

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030719\
 Data File : VX007918.D
 Acq On : 08 Mar 2019 07:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:40:10 AM

Quant Time: Mar 08 08:39:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 06:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	255176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	378489	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	336695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	137771	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	5.51	113	121774	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	8.71	98	459904	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.13	95	163063	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	103379	47.419	ug/l	100
3) Chloromethane	1.33	50	145052	51.629	ug/l	99
4) Vinyl Chloride	1.41	62	141864	50.819	ug/l	100
5) Bromomethane	1.64	94	65320	49.858	ug/l	97
6) Chloroethane	1.72	64	88185	47.552	ug/l	97
7) Trichlorofluoromethane	1.93	101	178374	49.077	ug/l	98
8) Diethyl Ether	2.19	74	80555	51.183	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	104605	46.444	ug/l	100
10) Methyl Iodide	2.51	142	172617	54.023	ug/l	100
11) Tert butyl alcohol	3.07	59	155166	257.755	ug/l	100
12) 1,1-Dichloroethene	2.38	96	108164	49.821	ug/l	95
13) Acrolein	2.30	56	70606	207.519	ug/l	99
14) Allyl chloride	2.73	41	217634	47.705	ug/l	99
15) Acrylonitrile	3.15	53	384586	253.103	ug/l	100
16) Acetone	2.45	43	321279	206.204	ug/l	98
17) Carbon Disulfide	2.57	76	330745	50.168	ug/l	100
18) Methyl Acetate	2.78	43	181132	54.722	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	387070	51.824	ug/l	100
20) Methylene Chloride	2.86	84	125666	50.678	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	116446	48.745	ug/l	99
22) Diisopropyl ether	3.87	45	424416	50.751	ug/l	99
23) Vinyl Acetate	3.82	43	1826017	248.996	ug/l	100
24) 1,1-Dichloroethane	3.70	63	227598	50.573	ug/l	100
25) 2-Butanone	4.70	43	530588	240.540	ug/l	100
26) 2,2-Dichloropropane	4.59	77	94384	31.656	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	135184	49.453	ug/l	97
28) Bromochloromethane	5.02	49	113352	54.025	ug/l	100
29) Tetrahydrofuran	5.15	42	354031	257.306	ug/l	100
30) Chloroform	5.21	83	214853	50.469	ug/l	100
31) Cyclohexane	5.57	56	199637	48.266	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	179075	50.699	ug/l	99
36) 1,1-Dichloropropene	5.80	75	160931	46.958	ug/l	99
37) Ethyl Acetate	4.85	43	199080	48.950	ug/l	99
38) Carbon Tetrachloride	5.78	117	156504	48.102	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	189609	45.659	ug/l	99
40) Benzene	6.14	78	505600	49.555	ug/l	100
41) Methacrylonitrile	5.06	41	111268	50.181	ug/l	99
42) 1,2-Dichloroethane	6.20	62	164197	49.210	ug/l	100
43) Isopropyl Acetate	6.46	43	306498	50.922	ug/l	100
44) Trichloroethene	7.21	130	136241	48.455	ug/l	99
45) 1,2-Dichloropropane	7.52	63	135374	50.236	ug/l	100
46) Dibromomethane	7.66	93	84437	49.512	ug/l	99
47) Bromodichloromethane	7.90	83	162139	50.147	ug/l	98
48) Methyl methacrylate	7.77	41	163102	51.541	ug/l	99
49) 1,4-Dioxane	7.75	88	64994	999.809	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1004622	259.537	ug/l	100
52) Toluene	8.79	92	314909	50.555	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	165020	48.899	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	186482	48.933	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	130744	51.850	ug/l	99
56) Ethyl methacrylate	9.18	69	203575	53.770	ug/l	98
57) 1,3-Dichloropropane	9.37	76	216292	51.086	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	537060	274.230	ug/l	99
59) 2-Hexanone	9.49	43	748094	248.931	ug/l	100
60) Dibromochloromethane	9.58	129	136246	51.693	ug/l	98
61) 1,2-Dibromoethane	9.67	107	137365	51.309	ug/l	100
64) Tetrachloroethene	9.33	164	135715	48.640	ug/l	98
65) Chlorobenzene	10.14	112	347943	49.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	127856	50.633	ug/l	100
67) Ethyl Benzene	10.25	91	582699	50.242	ug/l	100
68) m/p-Xylenes	10.36	106	448963	100.431	ug/l	98
69) o-Xylene	10.70	106	220309	51.046	ug/l	99
70) Styrene	10.71	104	362267	51.295	ug/l	99
71) Bromoform	10.86	173	109527	50.508	ug/l	# 100
73) Isopropylbenzene	11.02	105	584560	51.192	ug/l	100
74) N-amyl acetate	10.90	43	263896	50.622	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	191725	48.676	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	178429m	50.361	ug/l	
77) Bromobenzene	11.26	156	155101	49.542	ug/l	99
78) n-propylbenzene	11.36	91	643378	50.788	ug/l	100
79) 2-Chlorotoluene	11.42	91	387713	50.057	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	480806	51.158	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48447	43.709	ug/l	97
82) 4-Chlorotoluene	11.51	91	442248	49.823	ug/l	100
83) tert-Butylbenzene	11.77	119	484214	51.148	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	490777	50.939	ug/l	99
85) sec-Butylbenzene	11.94	105	569819	51.106	ug/l	99
86) p-Isopropyltoluene	12.07	119	511741	51.249	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	268907	48.552	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	268391	47.318	ug/l	100
89) n-Butylbenzene	12.39	91	424364	50.163	ug/l	99
90) Hexachloroethane	12.60	117	85298	51.091	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	268834	48.860	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39820	48.374	ug/l	98

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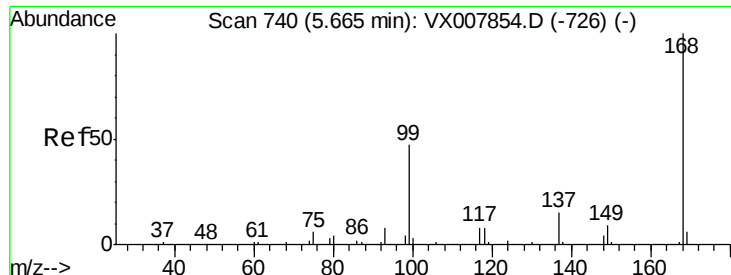
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	190738	49.347	ug/l	100
94) Hexachlorobutadiene	13.78	225	100507	49.735	ug/l	99
95) Naphthalene	13.83	128	577336	51.839	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	192084	49.886	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 255176

Ion Ratio Lower Upper

168 100

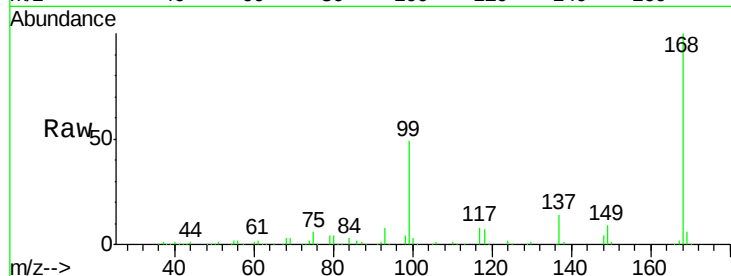
99 48.8 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

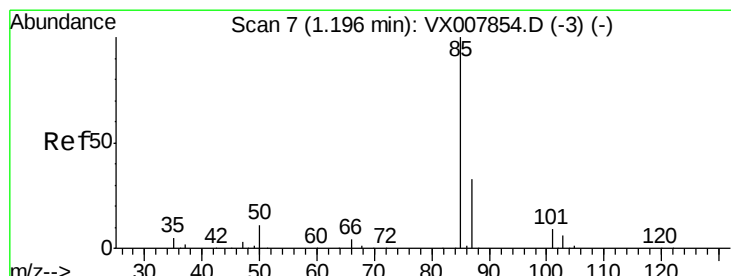
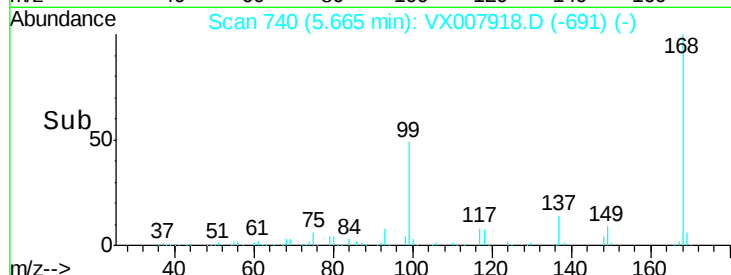
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 47.419 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007918.D

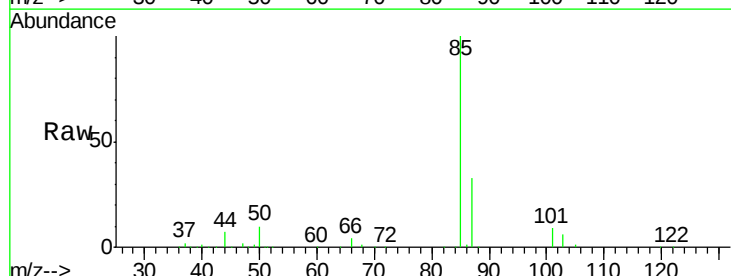
Acq: 08 Mar 2019 07:23

Tgt Ion: 85 Resp: 103379

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

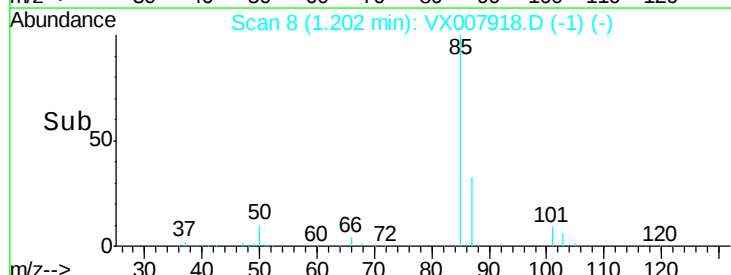
40000

20000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 51.629 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 145052

Ion Ratio Lower Upper

50 100

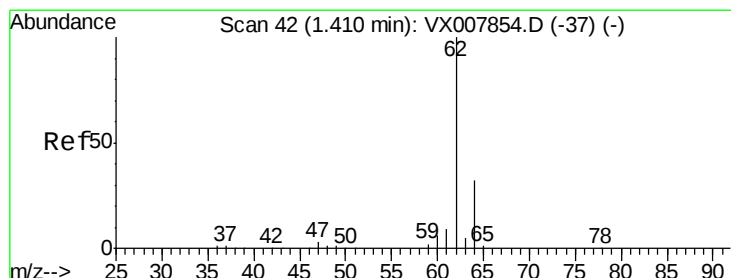
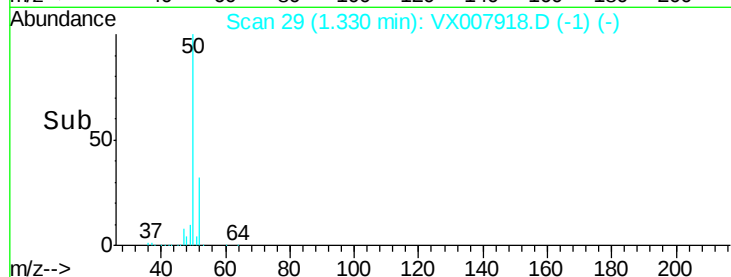
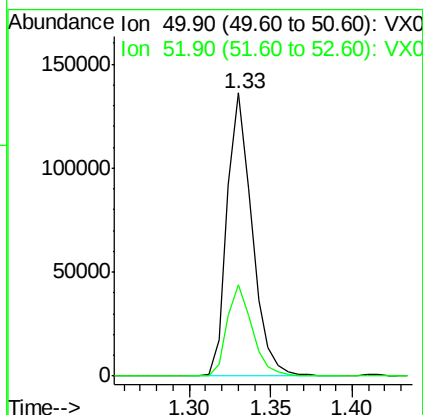
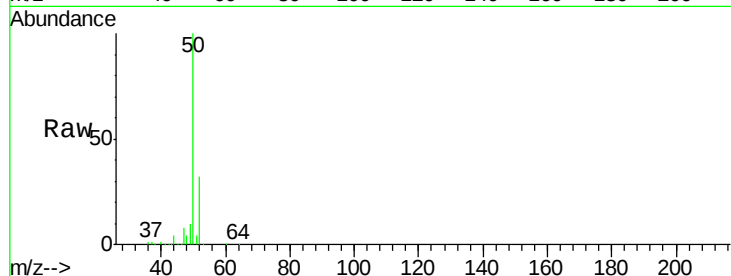
52 32.3 26.5 39.7

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#4

Vinyl Chloride

Concen: 50.819 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007918.D

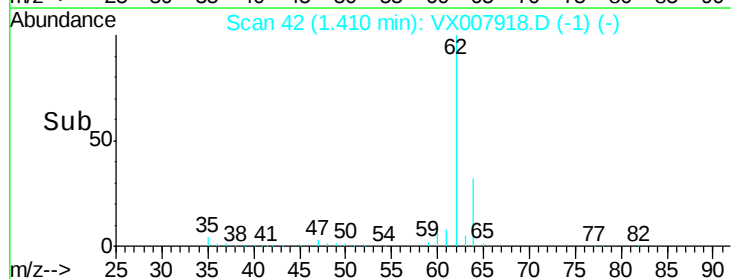
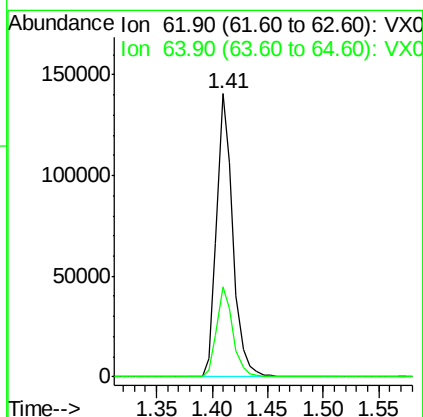
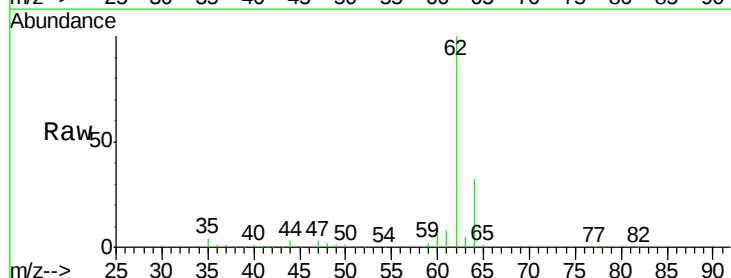
Acq: 08 Mar 2019 07:23

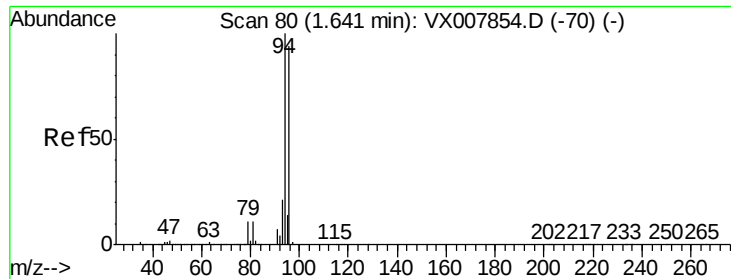
Tgt Ion: 62 Resp: 141864

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 49.858 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65320

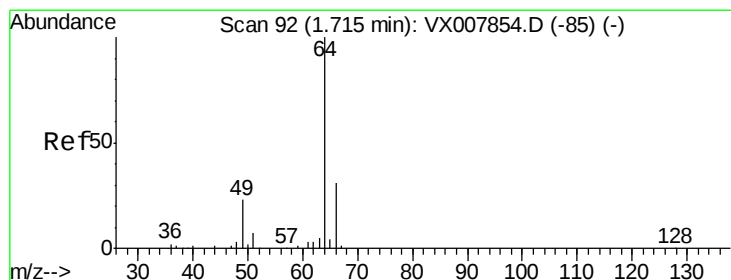
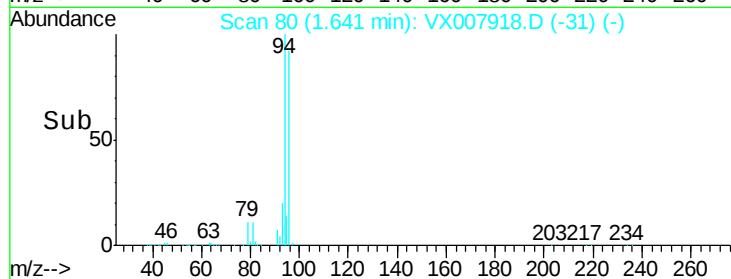
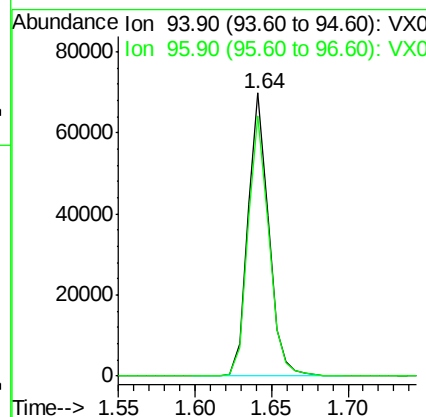
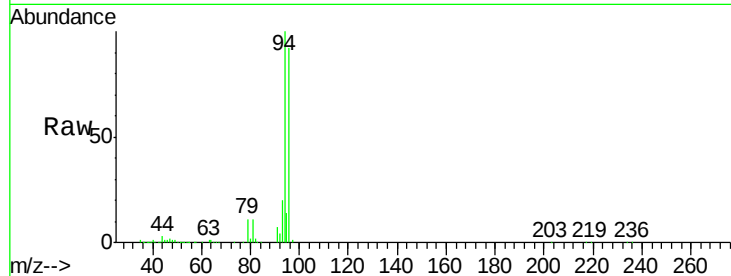
Ion Ratio Lower Upper

94 100

96 91.9 75.5 113.3

Manual Integrations
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#6

Chloroethane

Concen: 47.552 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007918.D

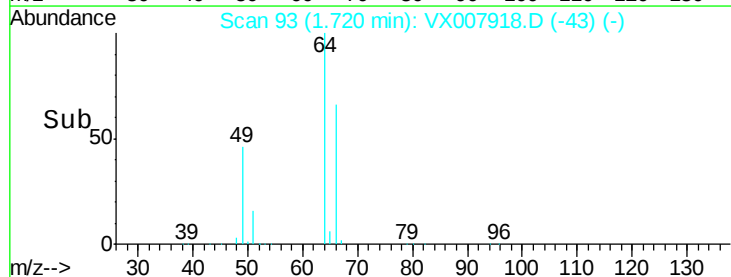
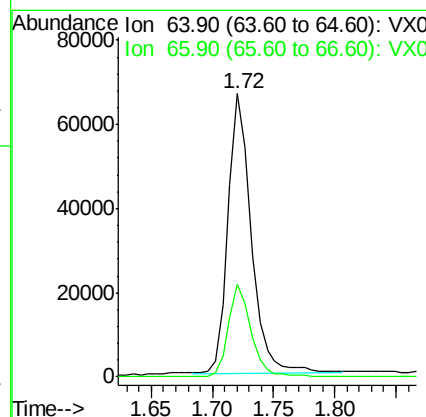
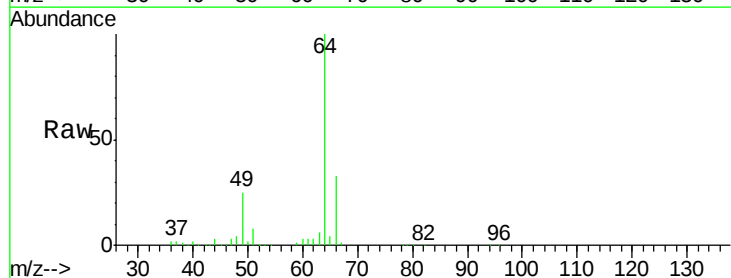
Acq: 08 Mar 2019 07:23

