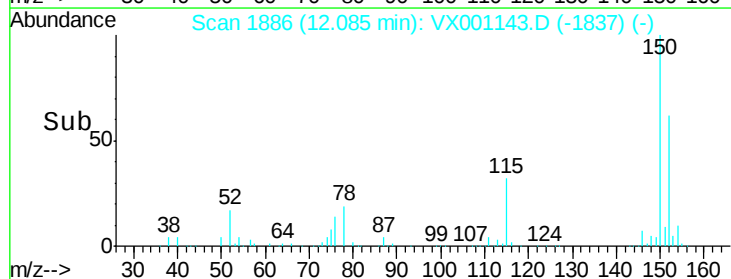
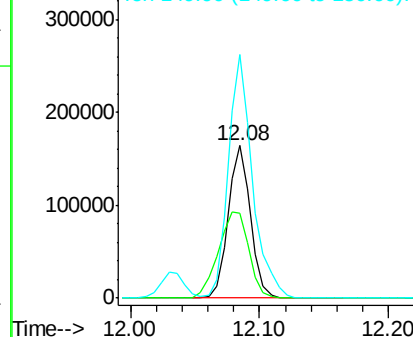
152 100

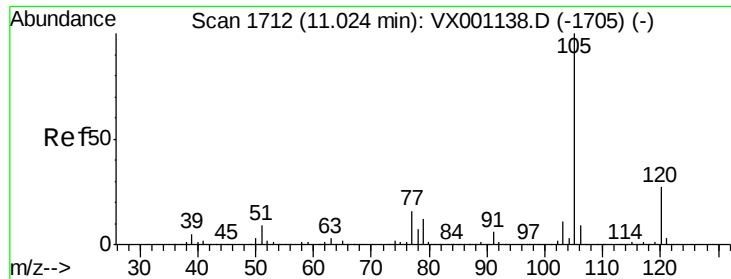
115 77.3 38.0 114.0

150 174.4 0.0 349.6



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





#73

Isopropylbenzene

Concen: 50.54 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 654478

Ion Ratio Lower Upper

105 100

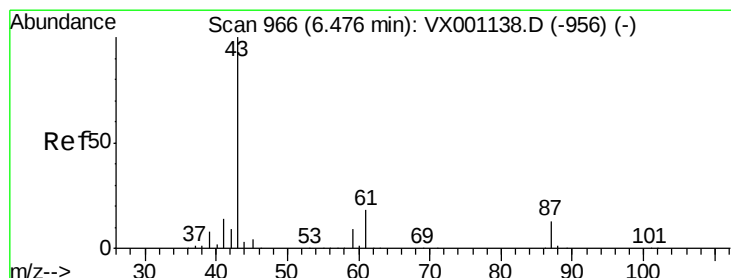
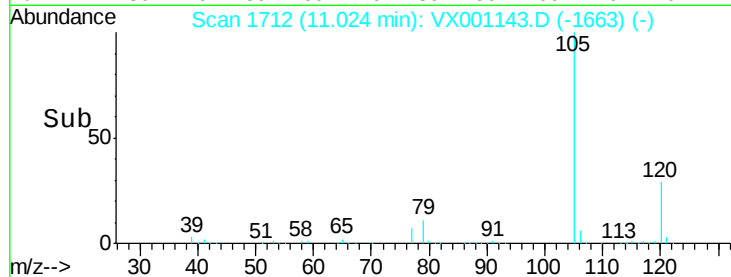
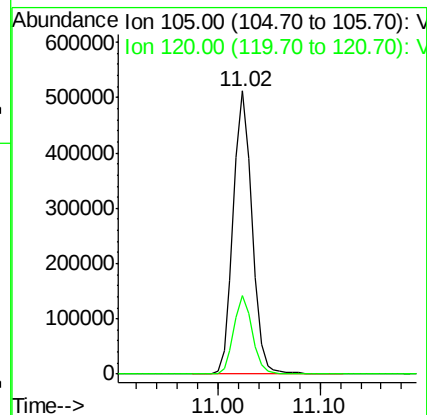
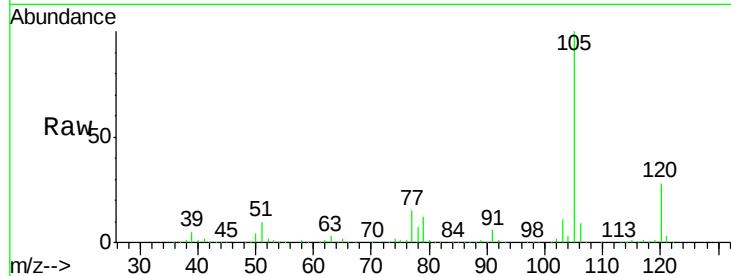
120 27.2 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.16 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Tgt Ion: 43 Resp: 327333

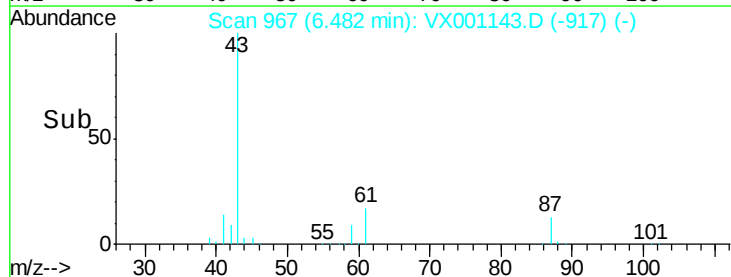
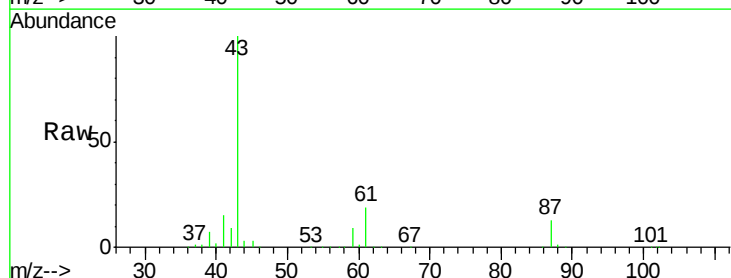
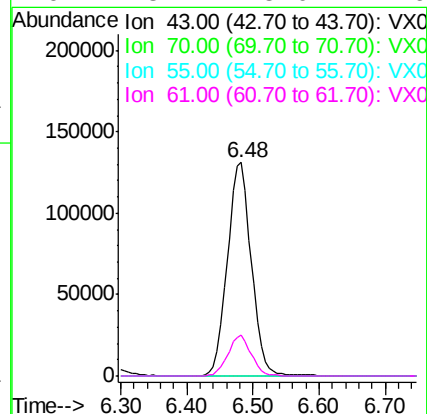
Ion Ratio Lower Upper

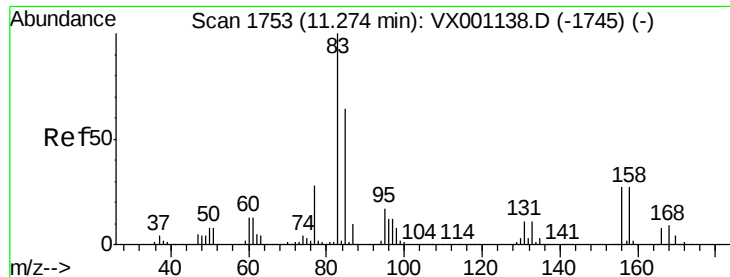
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.7 15.0 22.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.86 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