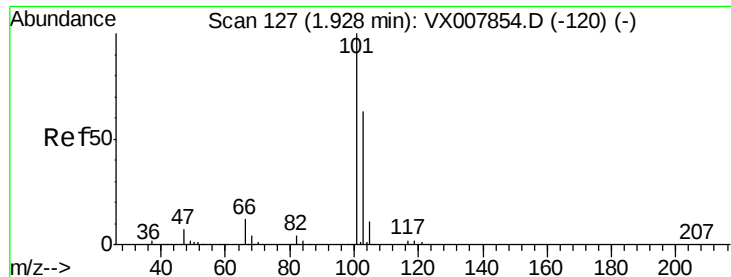
Tgt Ion: 64 Resp: 88185

Ion Ratio Lower Upper

64 100

66 32.9 25.2 37.8





#7

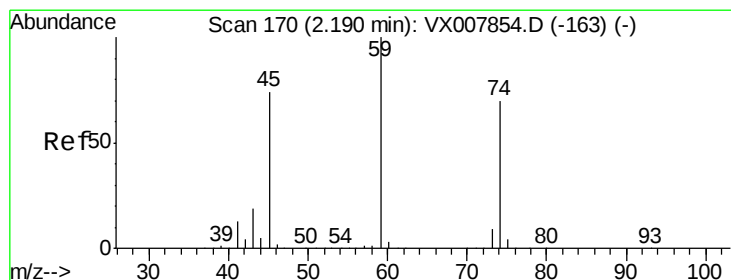
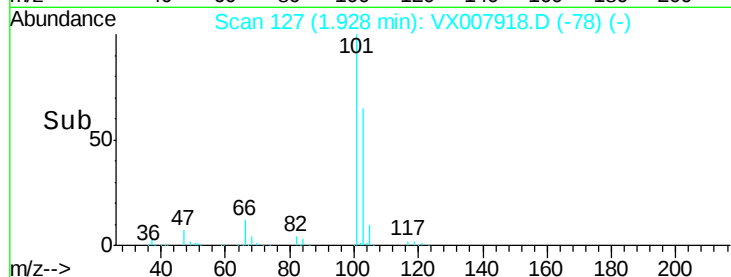
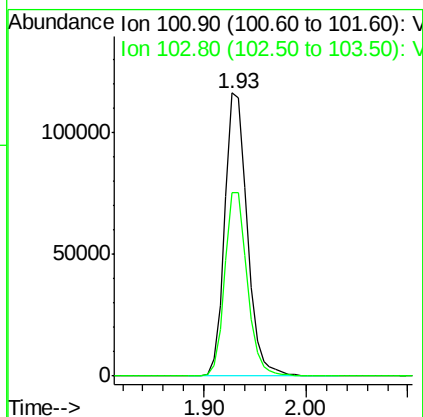
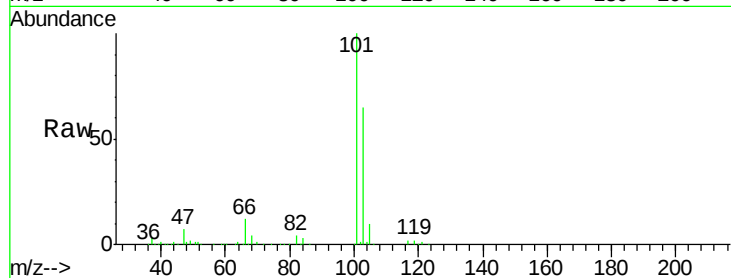
Trichlorofluoromethane
Concen: 49.077 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.4	75.6

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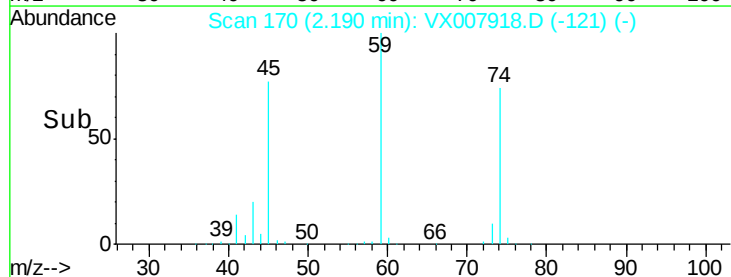
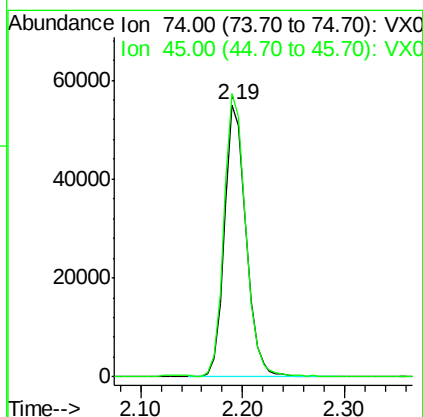
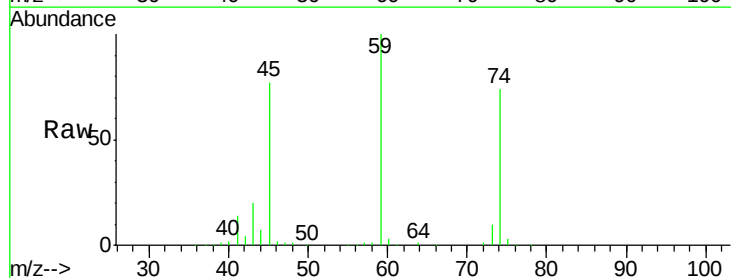
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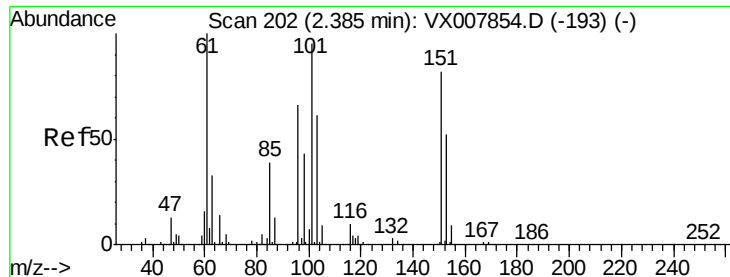


#8

Diethyl Ether
Concen: 51.183 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.444 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

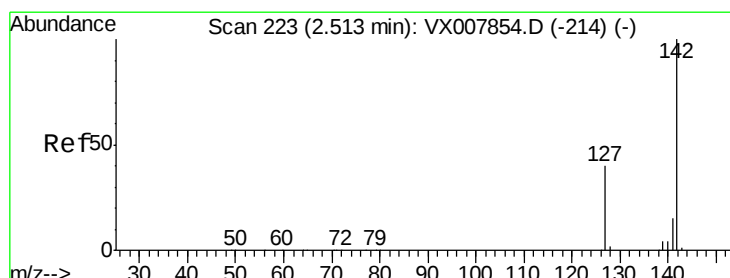
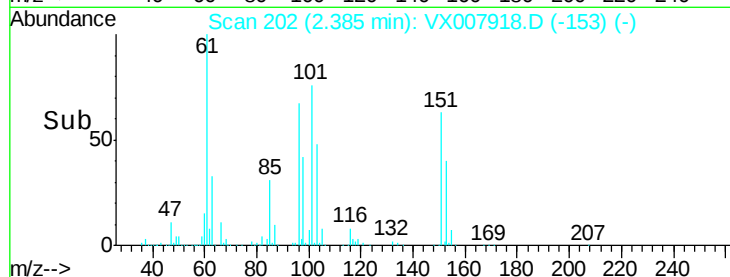
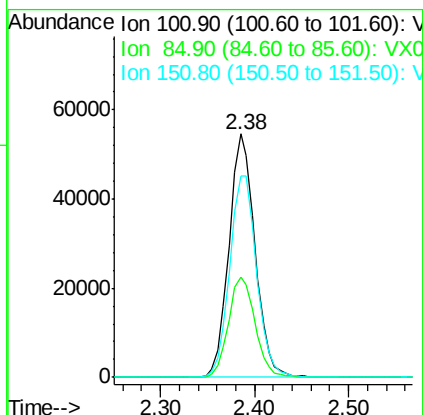
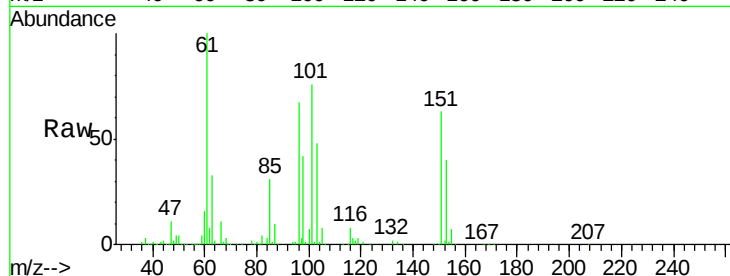
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	104605
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.8	50.6
151	86.0	69.1	103.7

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#10

Methyl Iodide

Concen: 54.023 ug/l

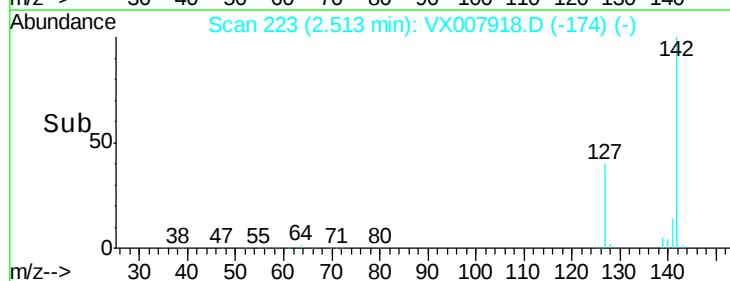
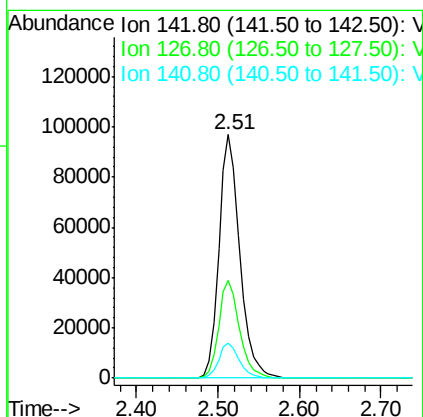
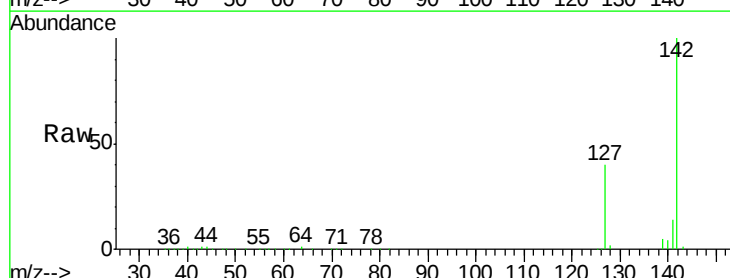
RT: 2.51 min Scan# 223

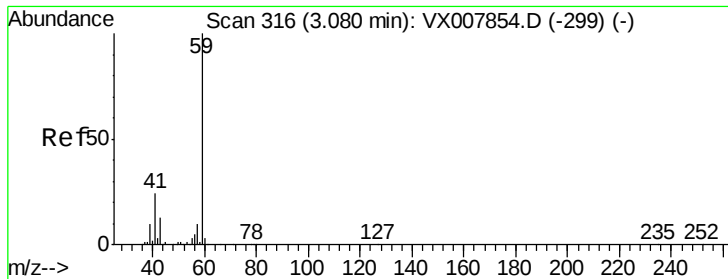
Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Tgt Ion:	142	Resp:	172617
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.1	48.1
141	14.2	11.4	17.2





#11

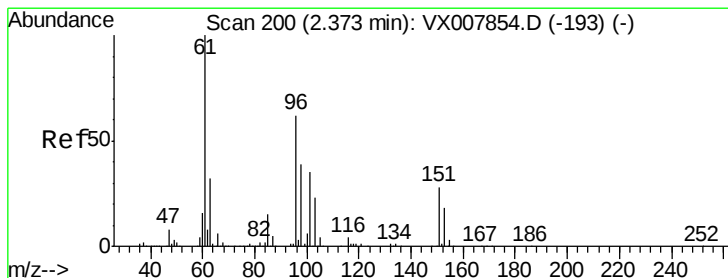
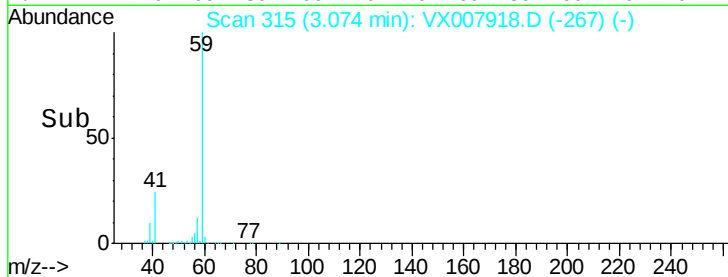
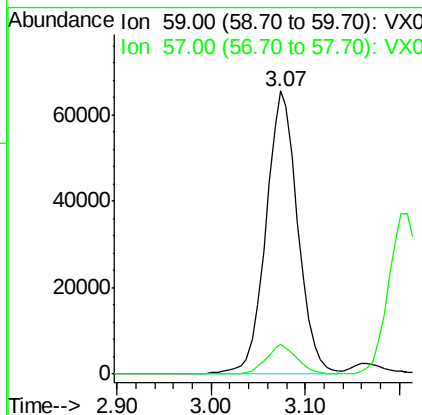
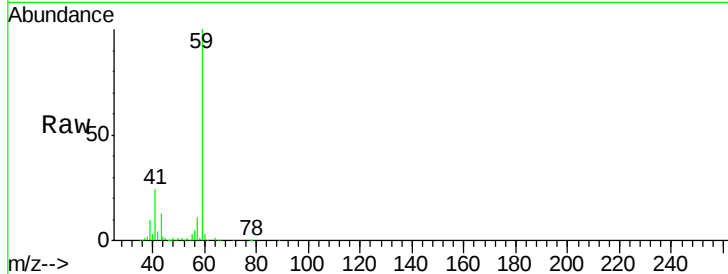
Tert butyl alcohol
Concen: 257.755 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
APPROVED

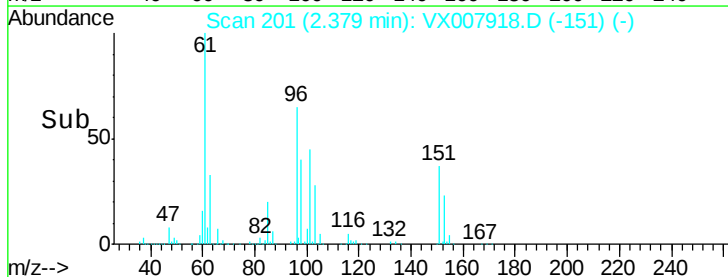
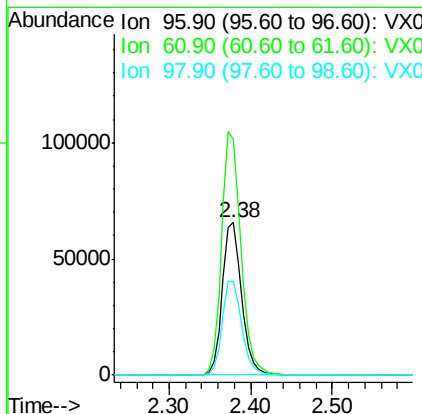
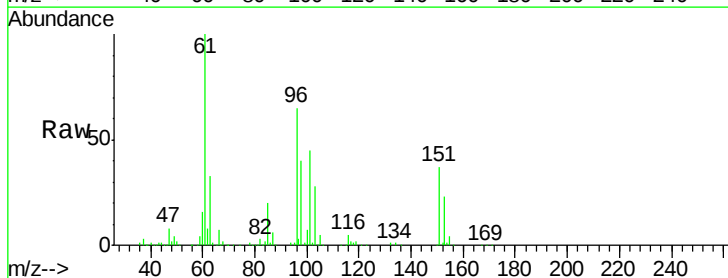
MMDadoda
3/8/2019 9:40:10 AM

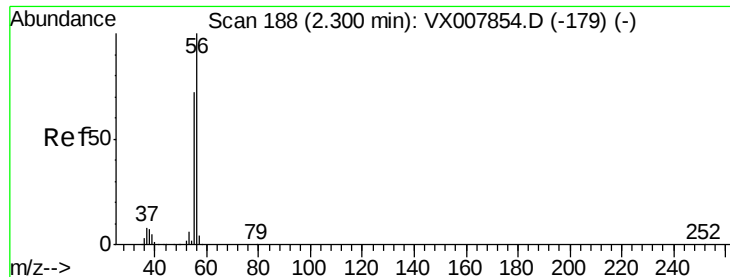


#12

1,1-Dichloroethene
Concen: 49.821 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	129.8	194.6
98	61.2	51.0	76.6





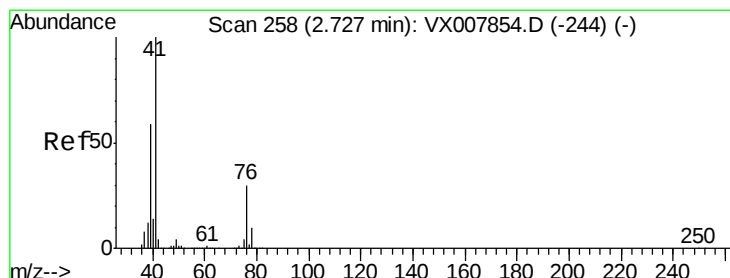
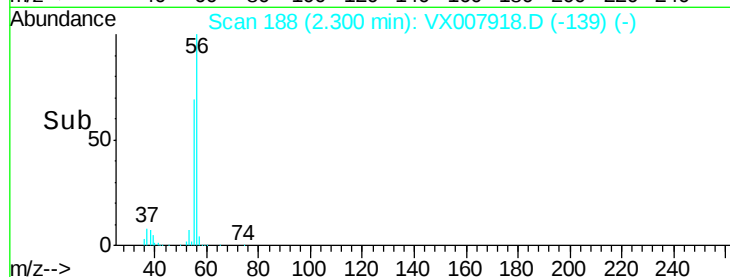
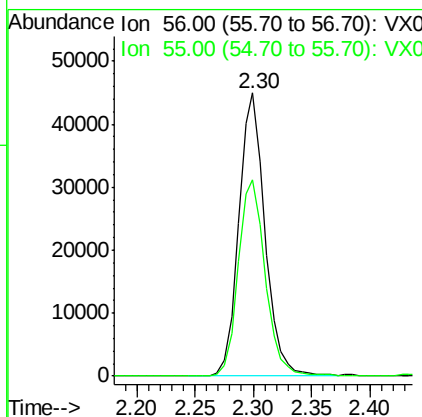
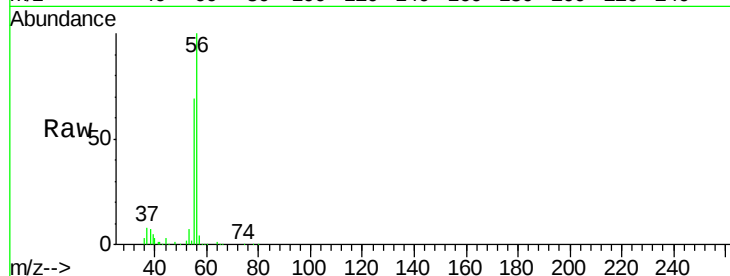
#13
Acrolein
Concen: 207.519 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	70606
Ion Ratio	100	Lower	Upper
55	71.7	57.8	86.6

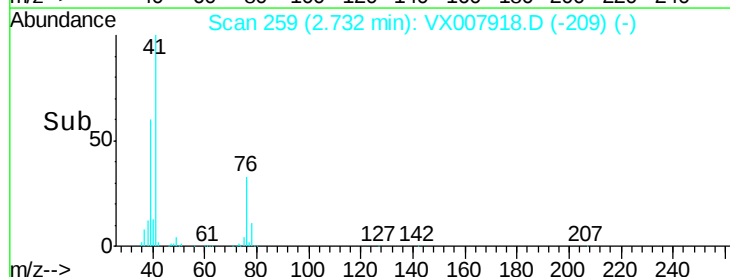
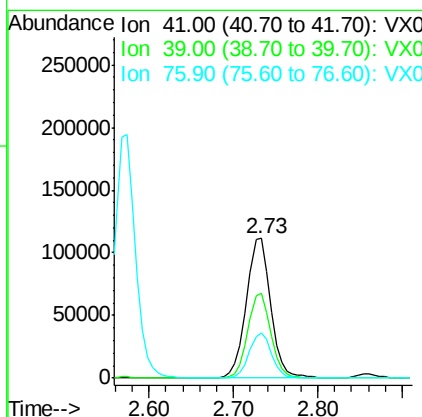
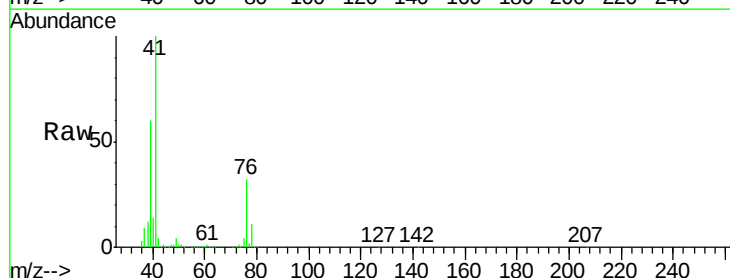
Manual Integrations
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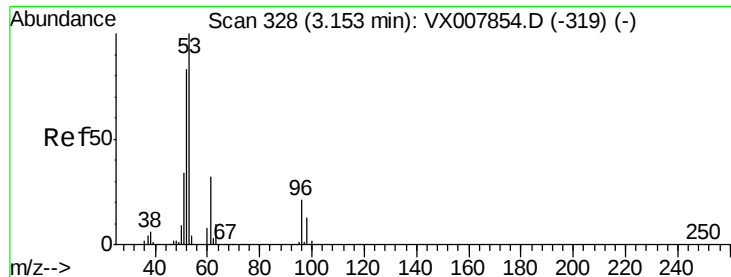
MMDadoda
3/8/2019 9:40:10 AM



#14
Allyl chloride
Concen: 47.705 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.01 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion	41	Resp	217634
Ion Ratio	100	Lower	Upper
39	56.9	46.1	69.1
76	29.6	24.0	36.0





#15

Acrylonitrile

Concen: 253.103 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

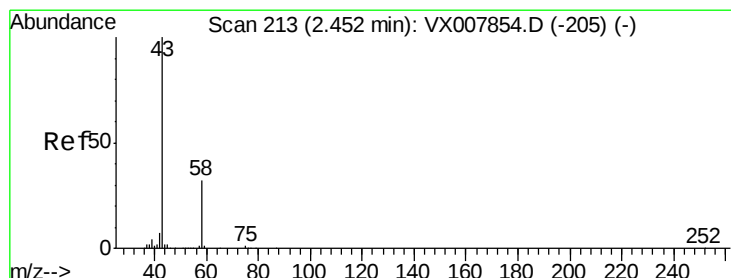
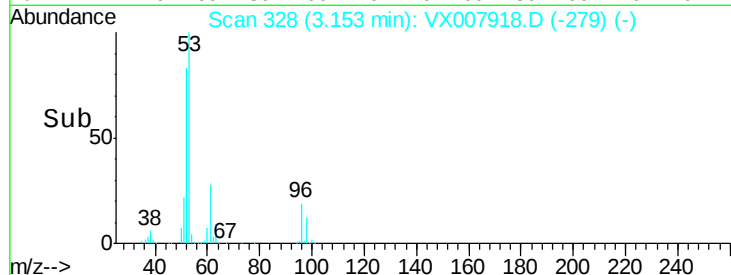
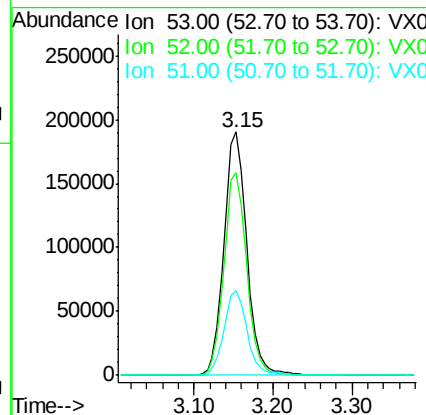
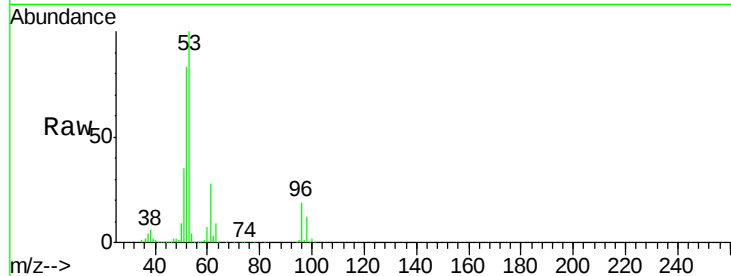
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	384586
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.0	99.0
51	35.3	28.0	42.0

Manual Integrations
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MMDadoda
3/8/2019 9:40:10 AM



#16

Acetone

Concen: 206.204 ug/l

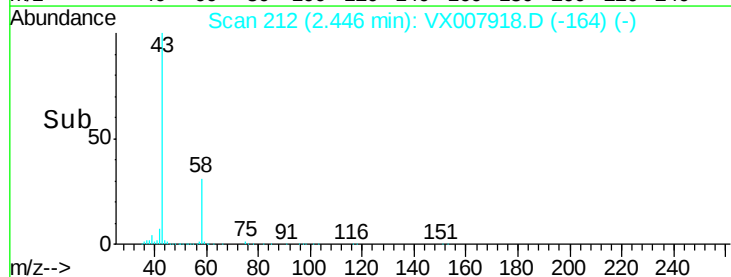
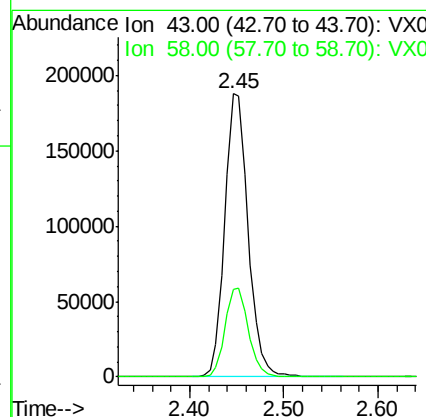
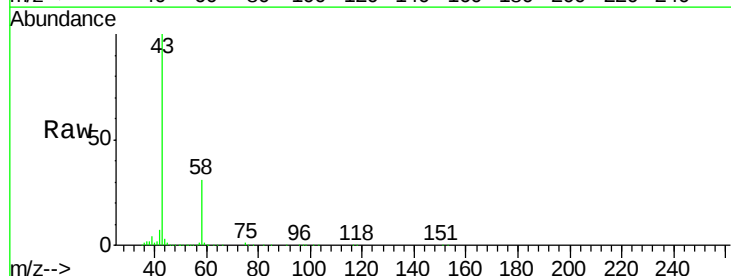
RT: 2.45 min Scan# 212

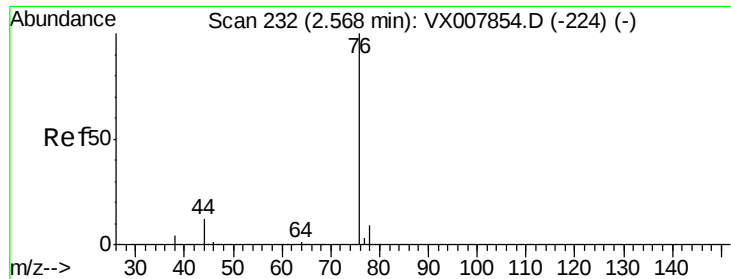
Delta R.T. -0.01 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Tgt Ion:	43	Resp:	321279
Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.5	38.3





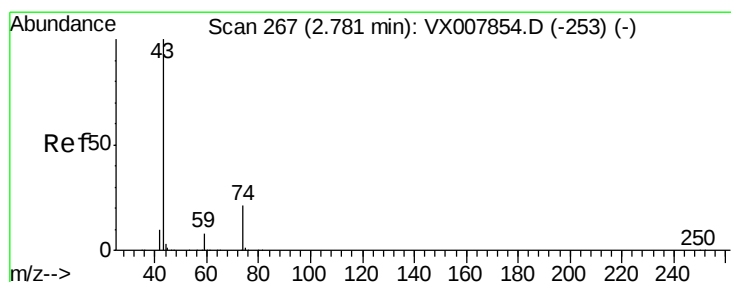
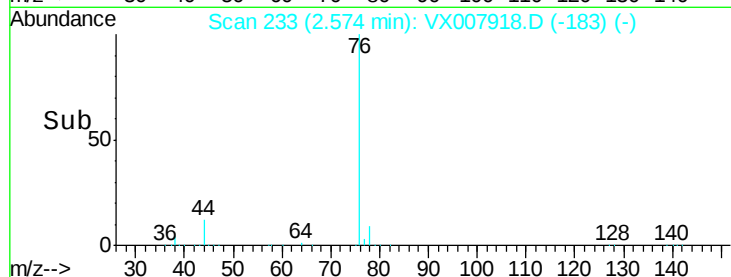
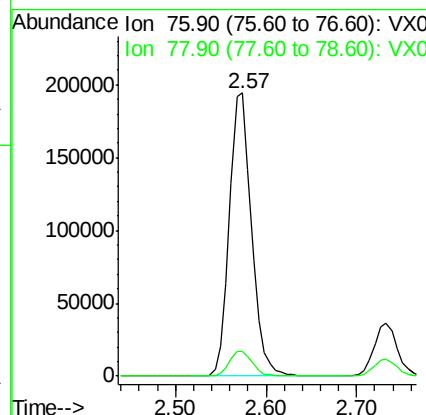
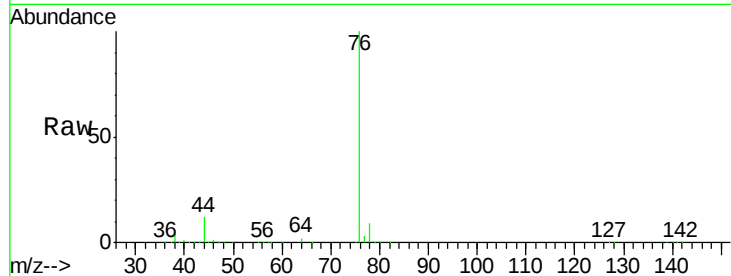
#17
Carbon Disulfide
Concen: 50.168 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

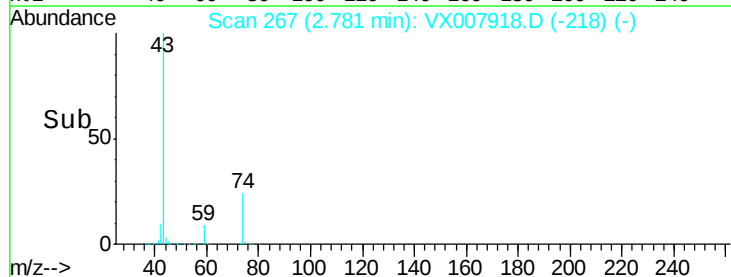
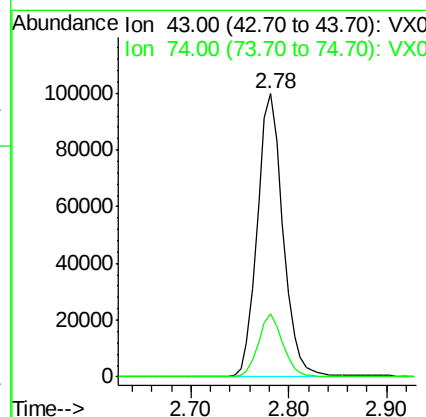
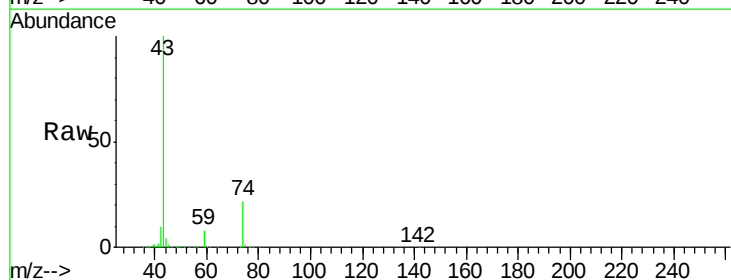
Manual Integrations
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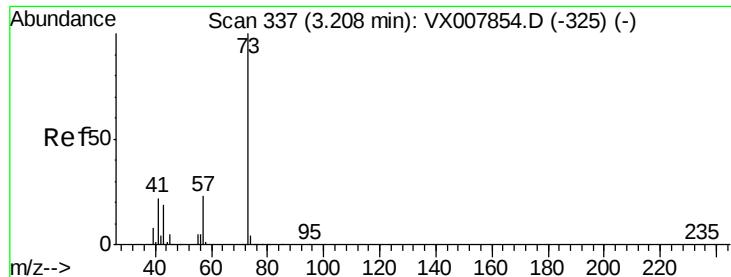
MMDadoda
3/8/2019 9:40:10 AM



#18
Methyl Acetate
Concen: 54.722 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.8	26.6





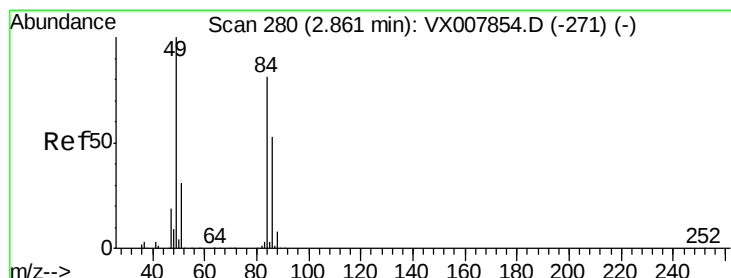
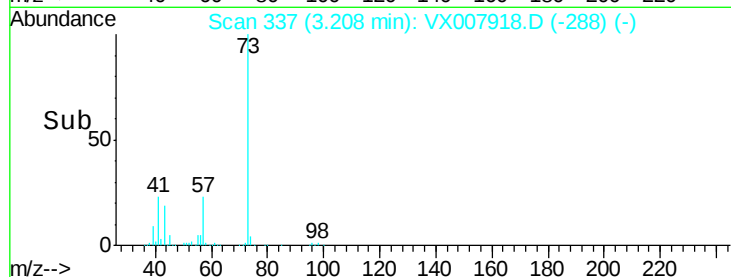
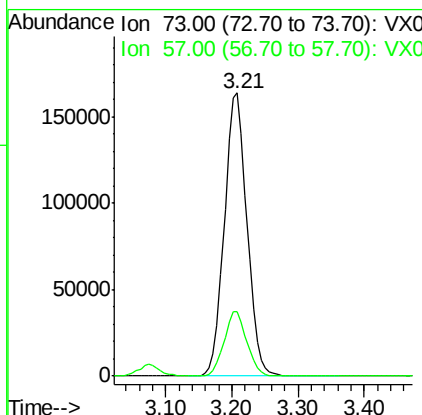
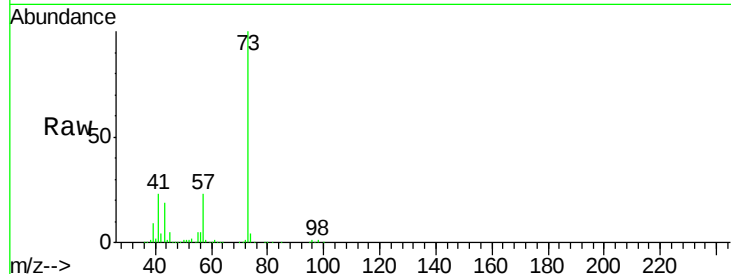
#19
Methvl tert-butvl Ether
Concen: 51.824 ug/l
RT: 3.21 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.2	27.4

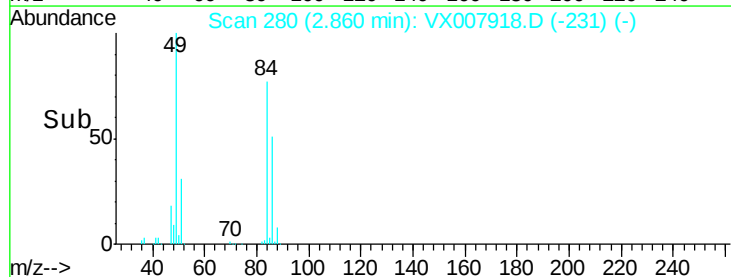
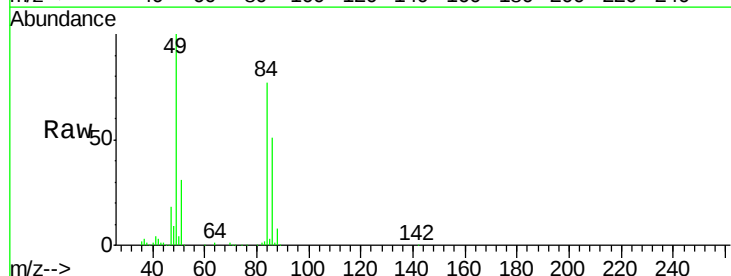
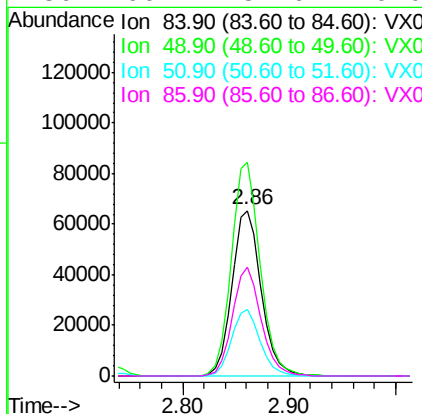
Manual Integrations
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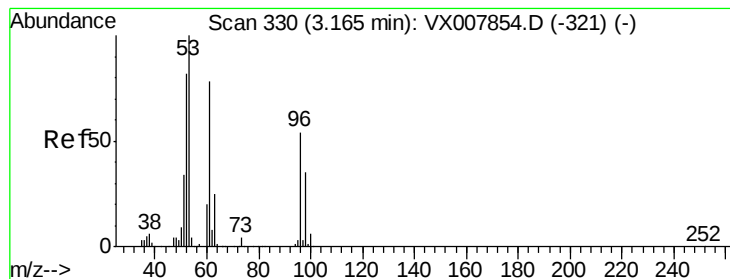
MMDadoda
3/8/2019 9:40:10 AM



#20
Methylene Chloride
Concen: 50.678 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.3	99.3	148.9
51	40.1	31.3	46.9
86	66.2	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 48.745 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 116446

Ion Ratio Lower Upper

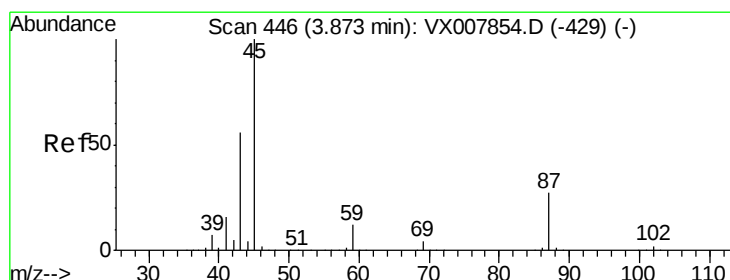
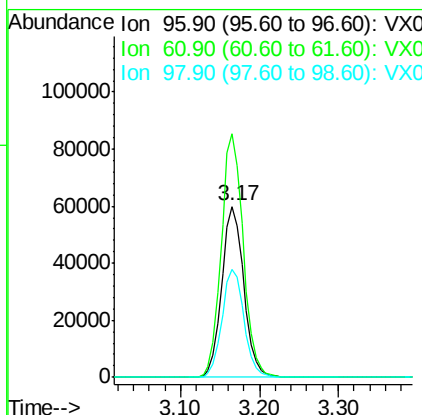
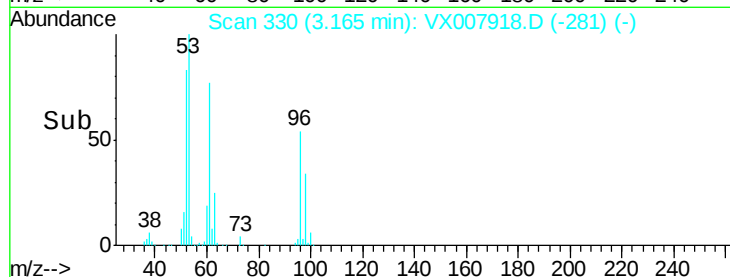
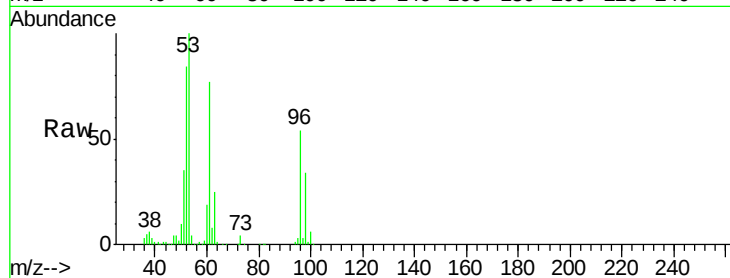
96 100