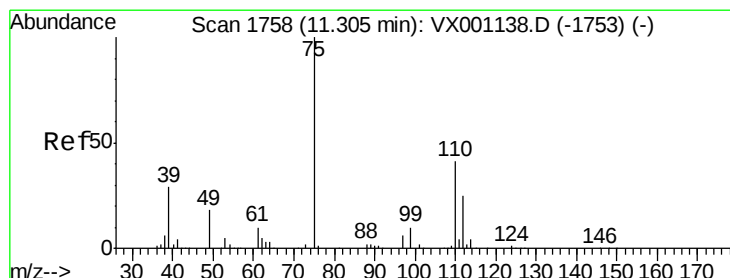
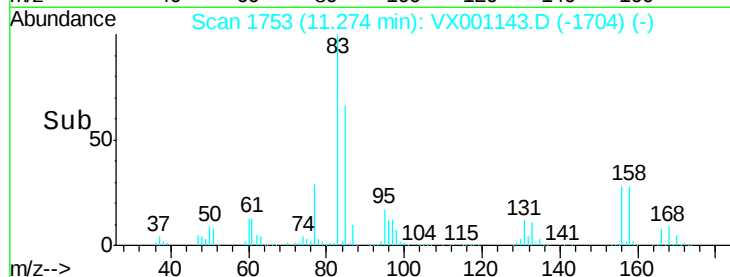
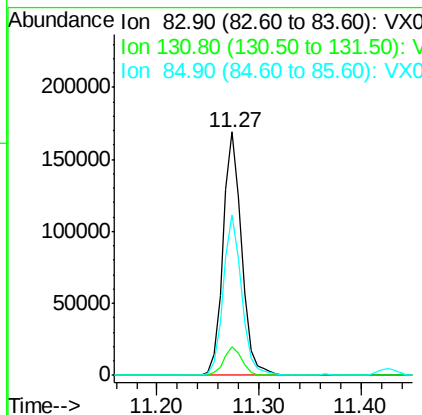
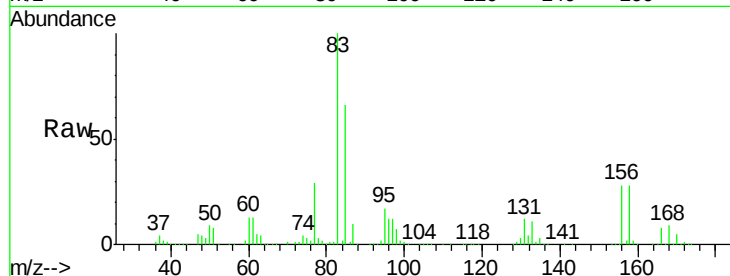
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	214251
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	65.1	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.83 ug/l m

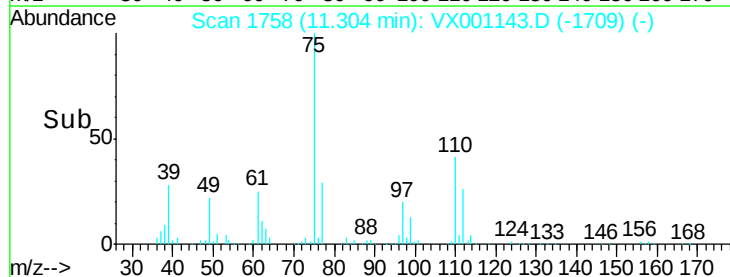
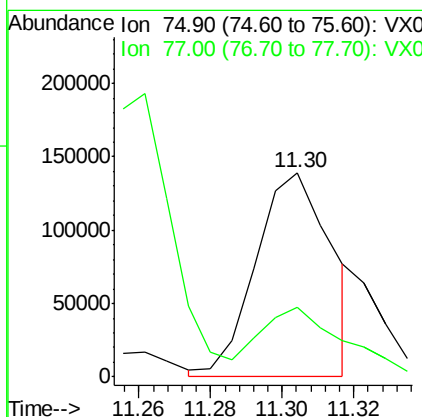
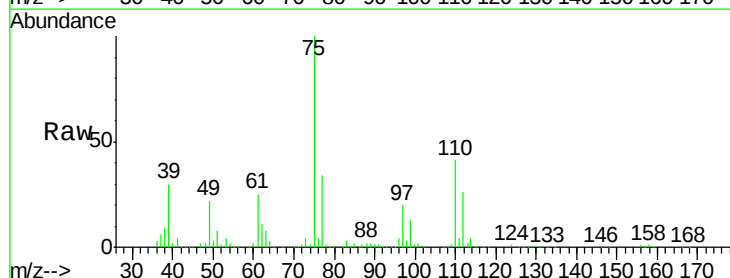
RT: 11.30 min Scan# 1758

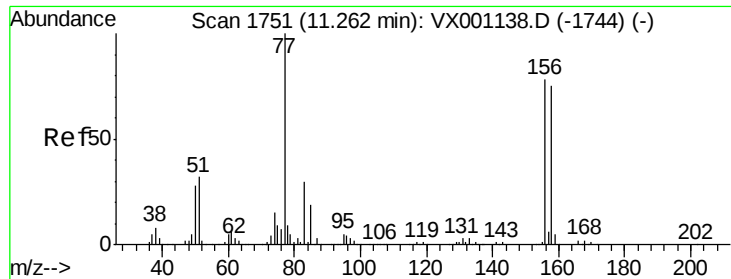
Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Tgt Ion:	75	Resp:	201596
Ion Ratio	Lower	Upper	
75	100		
77	38.2	18.9	56.9





#77

Bromobenzene

Concen: 50.23 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

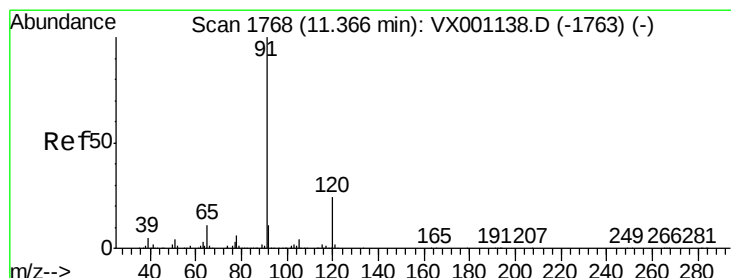
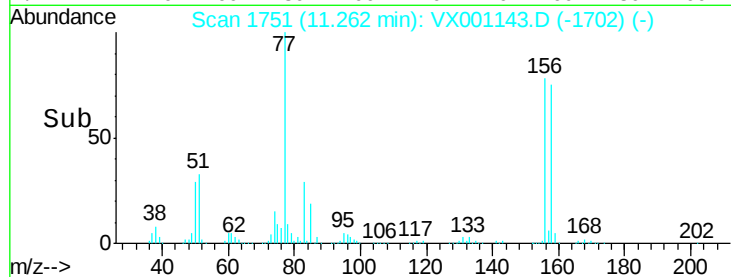
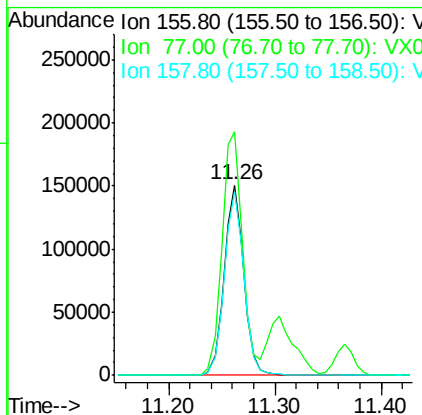
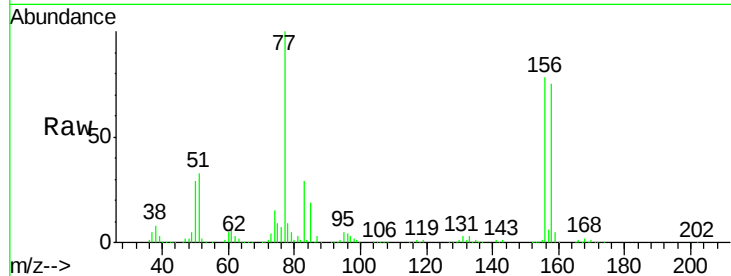
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.1	67.8	203.2
158	97.3	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 51.37 ug/l

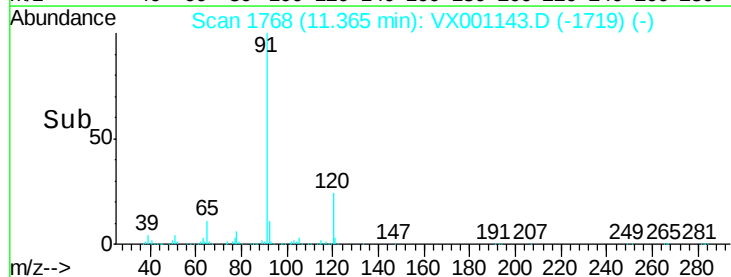
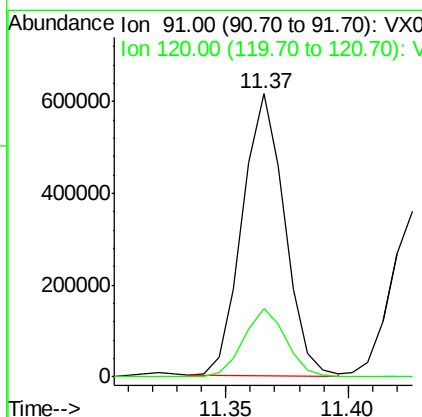
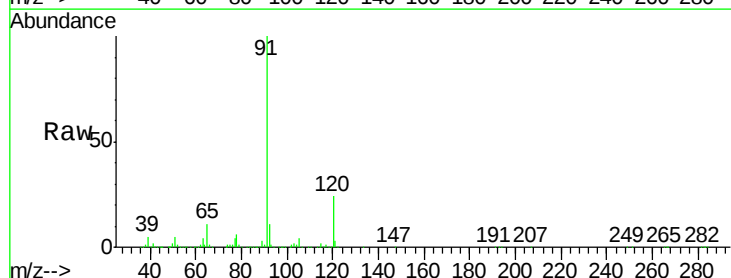
RT: 11.37 min Scan# 1768

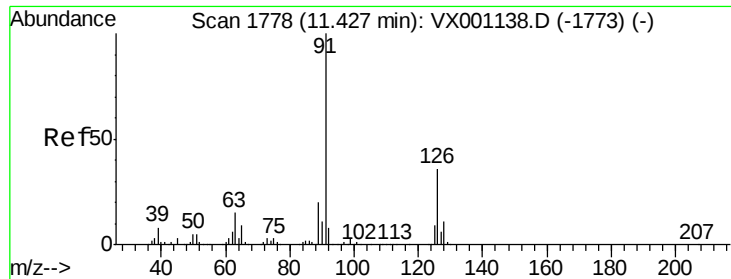
Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.2	36.6





#79

2-Chlorotoluene

Concen: 50.29 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 450203

Ion Ratio Lower Upper

91 100

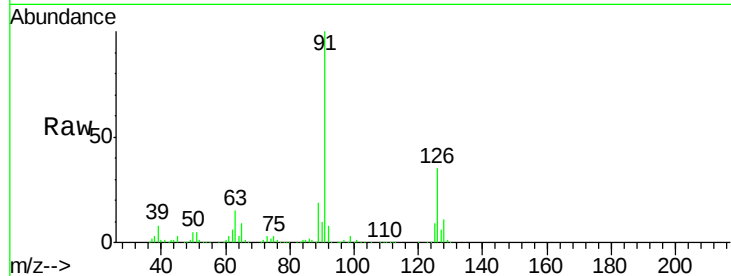
126 36.2 18.2 54.6

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Abundance Ion 91.00 (90.70 to 91.70): VX001138.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001138.D (-1773) (-)

600000

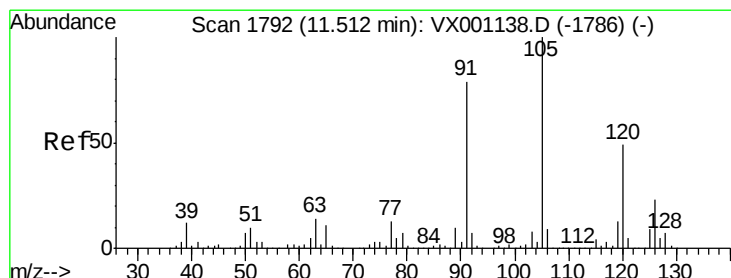
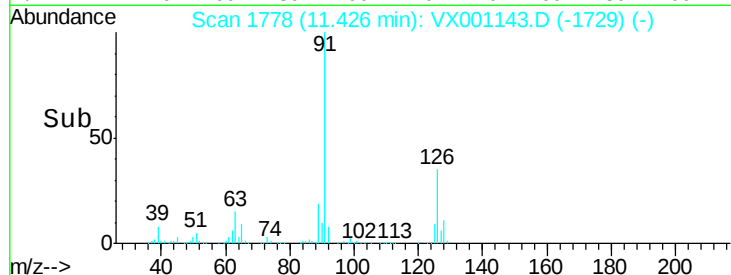
400000

200000

0

11.40 11.43 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.48 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001143.D

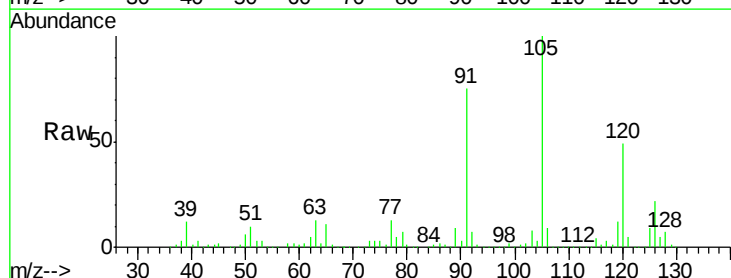
Acq: 26 Apr 2018 22:11

Tgt Ion: 105 Resp: 564455

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX001138.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001138.D (-1786) (-)

500000

400000

300000

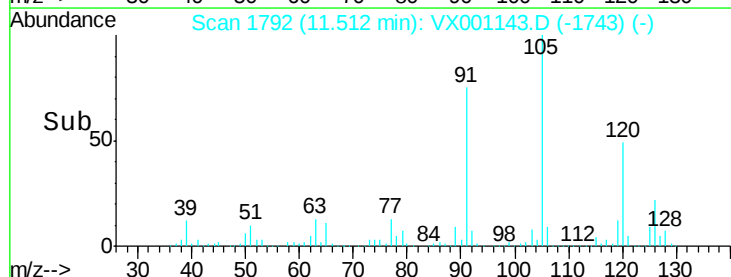
200000

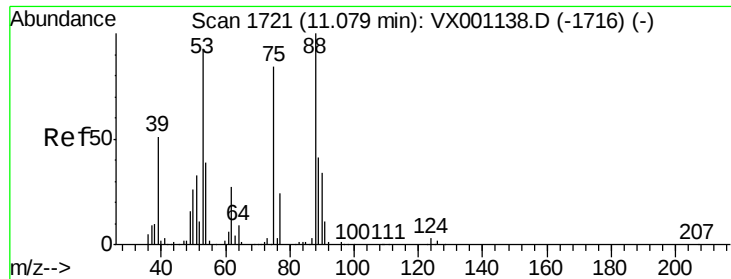
100000

0

11.50 11.51 11.52 11.53 11.54 11.55 11.56 11.57 11.58 11.59 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 43.82 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