61 142.7 114.4 171.6

98 62.9 51.1 76.7

Manual Integrations
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3/8/2019 9:40:10 AM



#22

Diisopropyl ether

Concen: 50.751 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Tgt Ion: 45 Resp: 424416

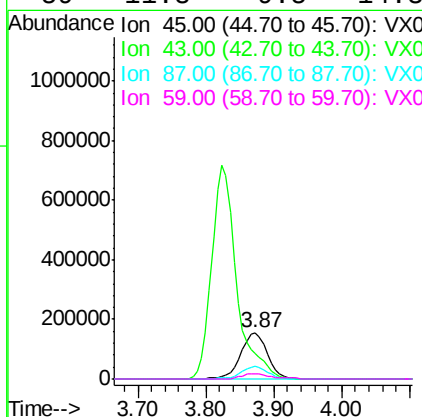
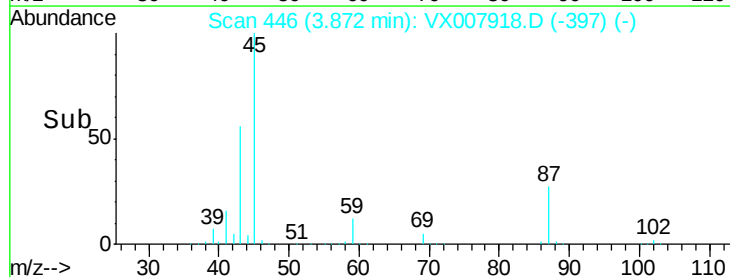
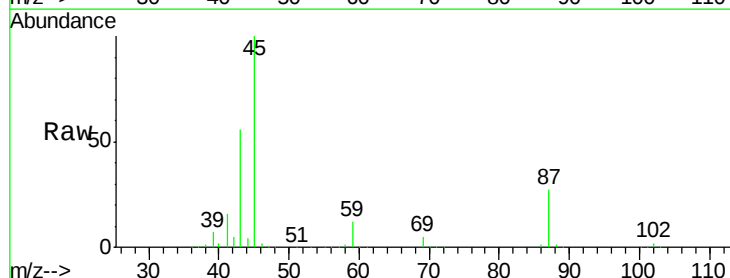
Ion Ratio Lower Upper

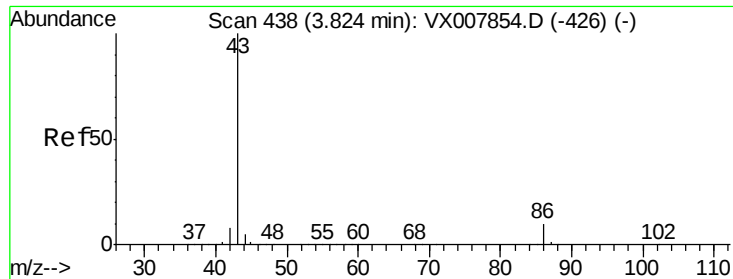
45 100

43 55.8 45.3 67.9

87 26.7 21.4 32.0

59 11.8 9.5 14.3





#23

Vinyl Acetate

Concen: 248.996 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1826017

Ion Ratio Lower Upper

43 100

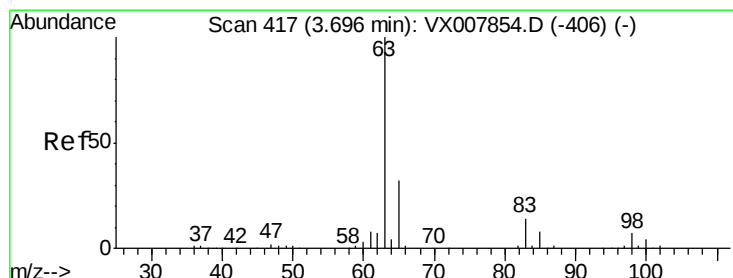
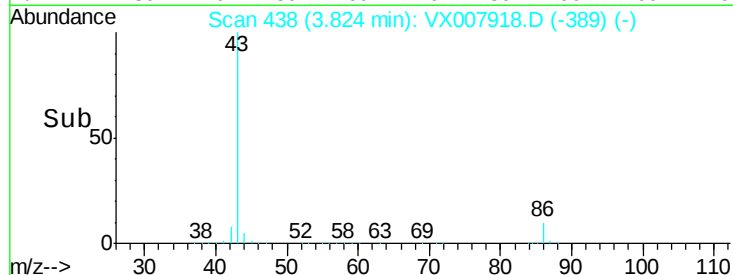
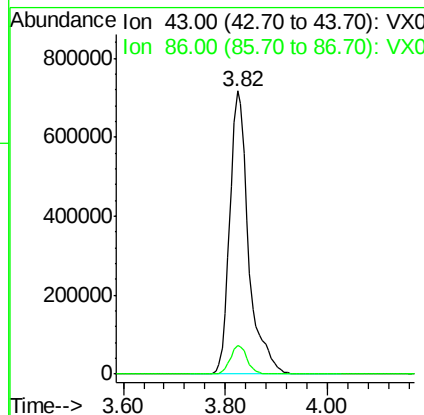
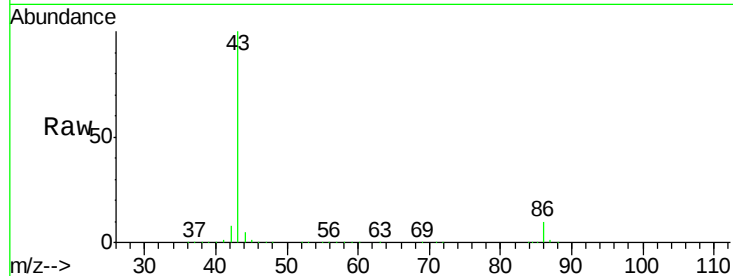
86 9.9 7.9 11.9

Manual Integrations

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3/8/2019 9:40:10 AM



#24

1,1-Dichloroethane

Concen: 50.573 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

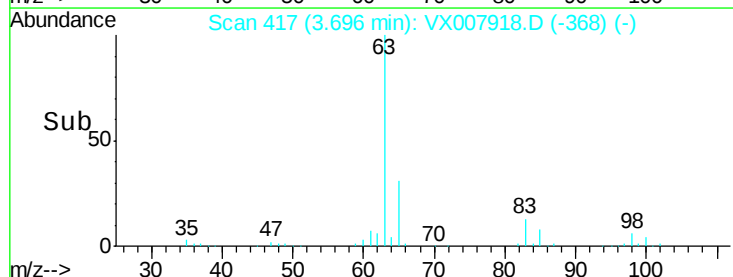
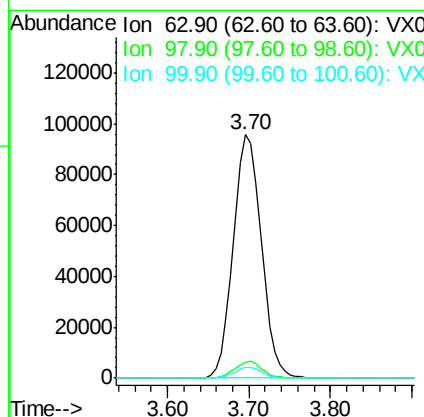
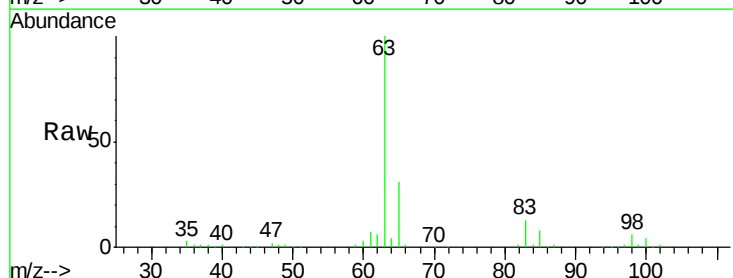
Tgt Ion: 63 Resp: 227598

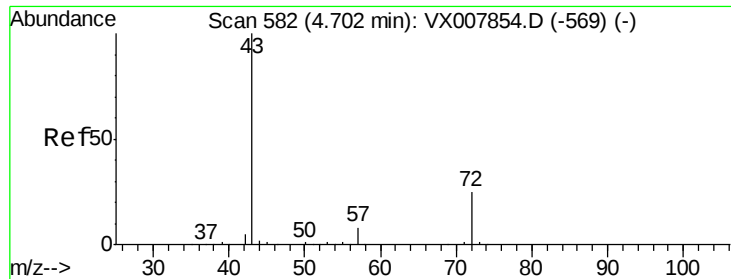
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.3 2.3 6.8





#25

2-Butanone

Concen: 240.540 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 530588

Ion Ratio Lower Upper

43 100

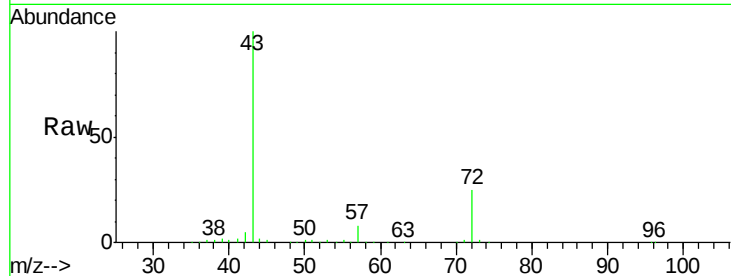
72 24.9 19.9 29.9

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

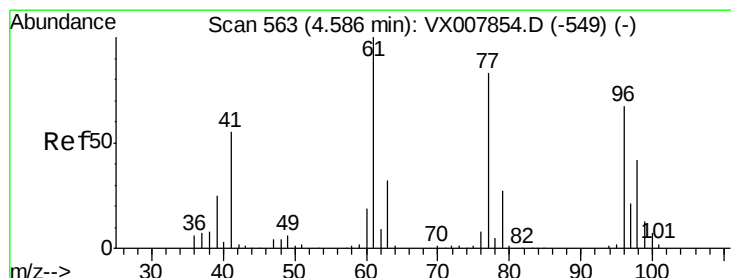
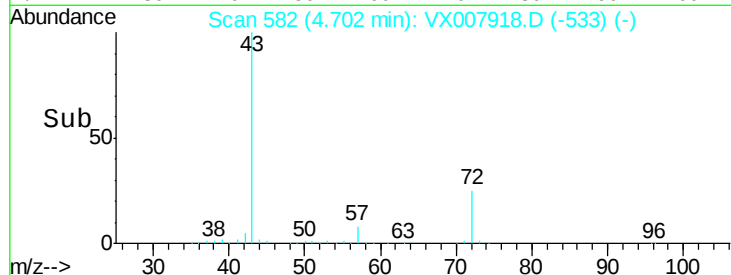
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 31.656 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007918.D

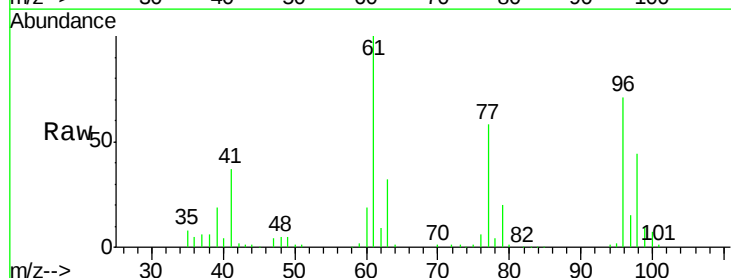
Acq: 08 Mar 2019 07:23

Tgt Ion: 77 Resp: 94384

Ion Ratio Lower Upper

77 100

97 26.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

20000

10000

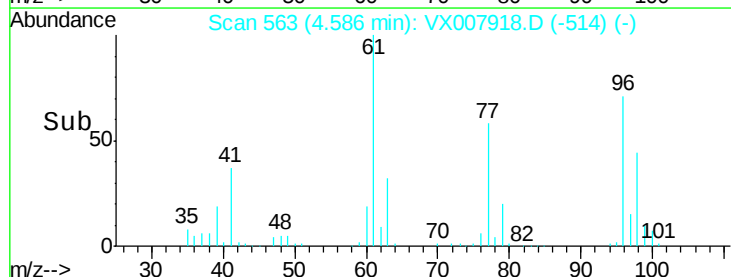
0

4.50

4.60

4.70

Time-->





#27

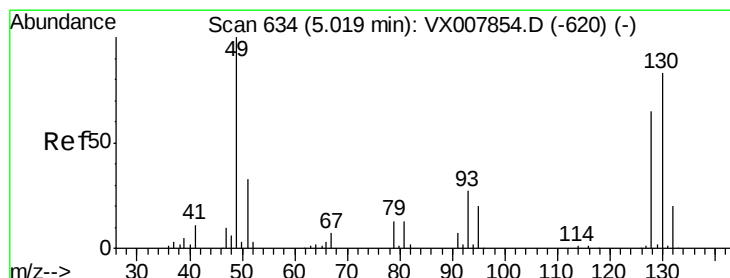
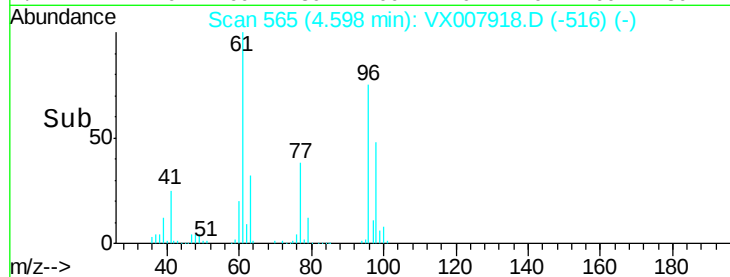
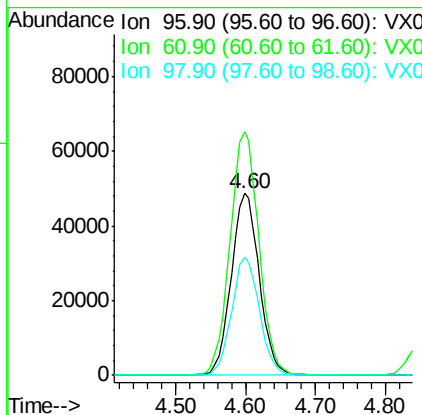
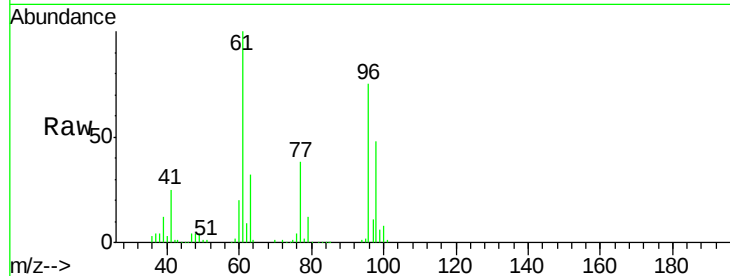
cis-1,2-Dichloroethene
 Concen: 49.453 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	135184		
61	138.1	0.0	288.0	
98	64.2	0.0	129.0	

Manual Integrations
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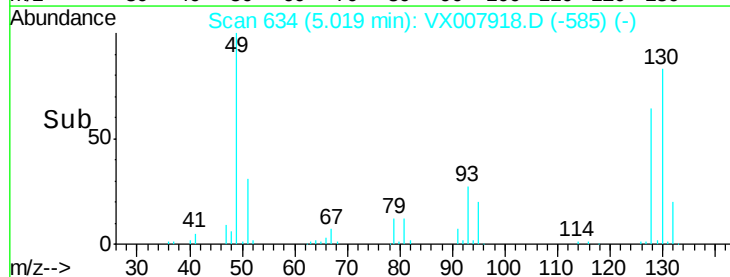
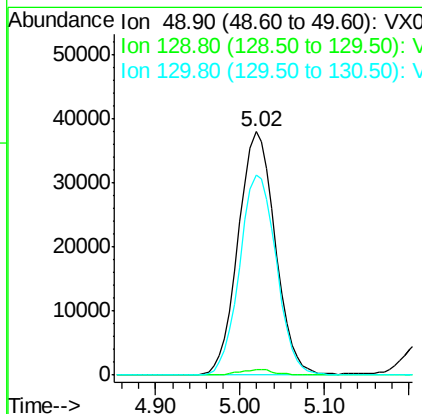
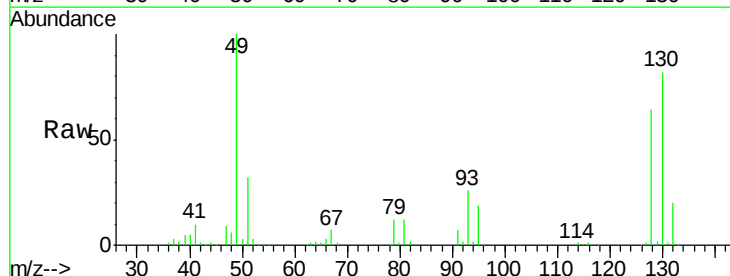
MMDadoda
 3/8/2019 9:40:10 AM



#28

Bromochloromethane
 Concen: 54.025 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	113352		
129	2.1	0.0	4.0	
130	81.6	65.0	97.4	





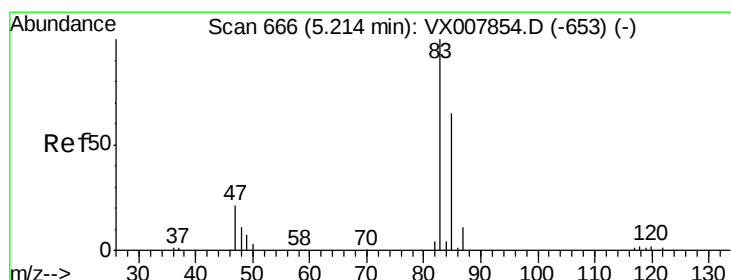
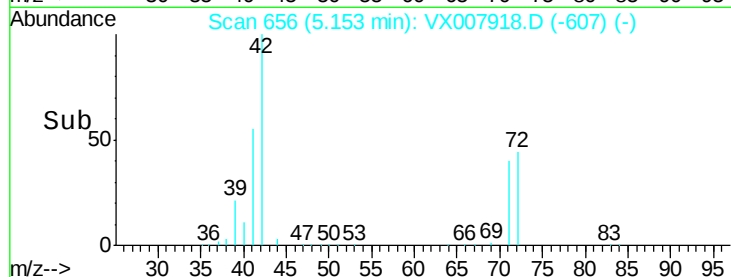
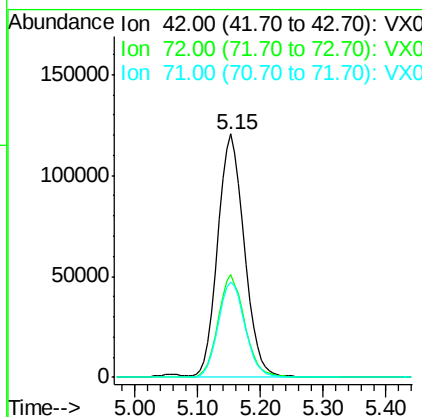
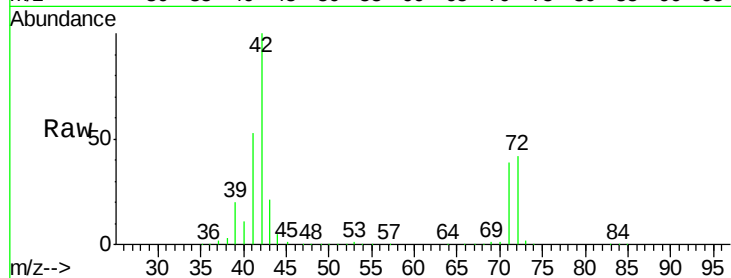
#29
Tetrahydrofuran
Concen: 257.306 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	39.6	31.5	47.3

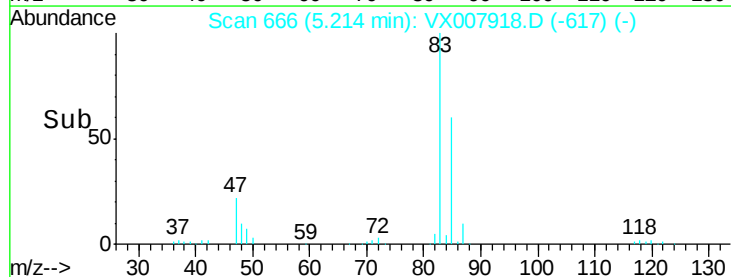
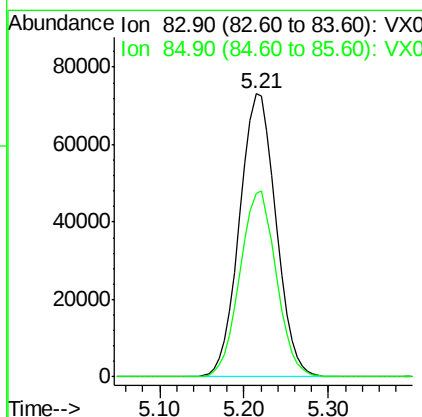
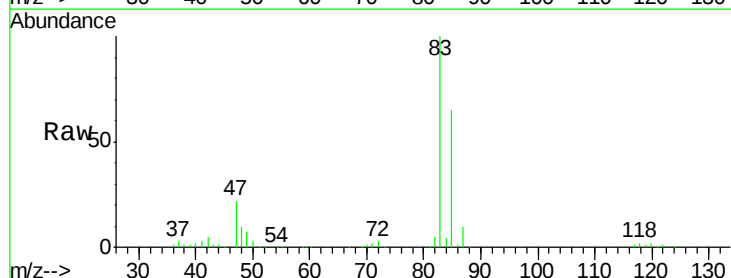
Manual Integrations
APPROVED

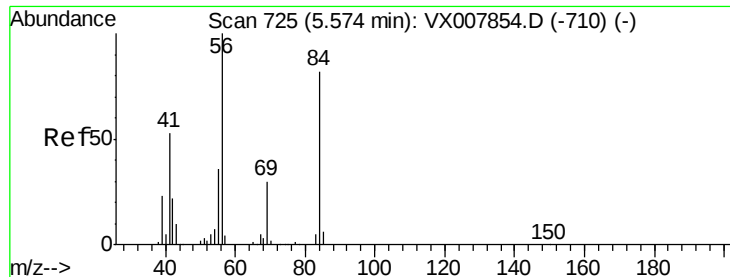
MMDadoda
3/8/2019 9:40:10 AM



#30
Chloroform
Concen: 50.469 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





#31

Cyclohexane

Concen: 48.266 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

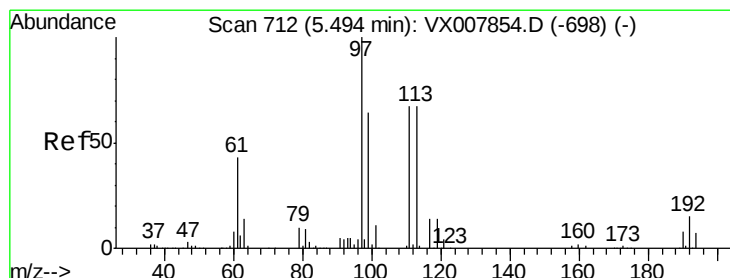
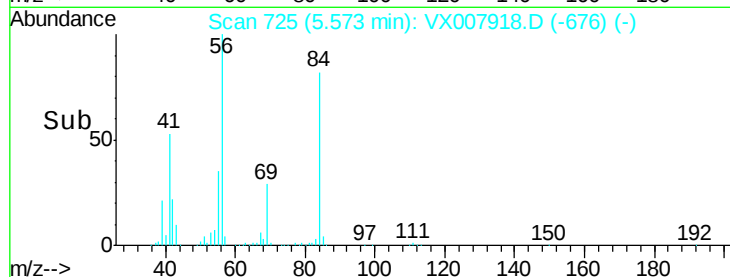
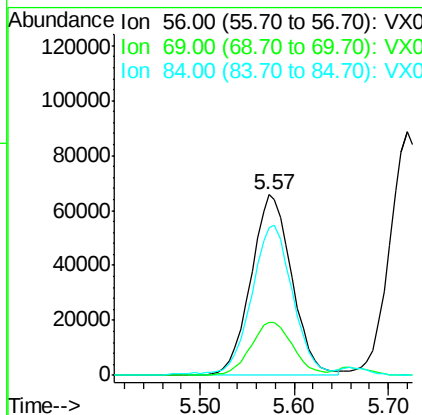
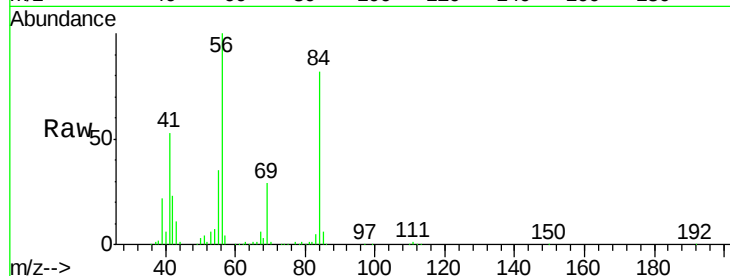
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	199637
Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.0	36.0
84	80.4	65.3	97.9

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3/8/2019 9:40:10 AM



#32

1,1,1-Trichloroethane

Concen: 50.699 ug/l

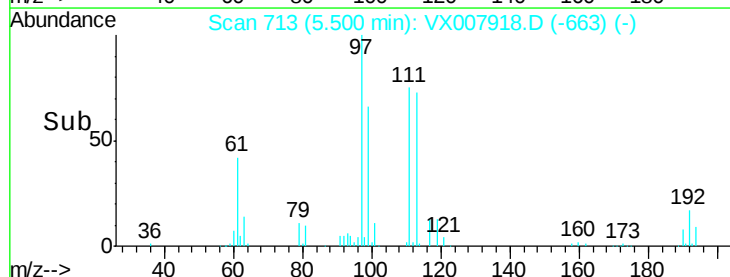
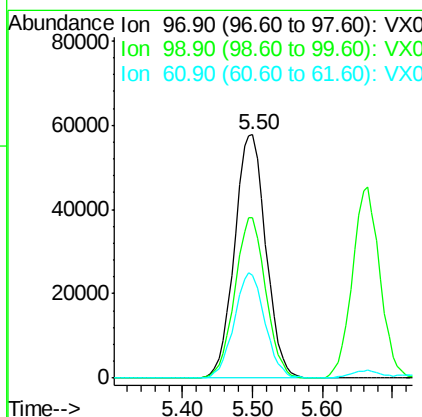
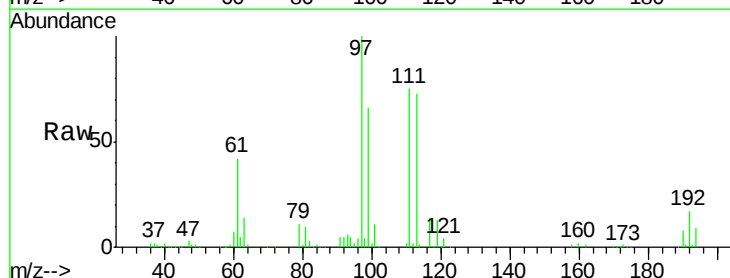
RT: 5.50 min Scan# 713

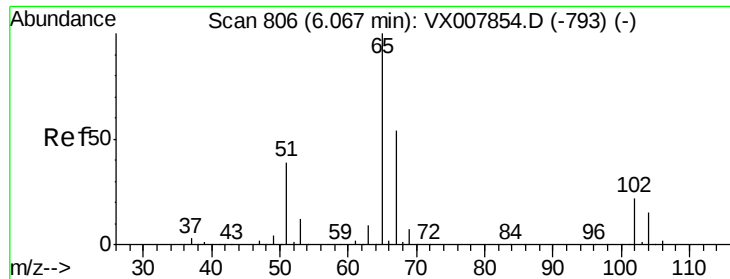
Delta R.T. 0.01 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Tgt Ion:	97	Resp:	179075
Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.2
61	42.7	34.9	52.3





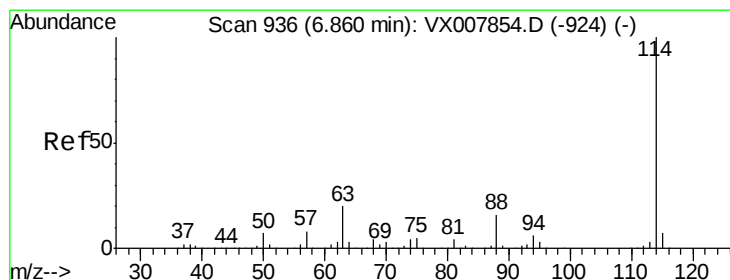
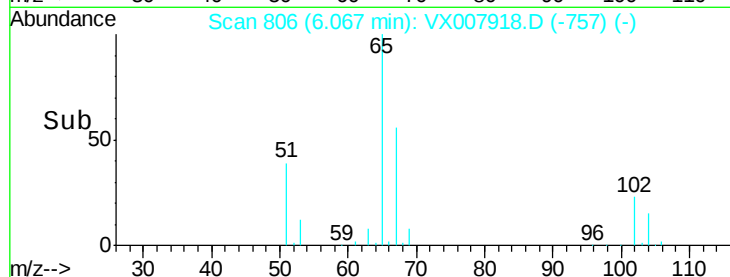
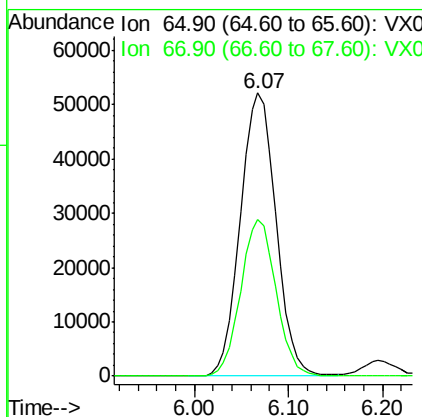
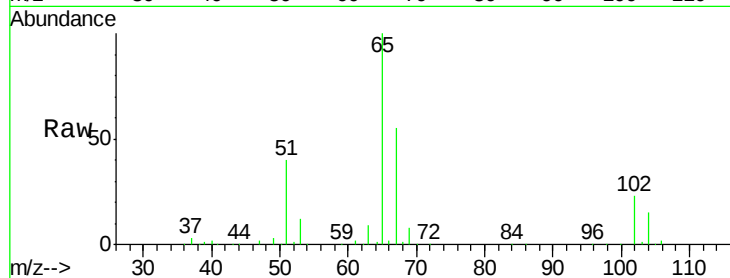
#33
 1,2-Dichloroethane-d4
 Concen: 51.181 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 137771
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.0

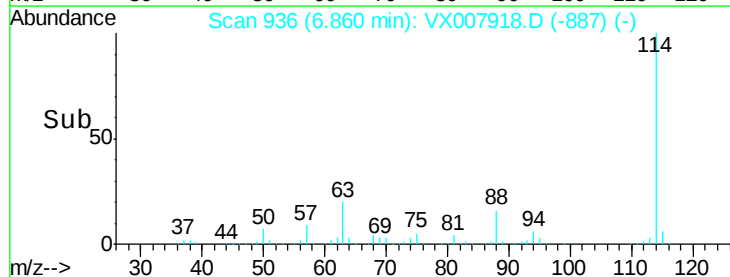
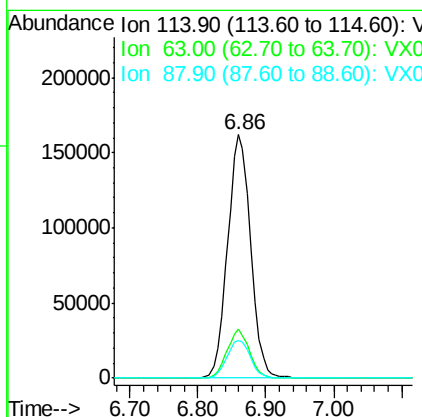
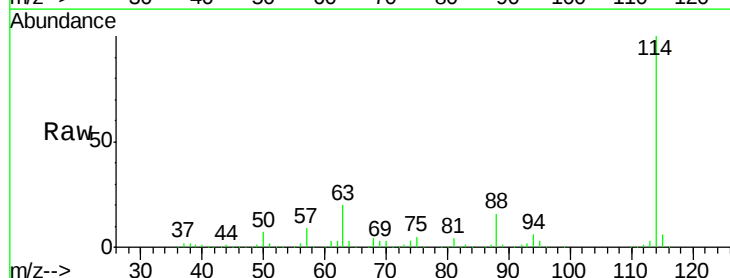
Manual Integrations
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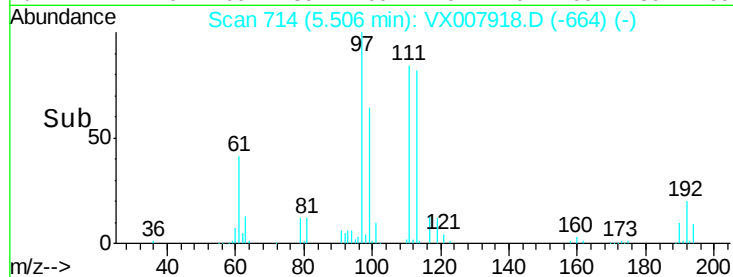
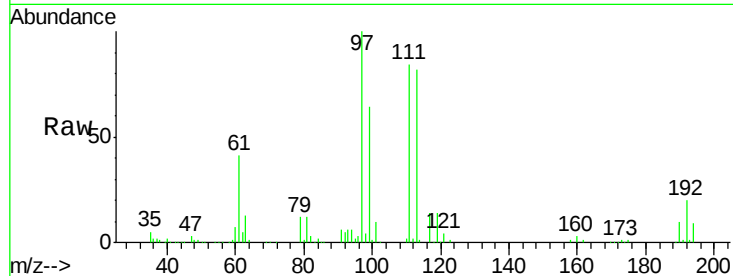
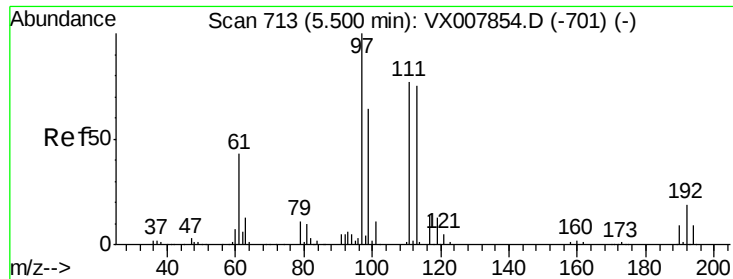
MMDadoda
 3/8/2019 9:40:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Tgt Ion: 114 Resp: 378489
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.7 0.0 31.4





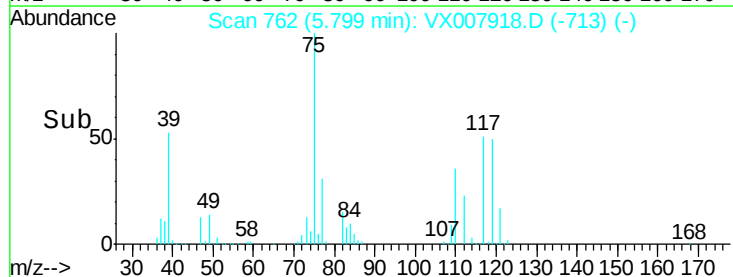
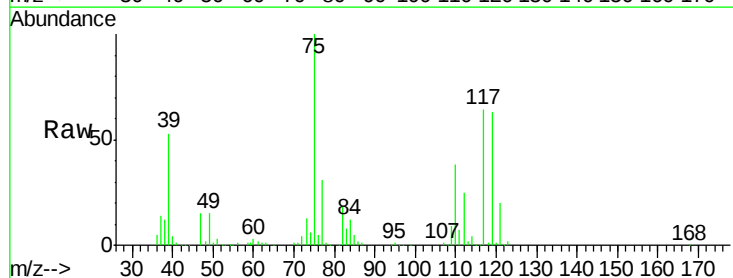
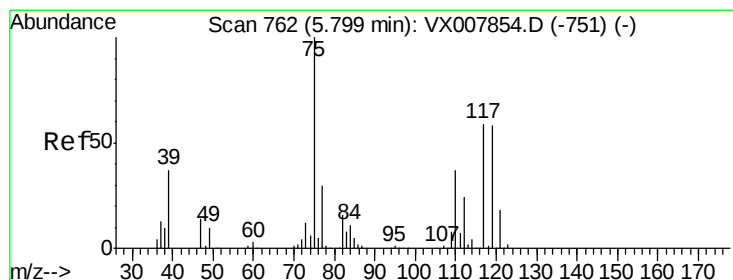
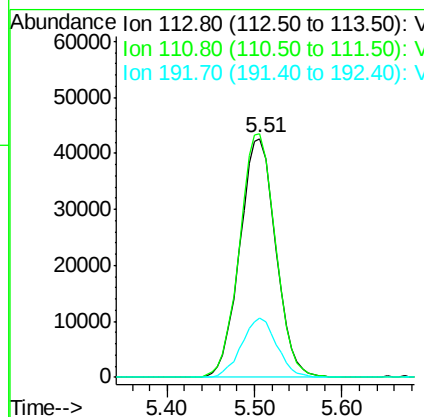
#35
Dibromofluoromethane
Concen: 50.298 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121774		
111	102.2	81.4	122.0	
192	24.3	19.4	29.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

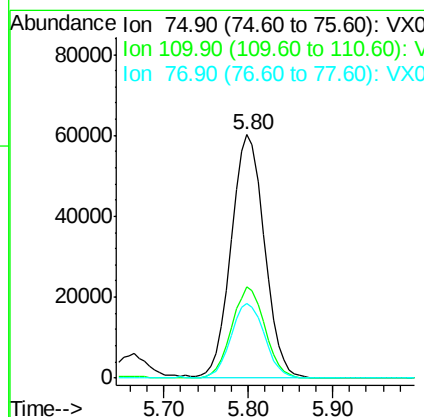
Manual Integrations
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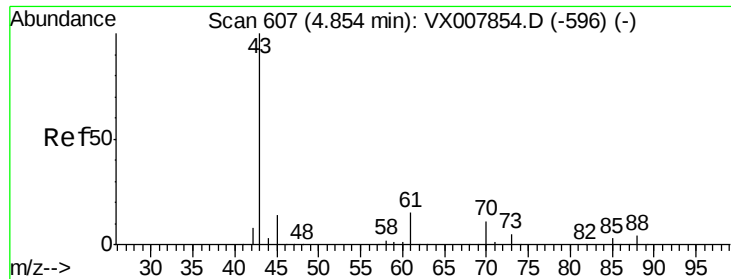
MMDadoda
3/8/2019 9:40:10 AM



#36
1,1-Dichloropropene
Concen: 46.958 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	160931		
110	37.4	18.4	55.0	
77	31.2	25.0	37.4	