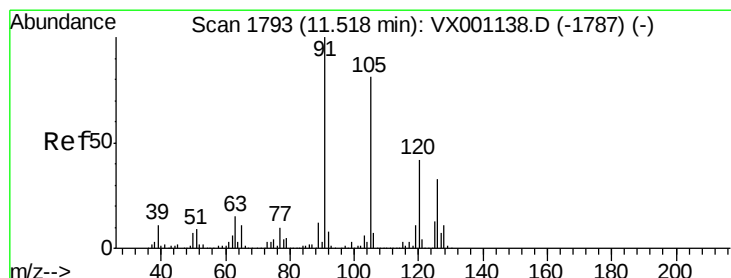
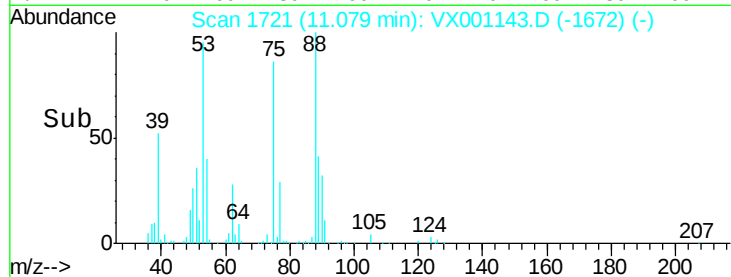
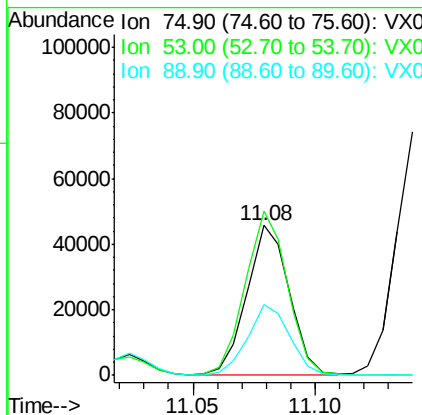
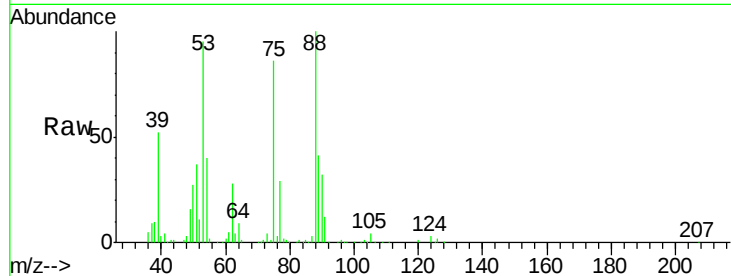
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	54862
Ion	Ratio	Lower	Upper
75	100		
53	109.5	87.9	131.9
89	47.5	37.7	56.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.65 ug/l

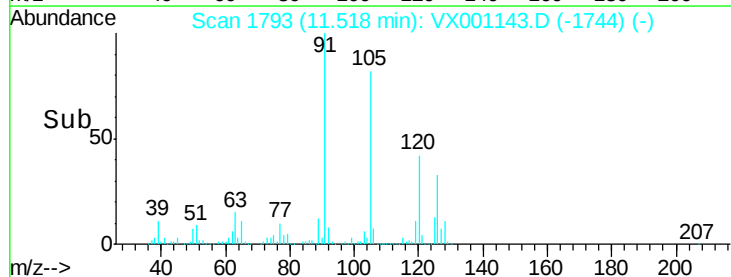
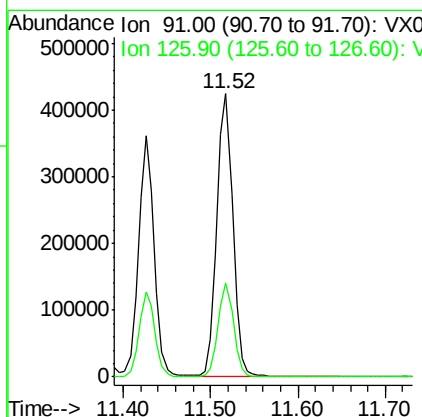
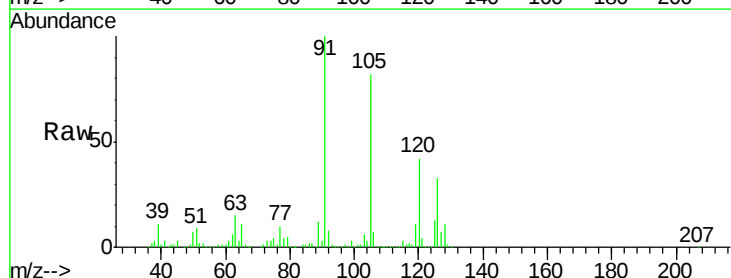
RT: 11.52 min Scan# 1793

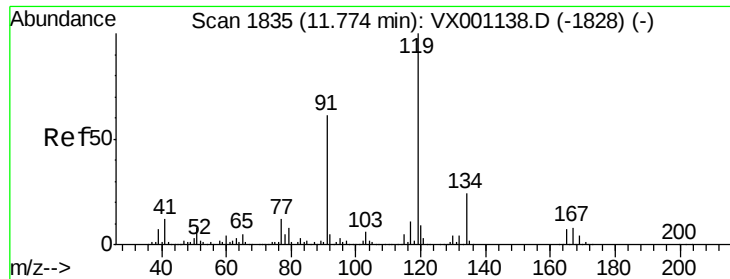
Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Tgt Ion:	91	Resp:	538921
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.8	47.4





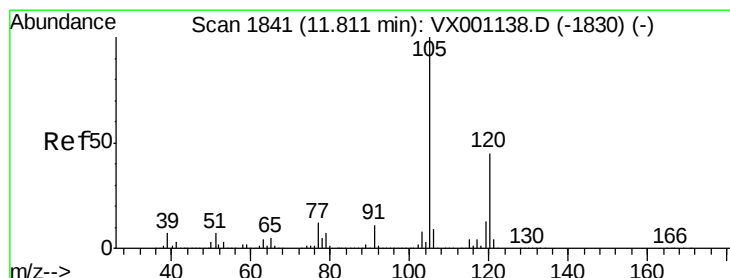
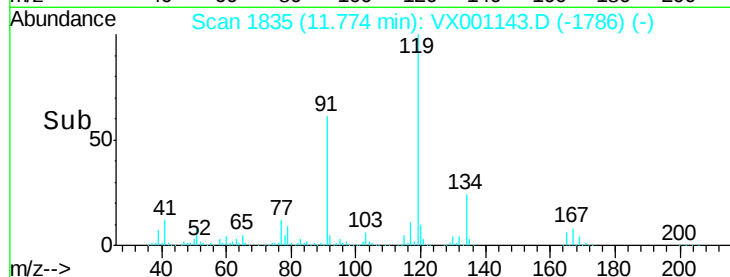
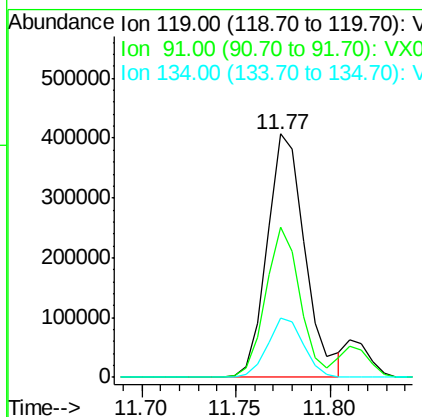
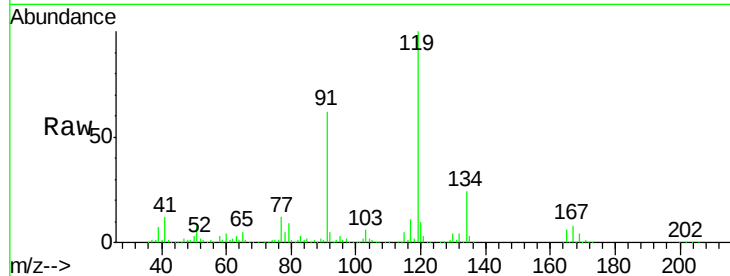
#83
 tert-Butylbenzene
 Concen: 51.74 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	566185		
91	55.9	27.6	82.8	
134	23.2	11.5	34.5	

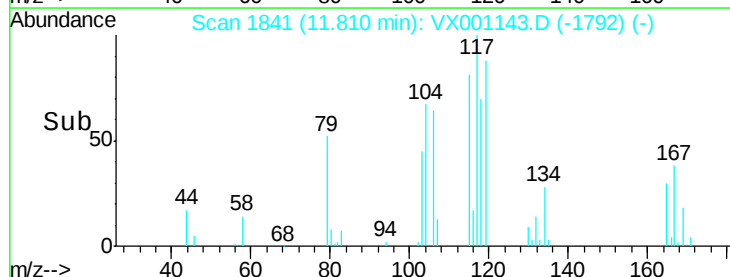
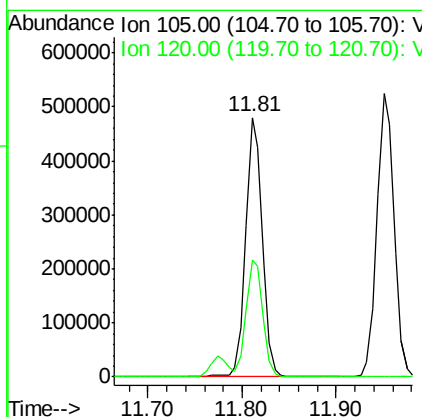
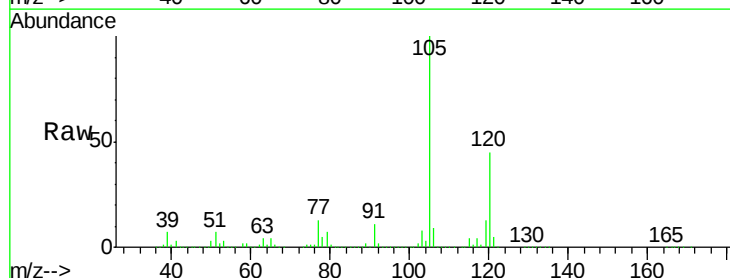
Manual Integrations
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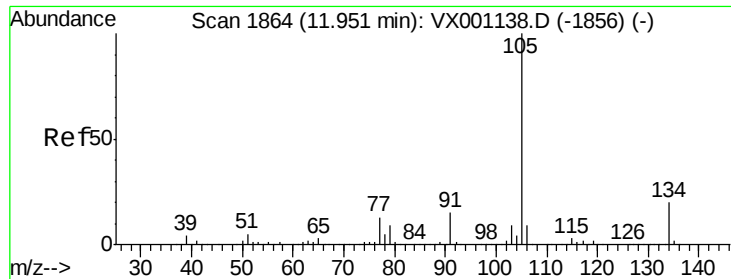
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.81 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	583861		
120	45.4	22.4	67.3	





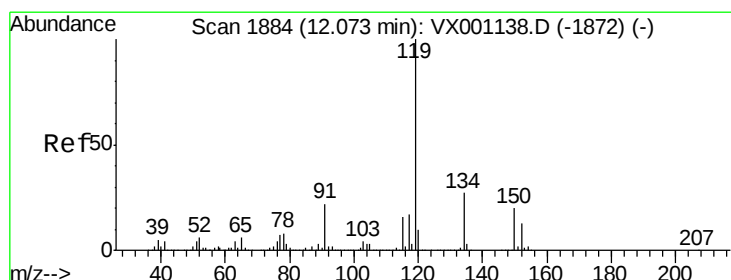
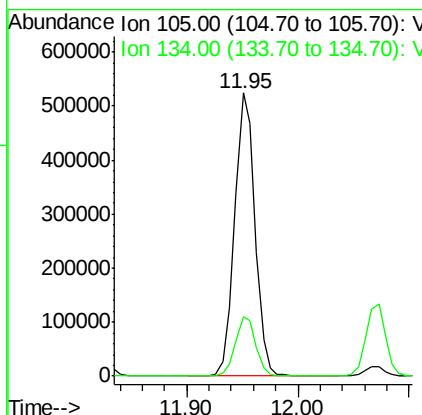
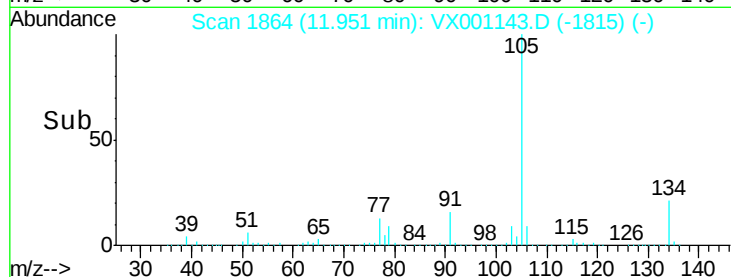
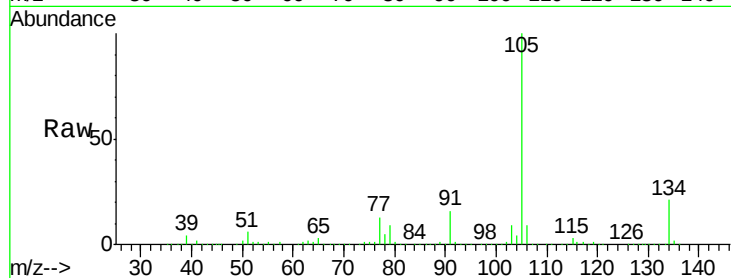
#85
 sec-Butylbenzene
 Concen: 51.74 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.5	31.5

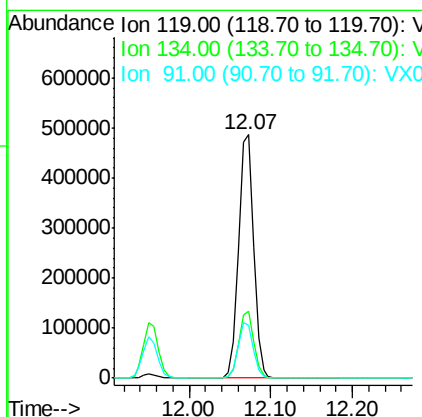
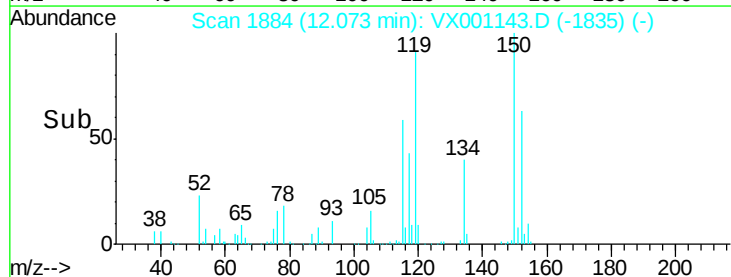
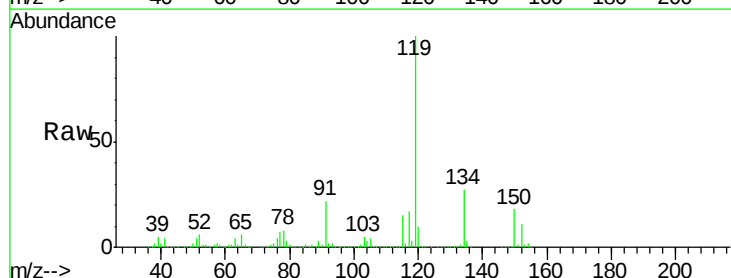
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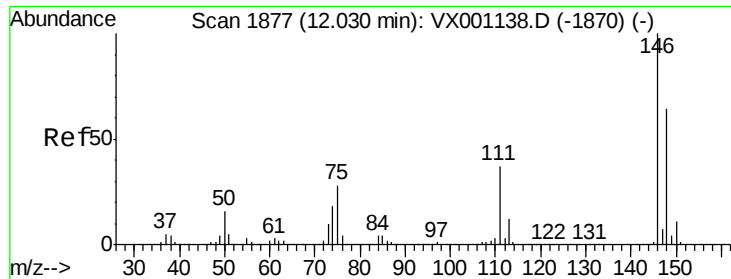
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#86
 p-Isopropyltoluene
 Concen: 51.15 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.1
91	22.9	11.6	34.8