#37

Ethyl Acetate

Concen: 48.950 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

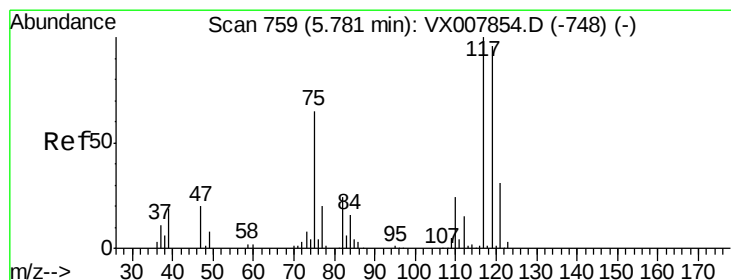
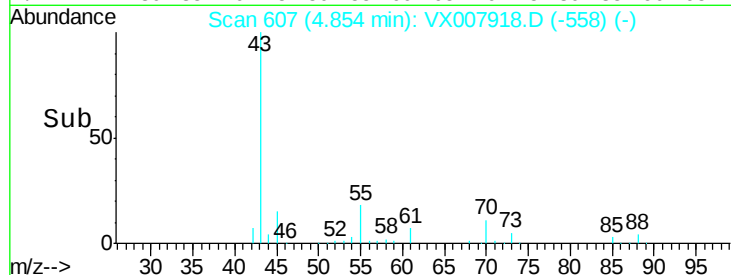
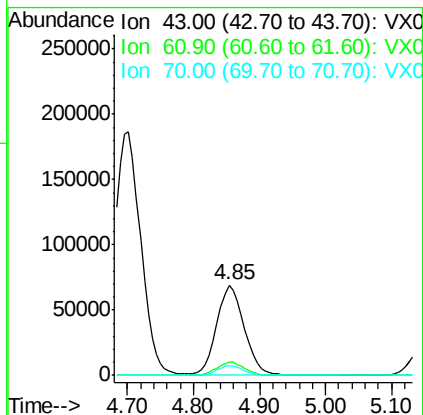
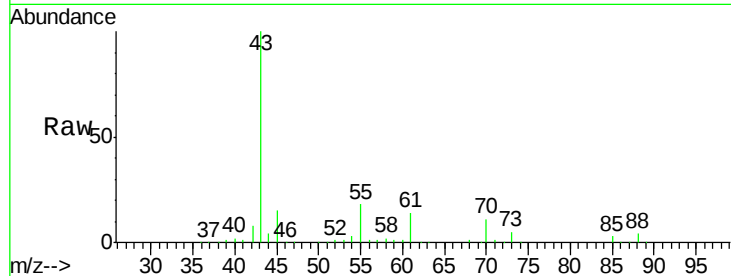
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	199080
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.3	16.9
70	10.7	8.5	12.7

Manual Integrations
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MMDadoda
3/8/2019 9:40:10 AM



#38

Carbon Tetrachloride

Concen: 48.102 ug/l

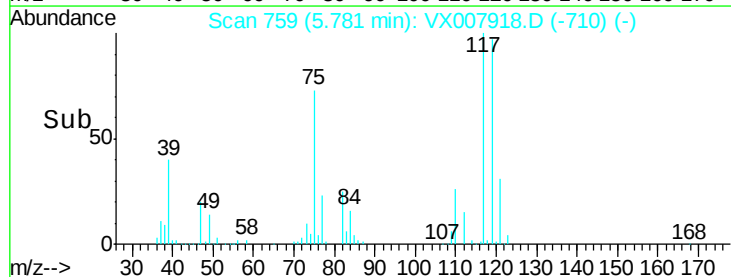
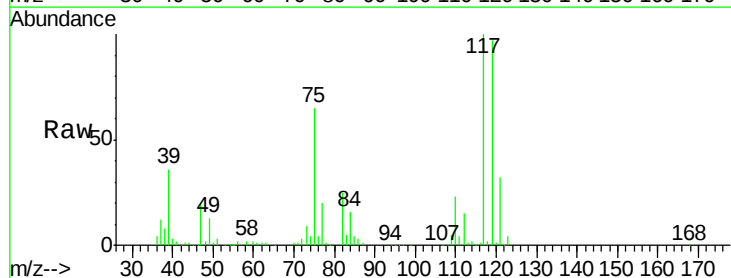
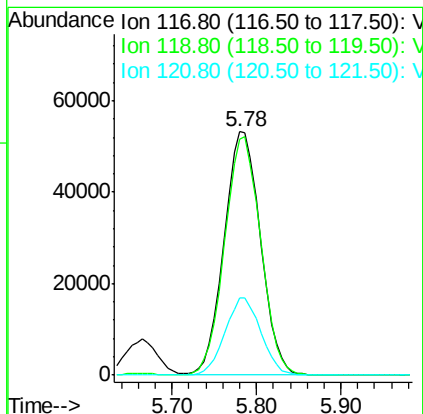
RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Tgt Ion:	117	Resp:	156504
Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.2	114.2
121	31.6	24.6	36.8





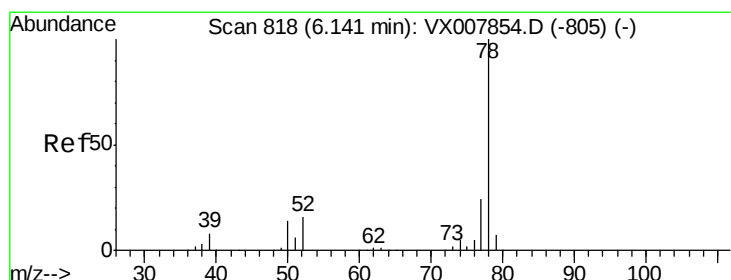
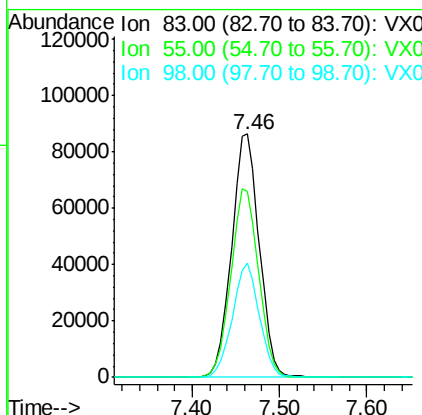
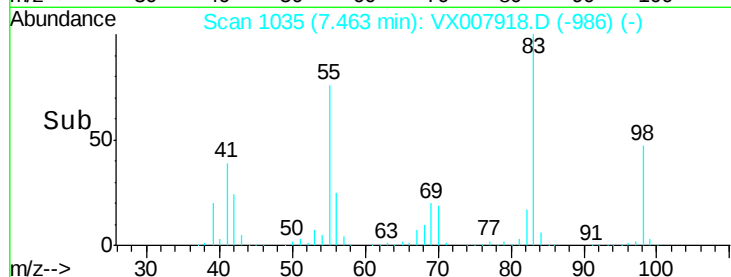
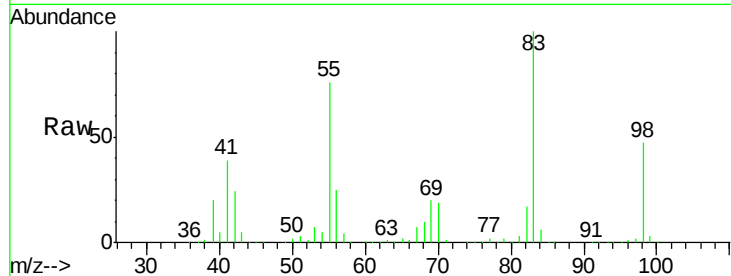
#39
Methvlcvclohexane
Concen: 45.659 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	60.4	90.6
98	46.8	36.5	54.7

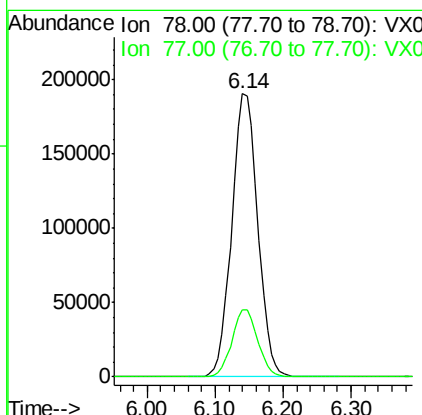
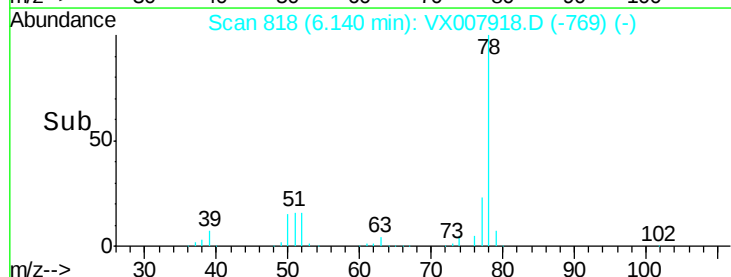
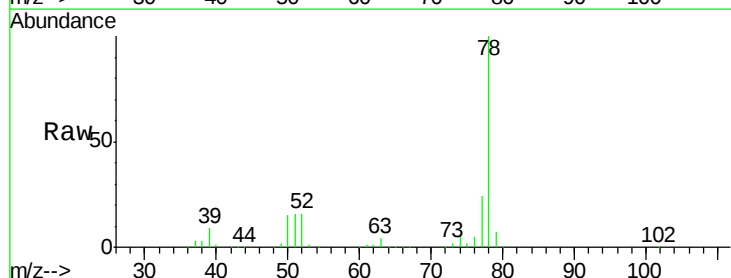
Manual Integrations
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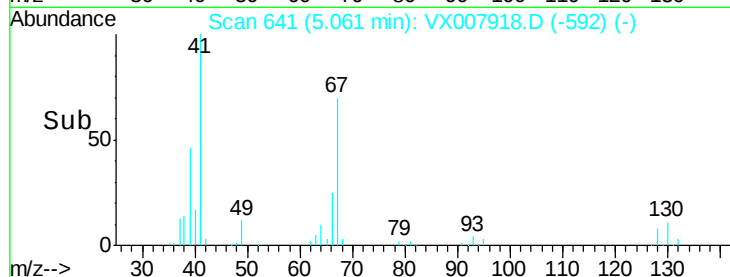
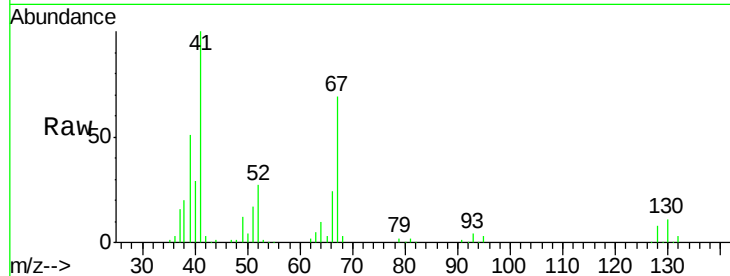
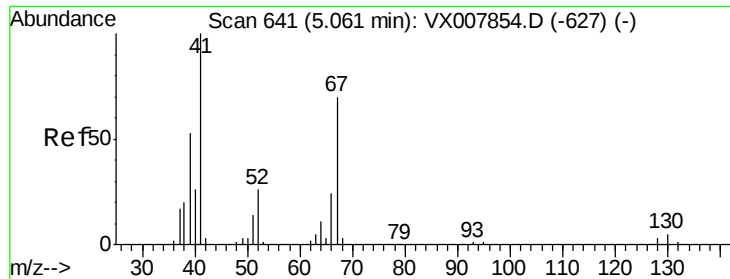
MMDadoda
3/8/2019 9:40:10 AM



#40
Benzene
Concen: 49.555 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

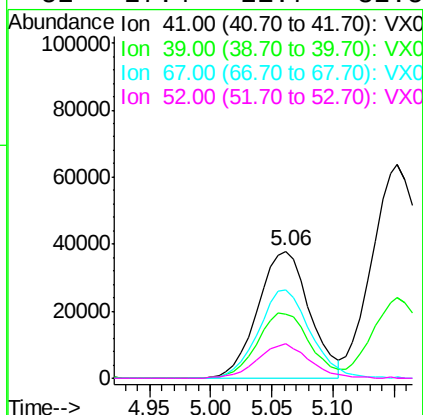
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





#41
Methacrylonitrile
Concen: 50.181 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

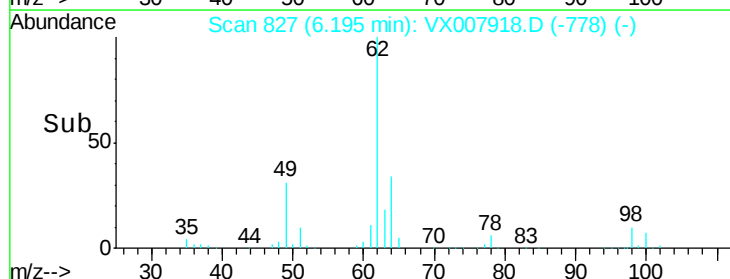
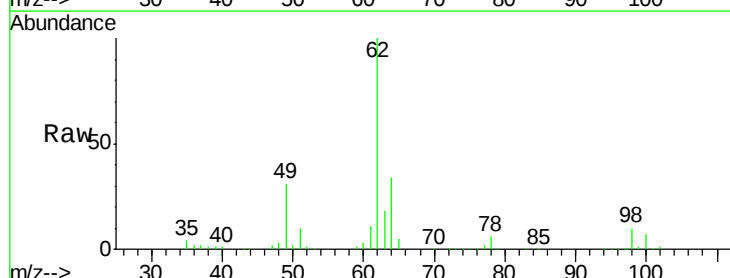
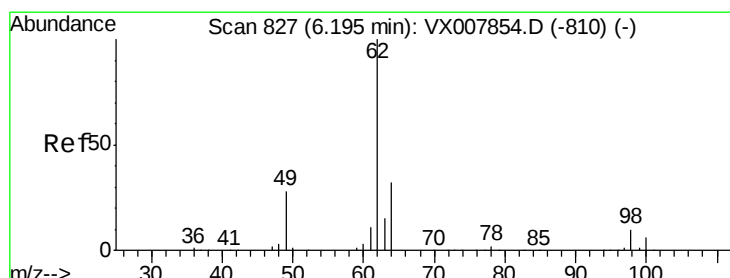
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	41.6	62.4	
67	70.1	55.8	83.6	
52	27.4	21.7	32.5	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

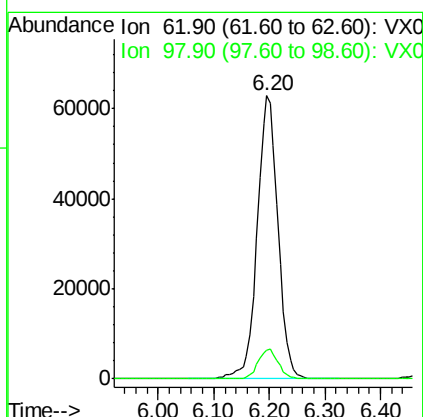
Manual Integrations
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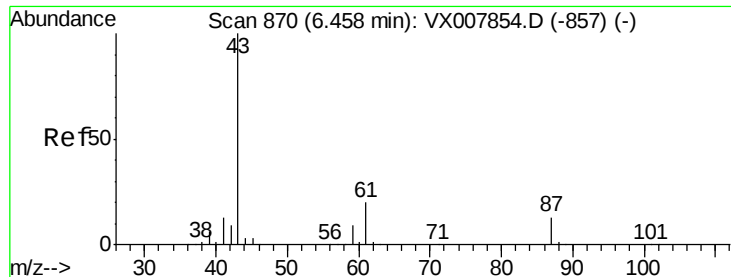
MMDadoda
3/8/2019 9:40:10 AM



#42
1,2-Dichloroethane
Concen: 49.210 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





#43

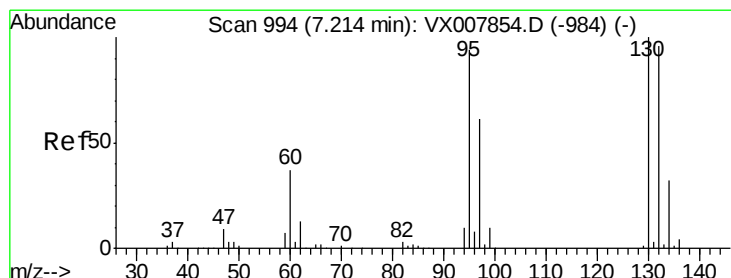
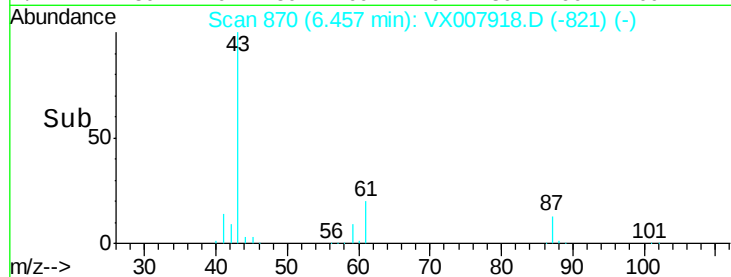
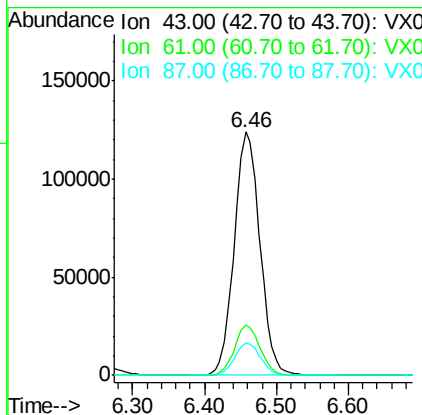
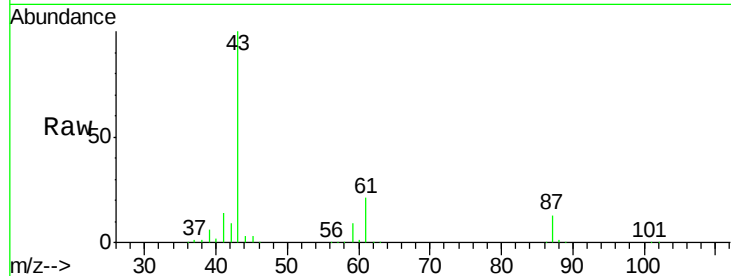
Isopropyl Acetate
 Concen: 50.922 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.3	24.5
87	13.3	10.5	15.7

Manual Integrations
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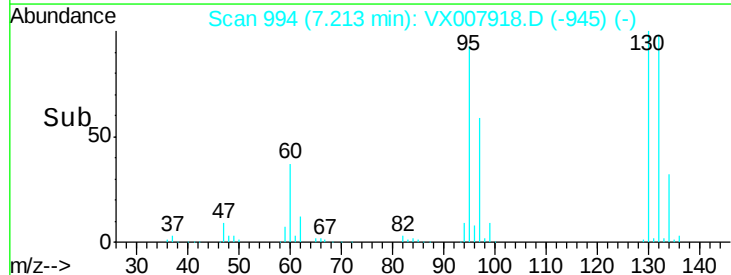
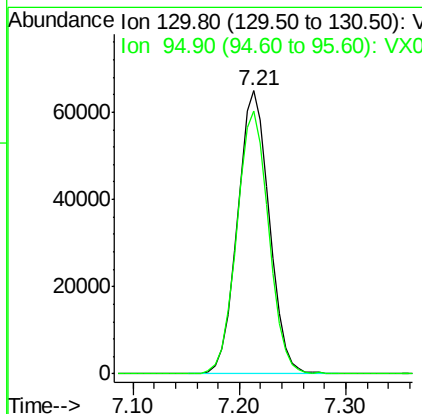
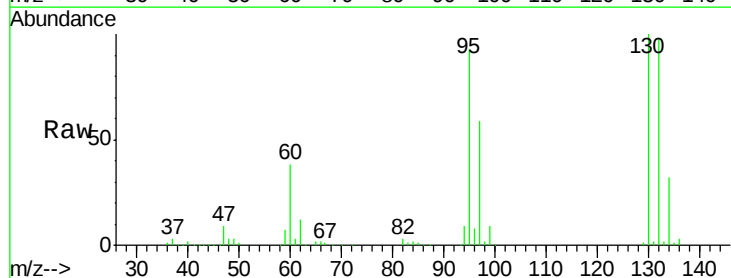
MMDadoda
 3/8/2019 9:40:10 AM

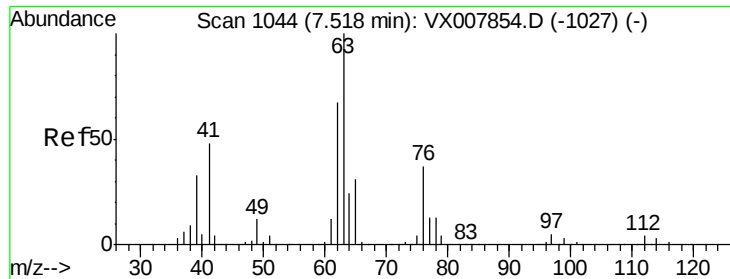


#44

Trichloroethene
 Concen: 48.455 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	188.0





#45

1,2-Dichloropropane

Concen: 50.236 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 135374

Ion Ratio Lower Upper

63 100

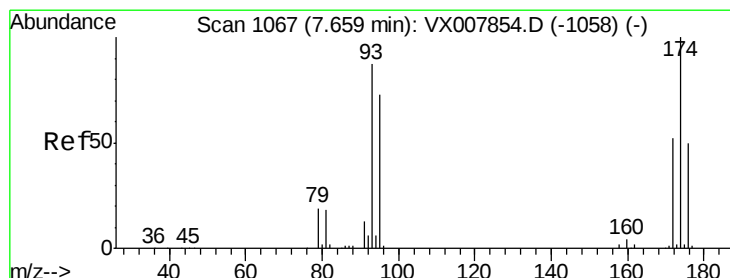
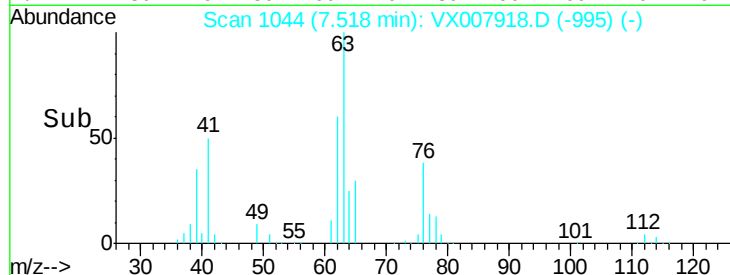
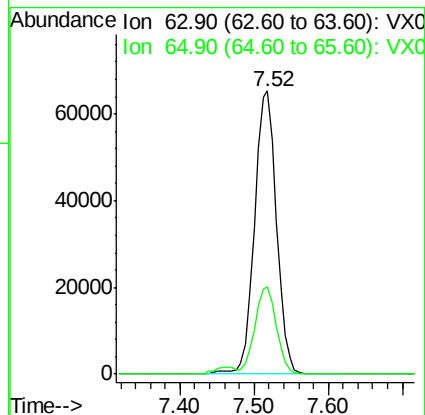
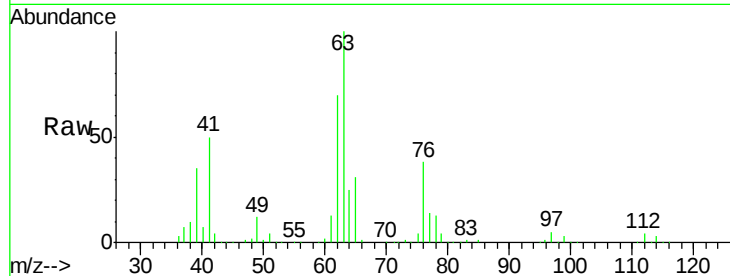
65 31.1 24.7 37.1

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#46

Dibromomethane

Concen: 49.512 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

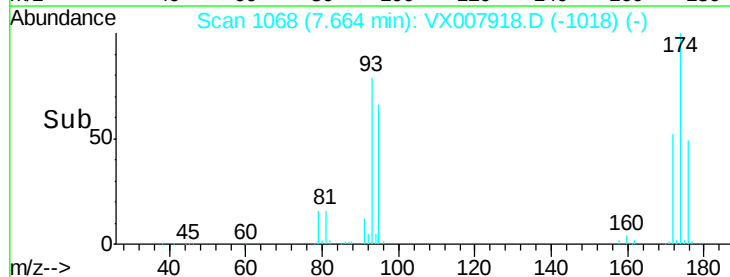
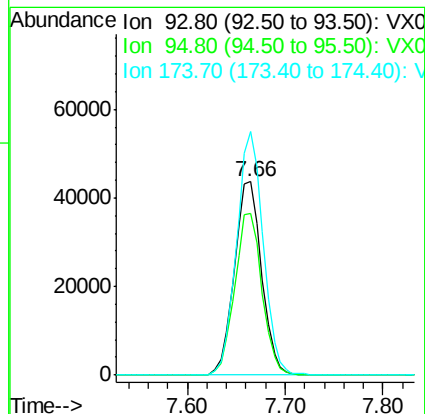
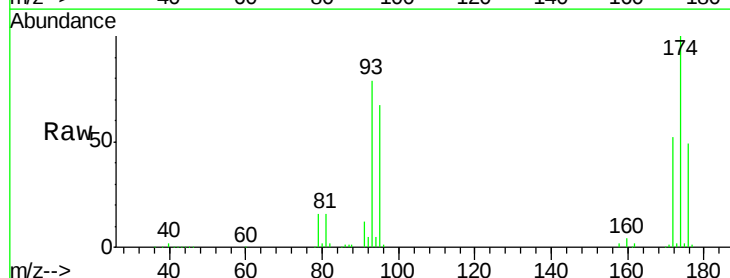
Tgt Ion: 93 Resp: 84437

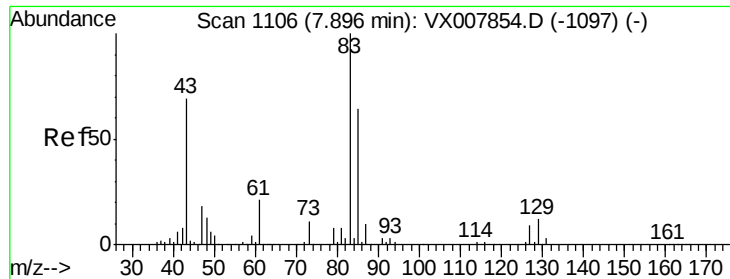
Ion Ratio Lower Upper

93 100

95 83.9 66.8 100.2

174 122.8 97.3 145.9





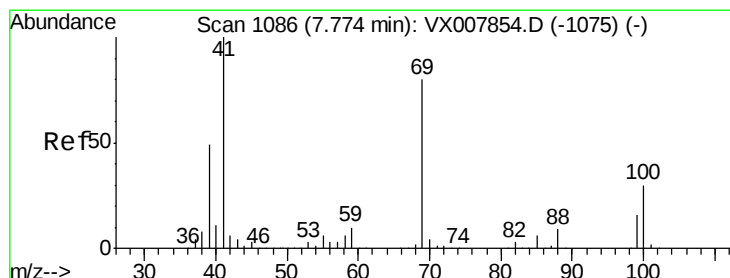
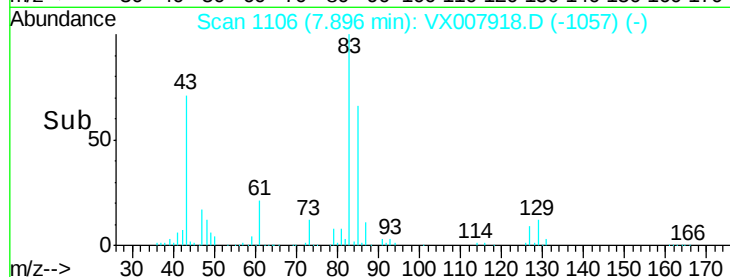
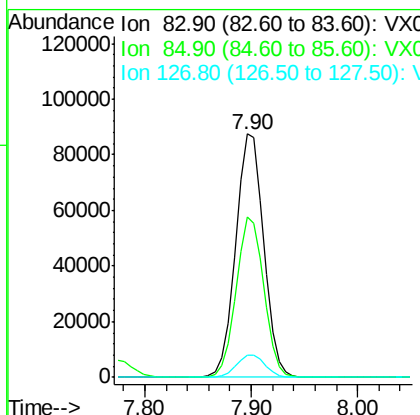
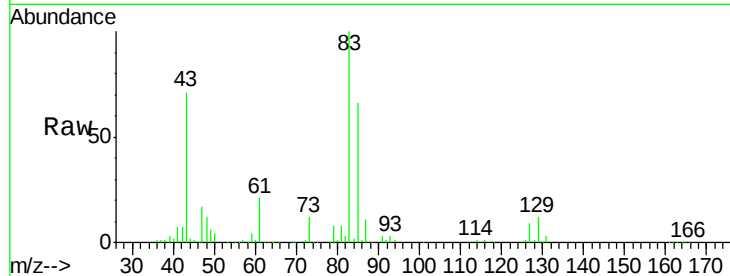
#47
Bromodichloromethane
Concen: 50.147 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.9	76.3
127	9.3	7.4	11.0

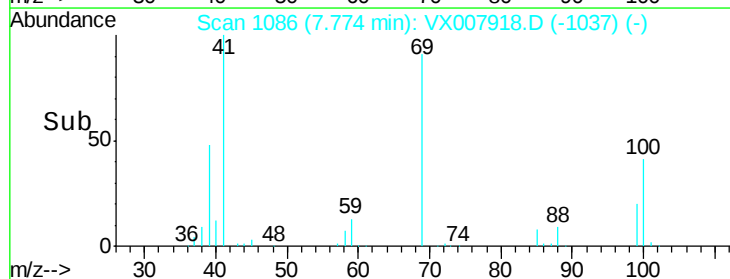
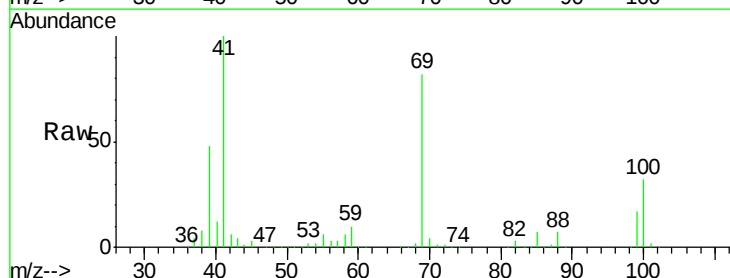
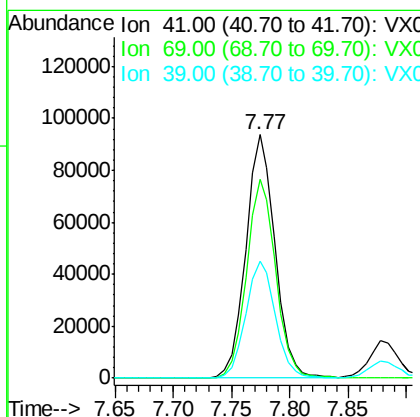
Manual Integrations
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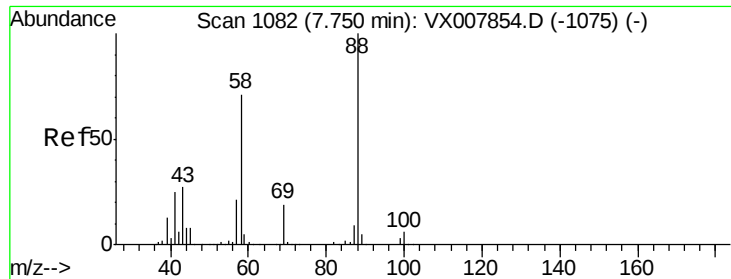
MMDadoda
3/8/2019 9:40:10 AM



#48
Methyl methacrylate
Concen: 51.541 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.2	65.2	97.8
39	49.0	39.4	59.2





#49

1,4-Dioxane

Concen: 999.809 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

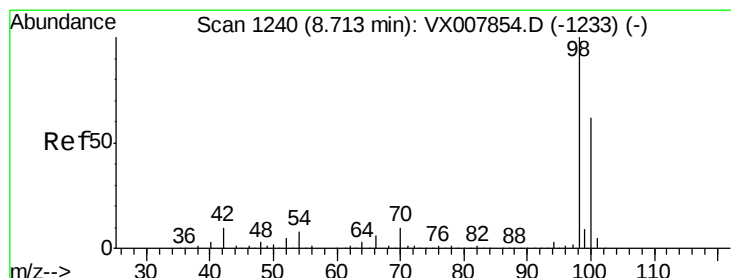
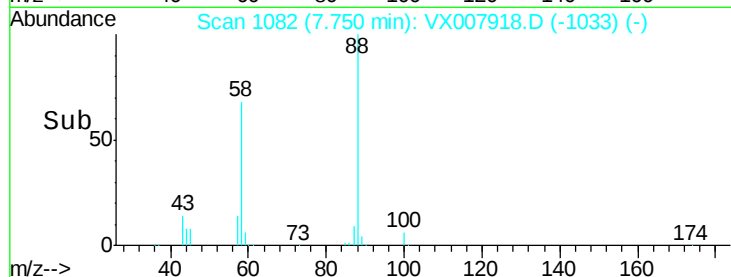
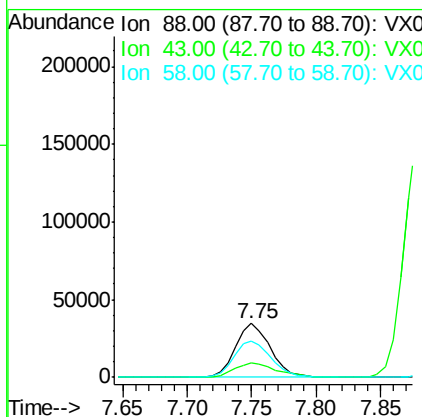
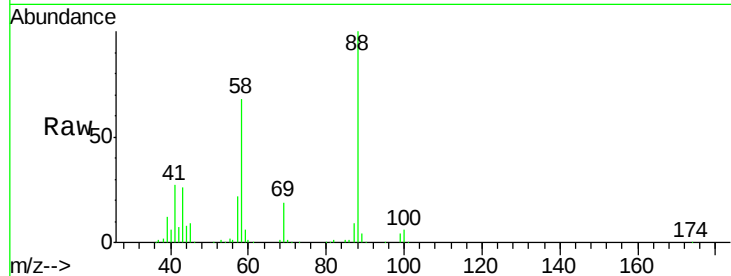
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	64994
Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.1	37.7
58	72.4	57.8	86.6

Manual Integrations
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3/8/2019 9:40:10 AM



#50

Toluene-d8

Concen: 51.724 ug/l

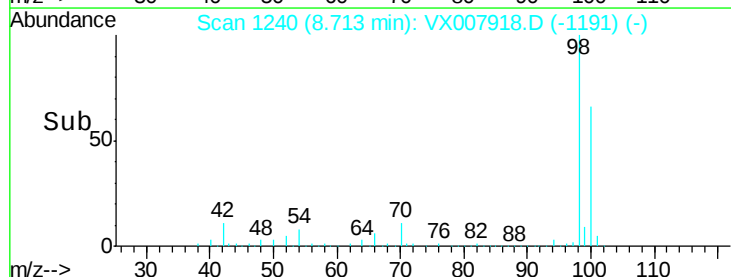
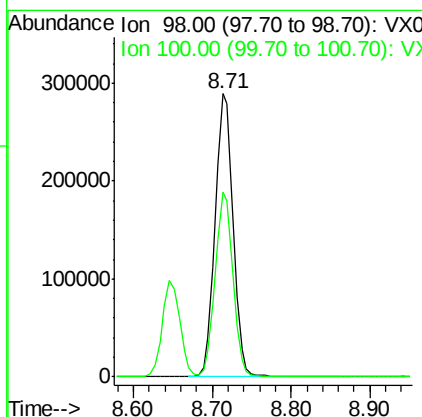
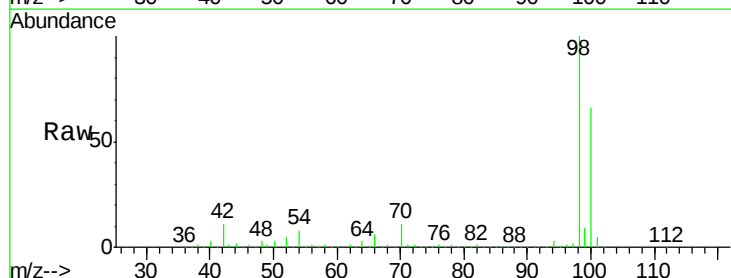
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Tgt Ion:	98	Resp:	459904
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 259.537 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1004622

Ion Ratio Lower Upper

43 100

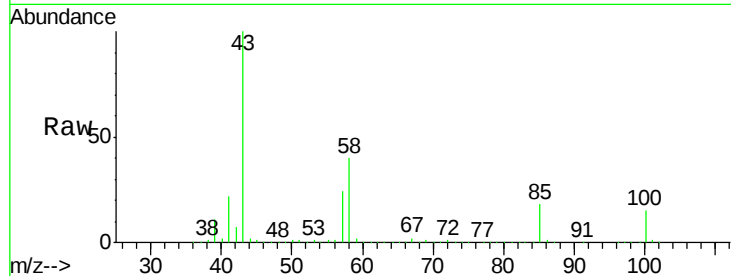
58 39.1 31.3 46.9

Manual Integrations

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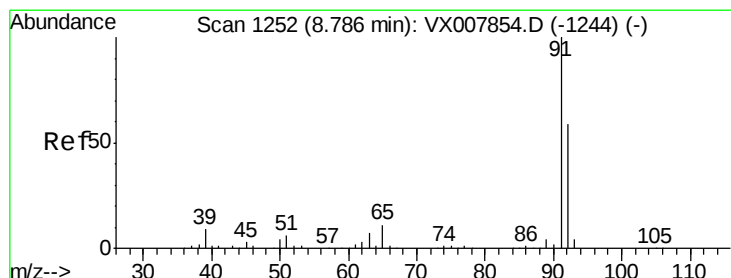
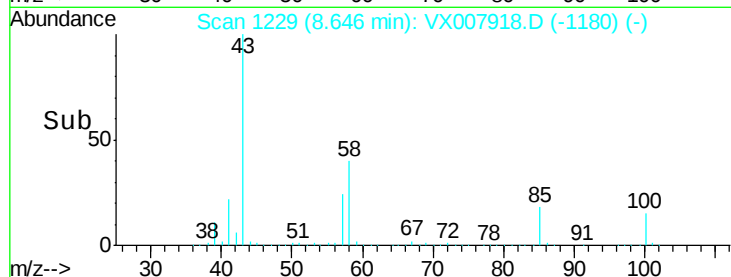
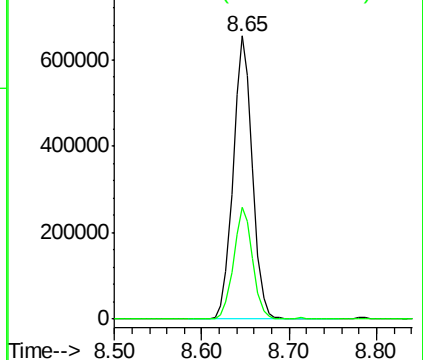
MMDadoda

3/8/2019 9:40:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.555 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007918.D