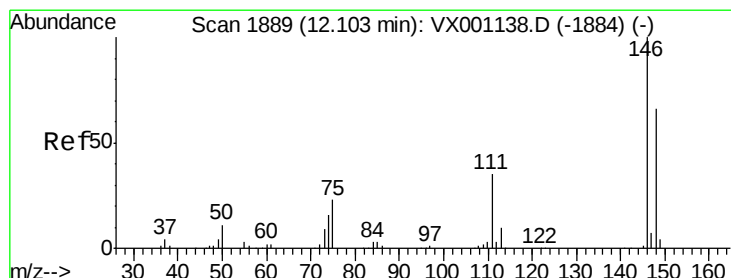
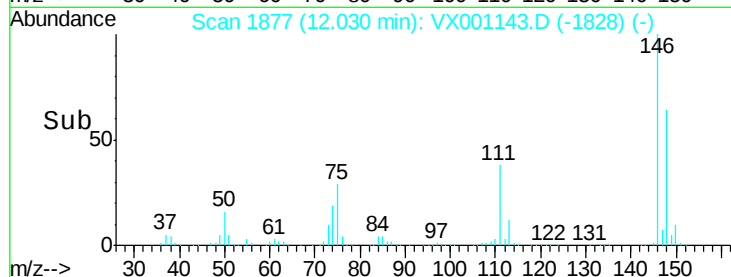
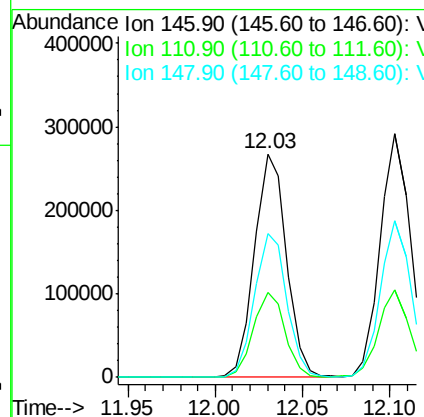
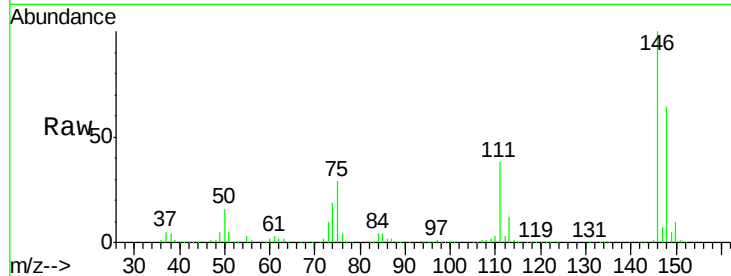
#87
 1,3-Dichlorobenzene
 Concen: 49.57 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	56.0
148	64.7	32.3	96.8

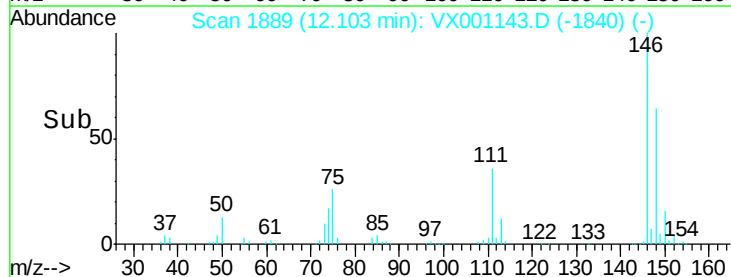
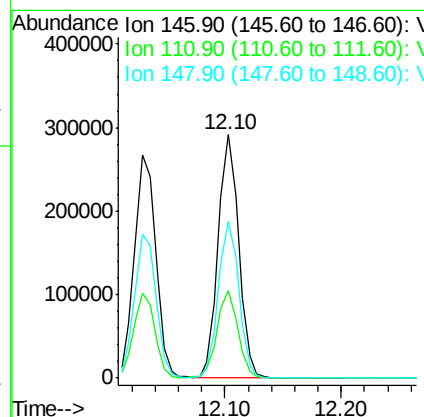
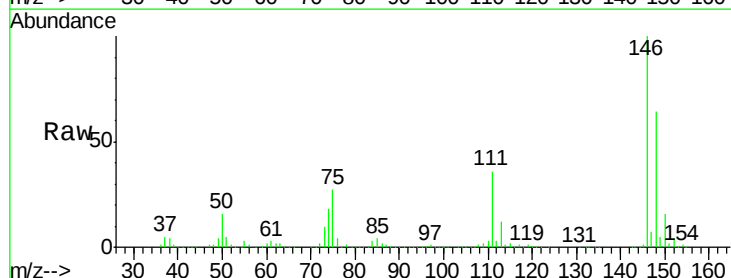
Manual Integrations
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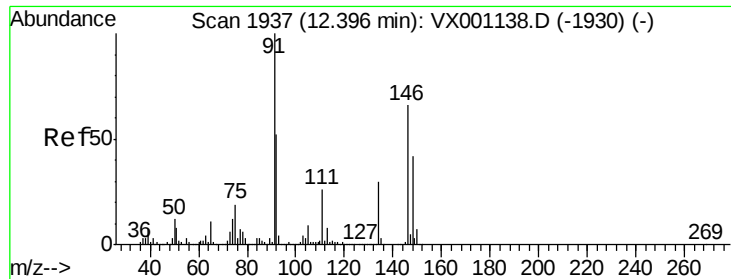
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#88
 1,4-Dichlorobenzene
 Concen: 49.39 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.0	54.0
148	64.6	32.5	97.5





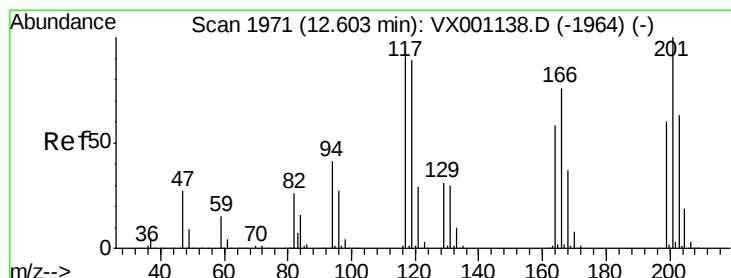
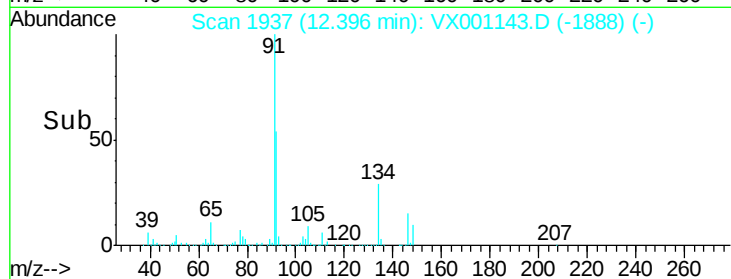
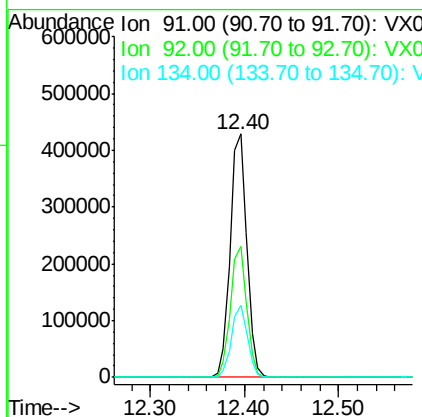
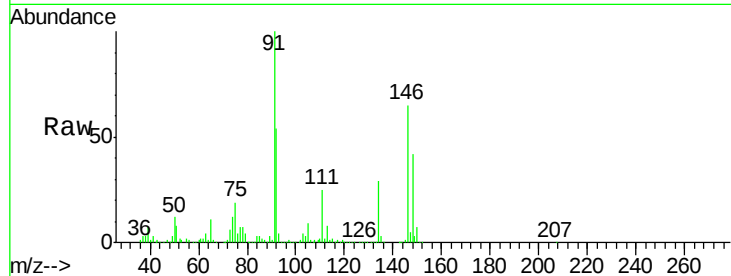
#89
n-Butylbenzene
Concen: 51.07 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.6
134	28.4	14.1	42.3

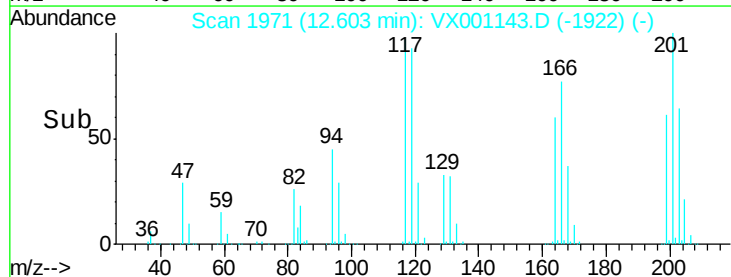
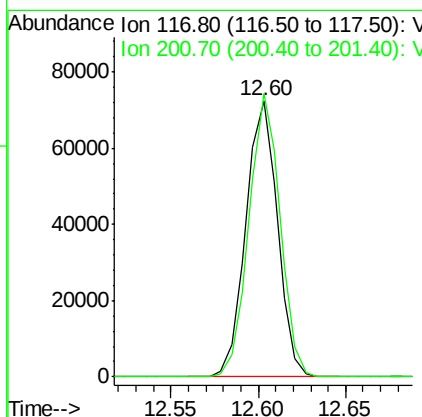
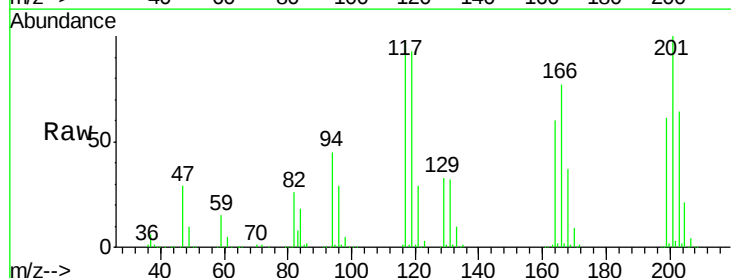
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#90
Hexachloroethane
Concen: 47.75 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001143.D
Acq: 26 Apr 2018 22:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.4	51.8	155.4





#91

1,2-Dichlorobenzene

Concen: 50.27 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

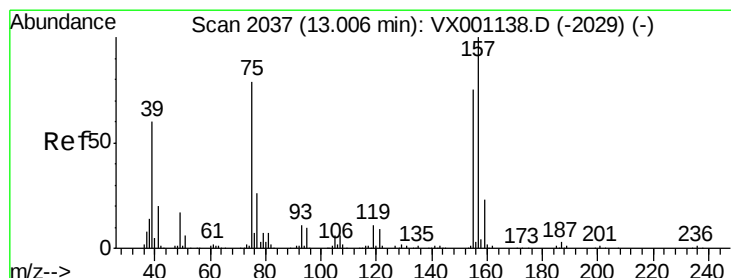
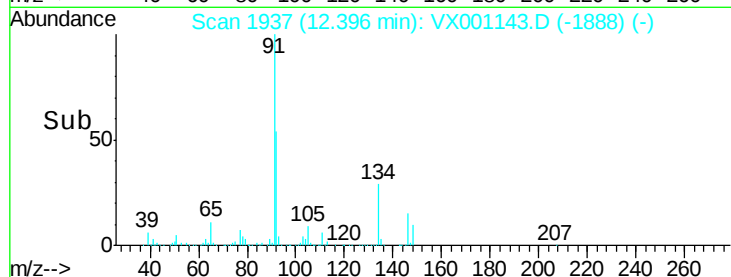
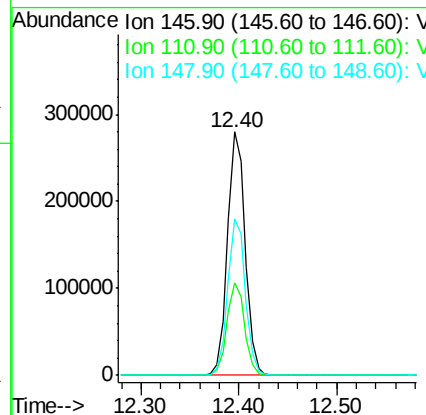
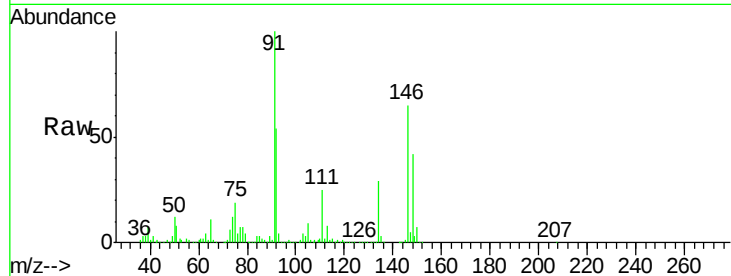
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	350323
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.1	57.3
148	64.3	32.2	96.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.82 ug/l

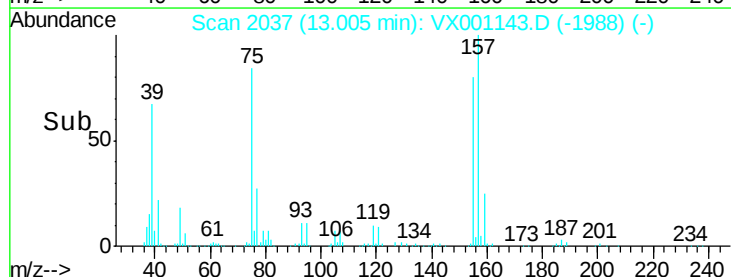
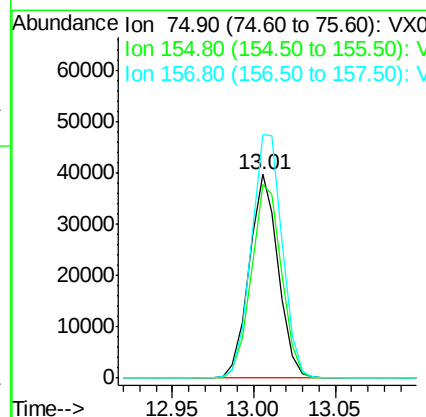
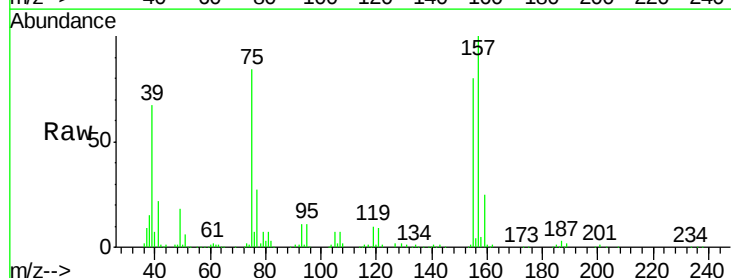
RT: 13.01 min Scan# 2037

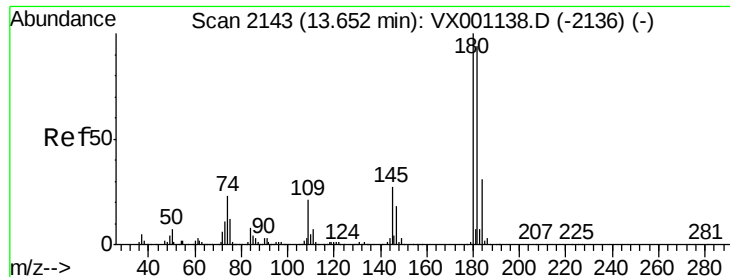
Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Tgt Ion:	75	Resp:	49141
Ion Ratio	Lower	Upper	
75	100		
155	99.0	48.4	145.3
157	127.6	62.7	188.1





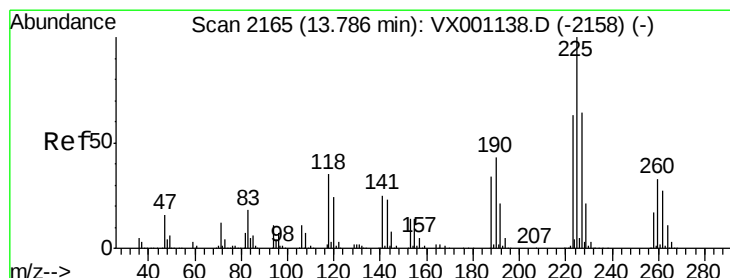
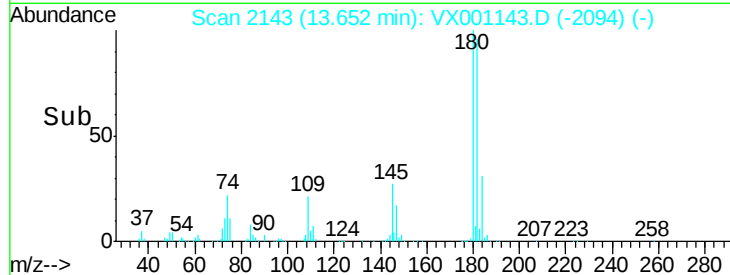
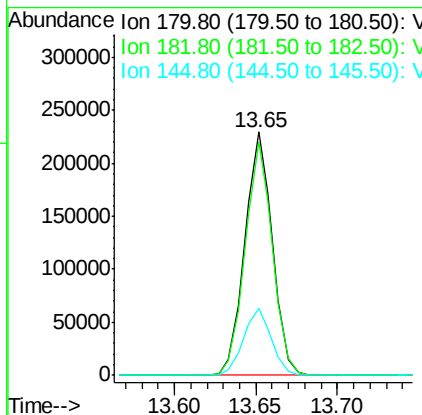
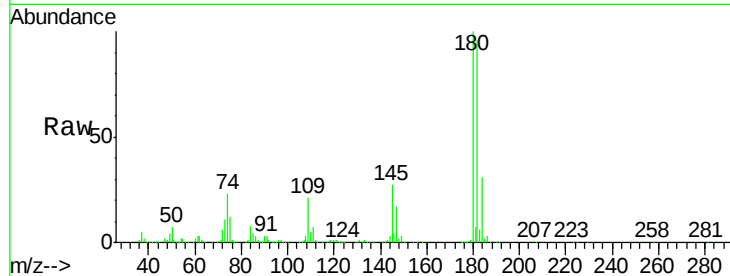
#93
 1,2,4-Trichlorobenzene
 Concen: 49.26 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	269118
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.6
145	27.7	13.8	41.4

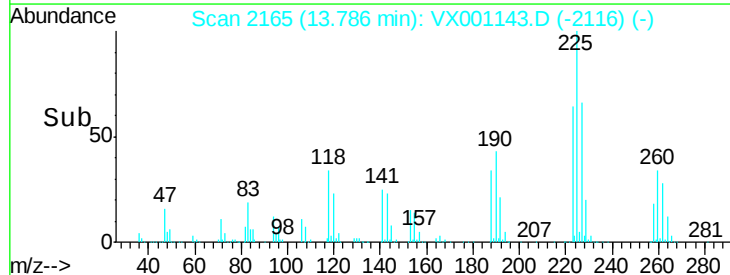
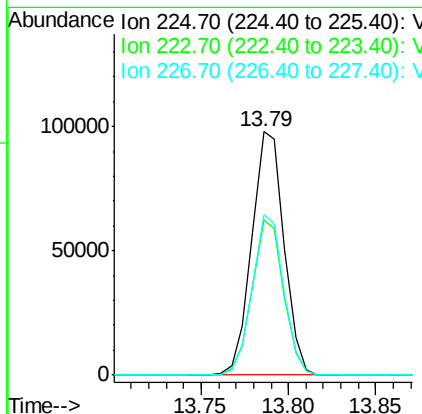
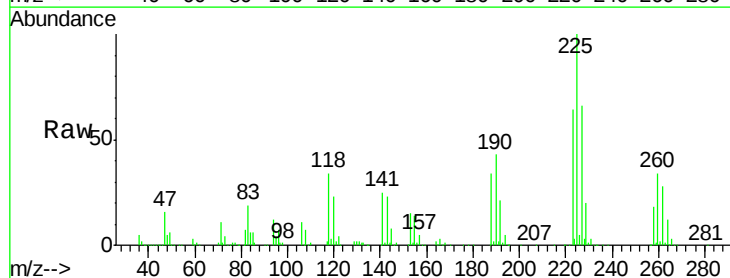
Manual Integrations
 APPROVED

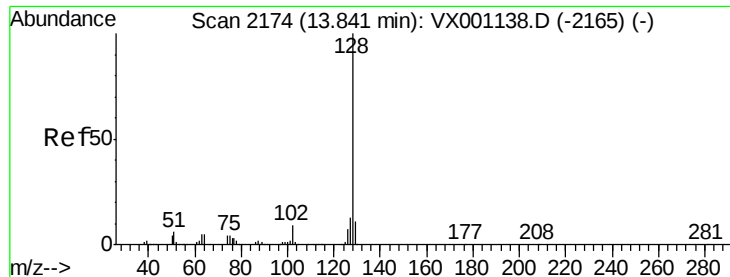
MMDadoda
 4/30/2018 6:03:29 PM



#94
 Hexachlorobutadiene
 Concen: 48.79 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001143.D
 Acq: 26 Apr 2018 22:11

Tgt Ion:	225	Resp:	125284
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.3	93.9
227	64.1	32.2	96.6





#95

Naphthalene

Concen: 51.52 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Instrument :

MSVOA_X

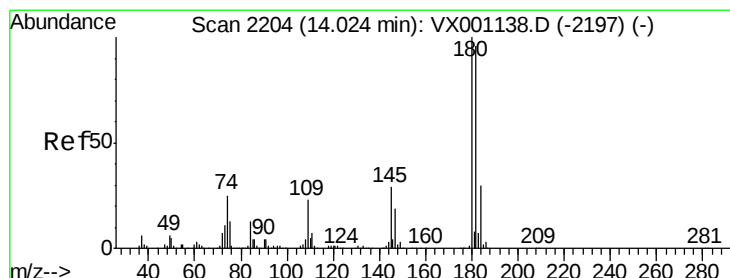
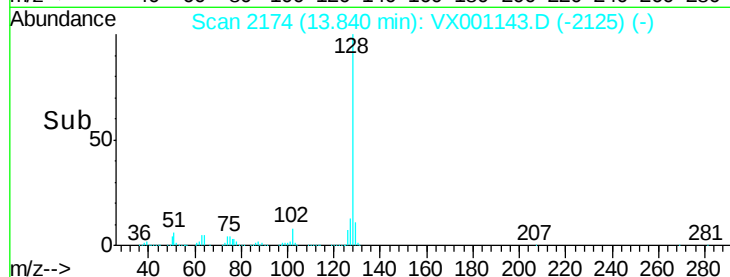
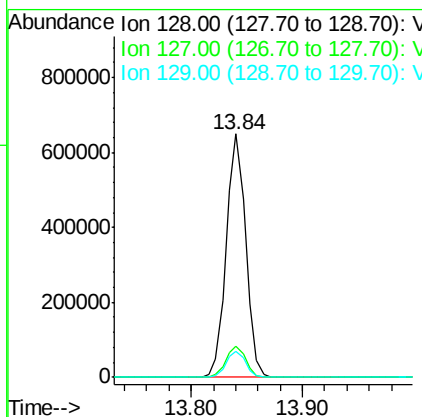
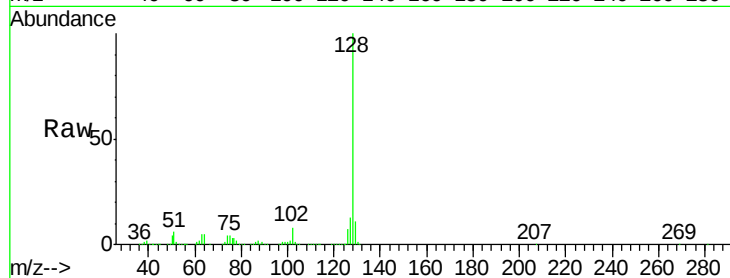
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	784219
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.62 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX001143.D

Acq: 26 Apr 2018 22:11

Tgt Ion:	180	Resp:	269716
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.2	144.6
145	29.6	14.5	43.5