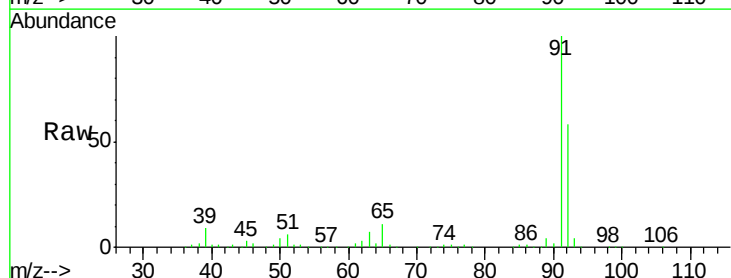
Acq: 08 Mar 2019 07:23

Tgt Ion: 92 Resp: 314909

Ion Ratio Lower Upper

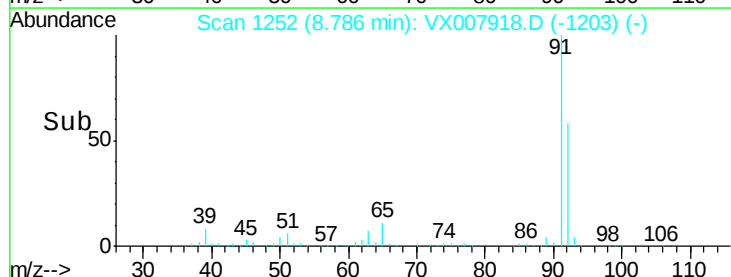
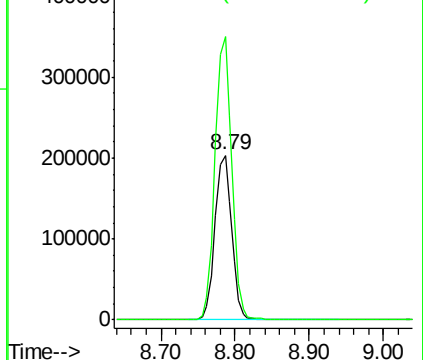
92 100

91 171.7 137.4 206.0



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: 48.899 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 165020

Ion Ratio Lower Upper

75 100

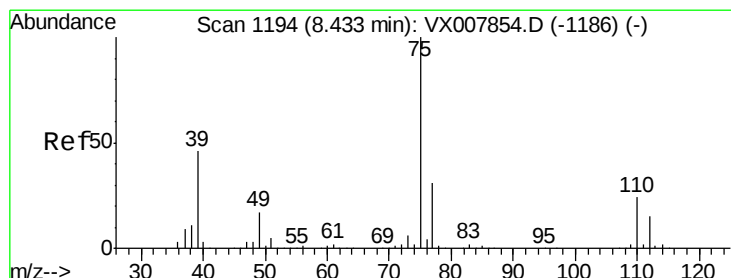
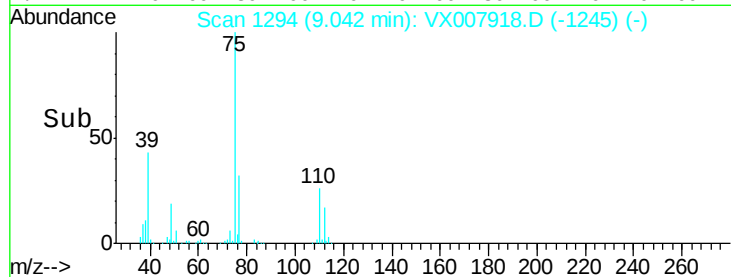
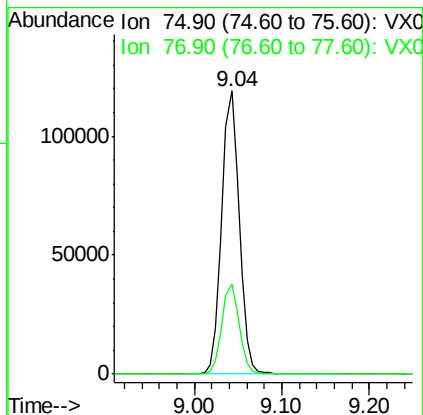
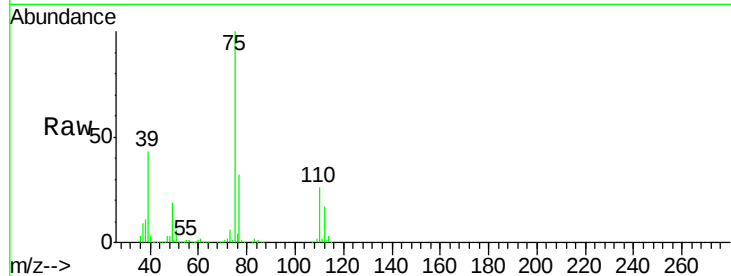
77 31.8 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 48.933 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

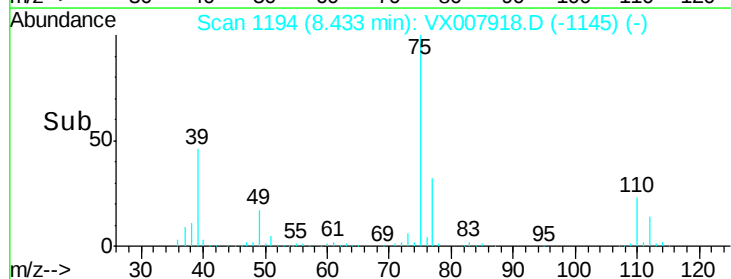
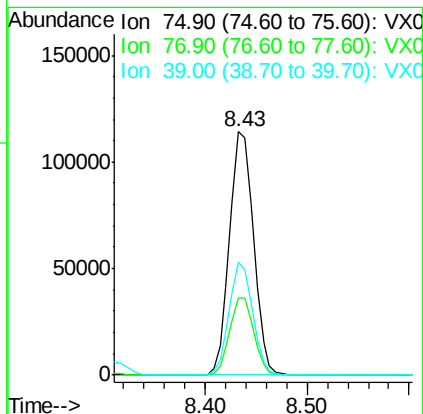
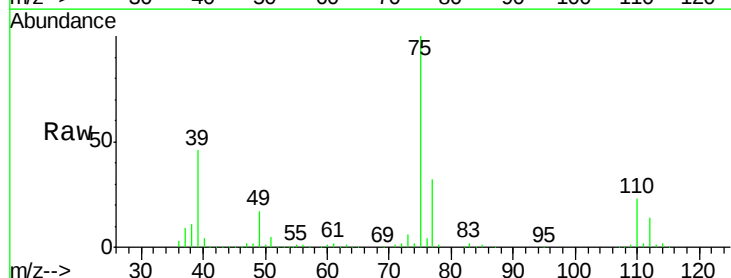
Tgt Ion: 75 Resp: 186482

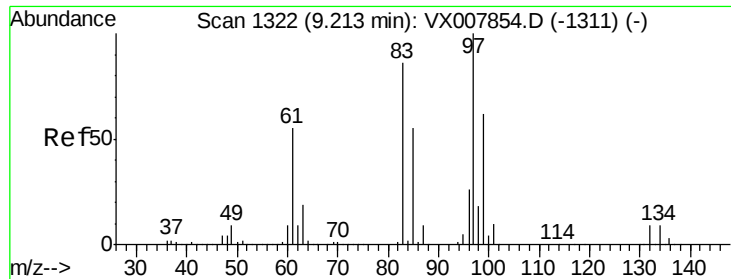
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6

39 46.3 36.6 54.8





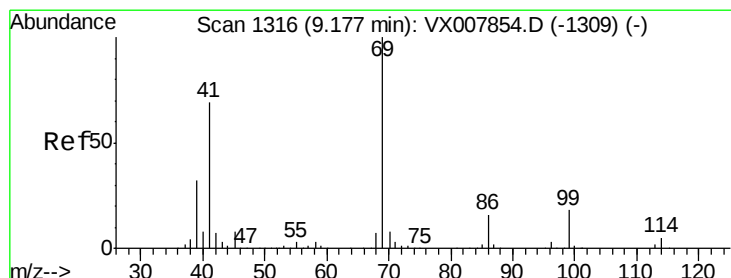
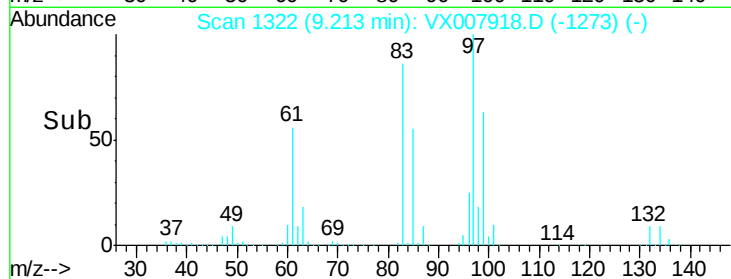
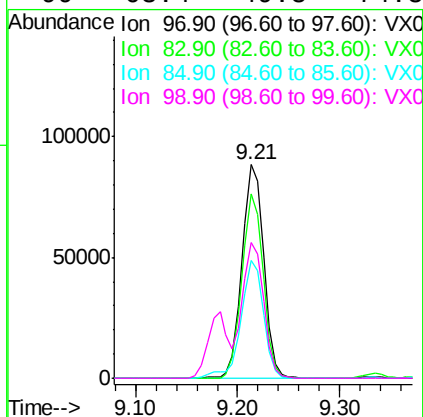
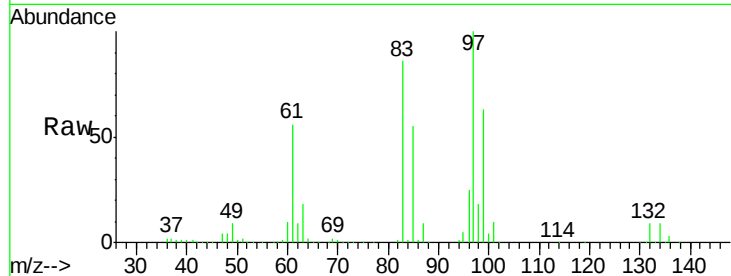
#55
 1,1,2-Trichloroethane
 Concen: 51.850 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:	97	Resp:	130744
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.1	103.7
85	55.4	44.3	66.5
99	63.4	49.8	74.8

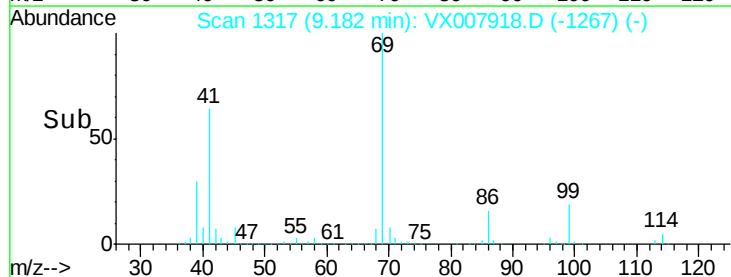
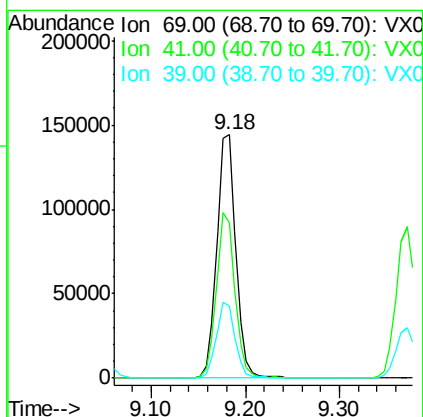
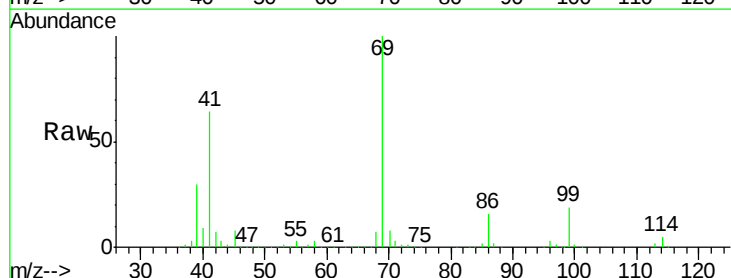
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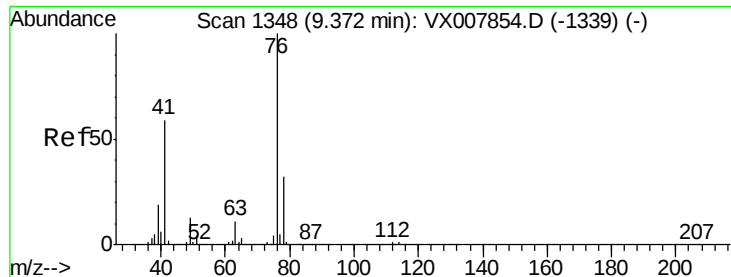
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#56
 Ethyl methacrylate
 Concen: 53.770 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Tgt Ion:	69	Resp:	203575
Ion	Ratio	Lower	Upper
69	100		
41	66.4	54.2	81.4
39	30.5	25.0	37.4





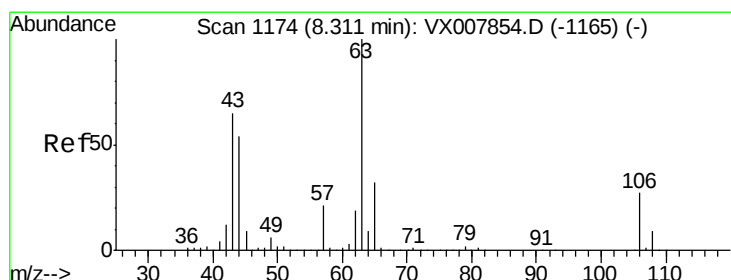
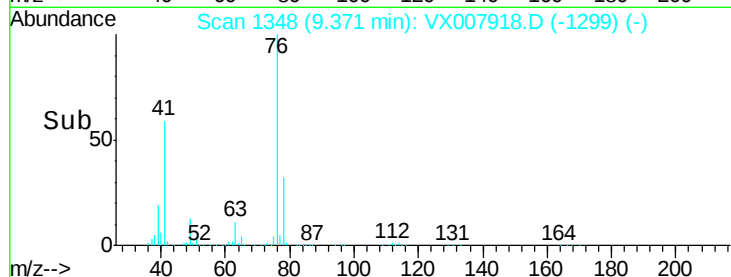
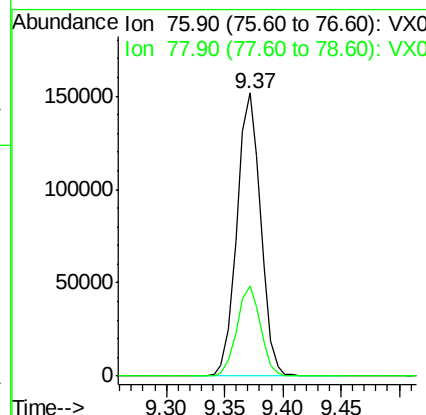
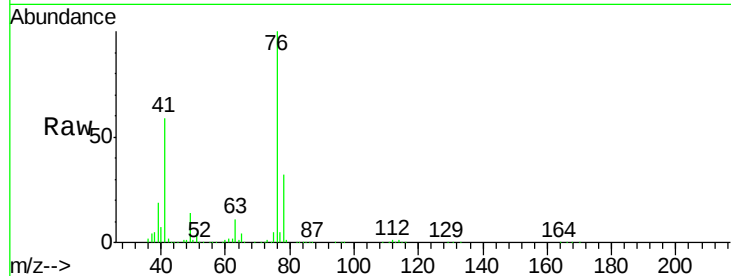
#57
 1,3-Dichloropropane
 Concen: 51.086 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

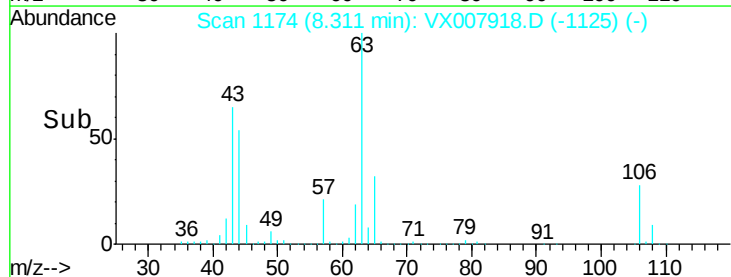
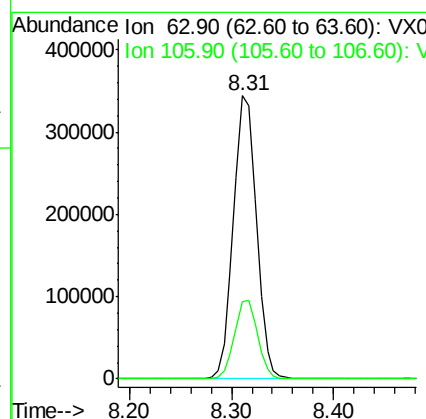
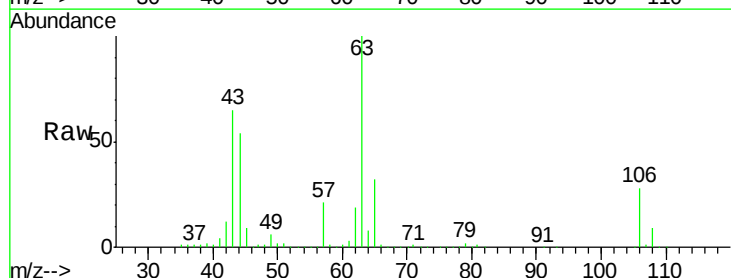
Manual Integrations
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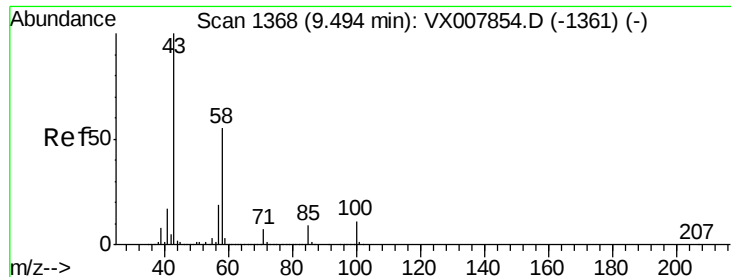
MMDadoda
 3/8/2019 9:40:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.230 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.2	33.2





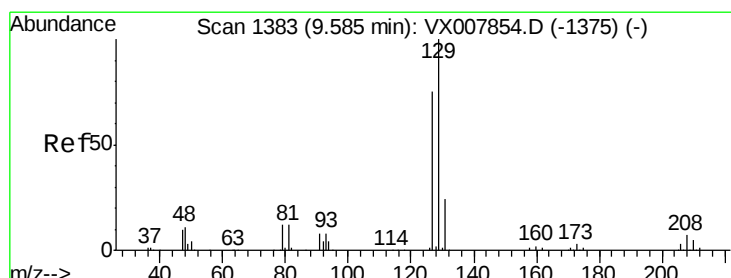
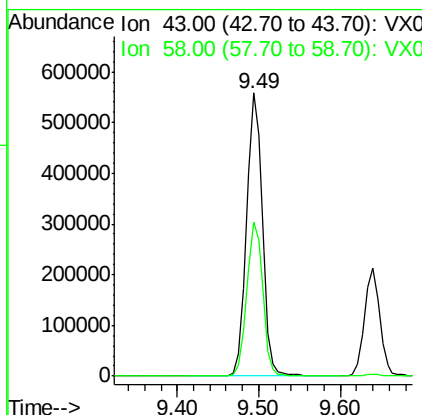
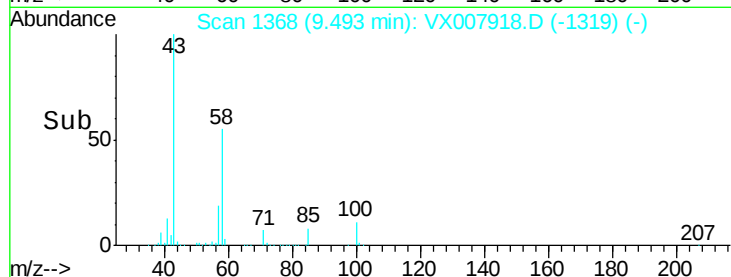
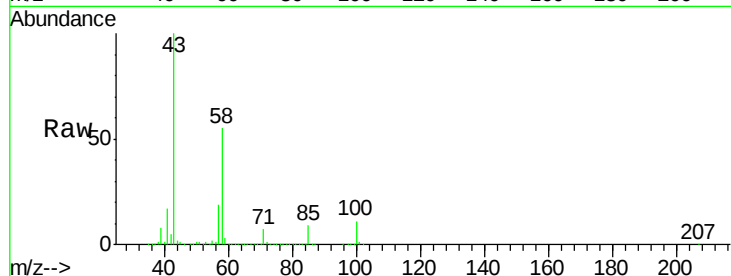
#59
2-Hexanone
Concen: 248.931 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 748094
Ion Ratio Lower Upper
43 100
58 54.9 27.6 82.7

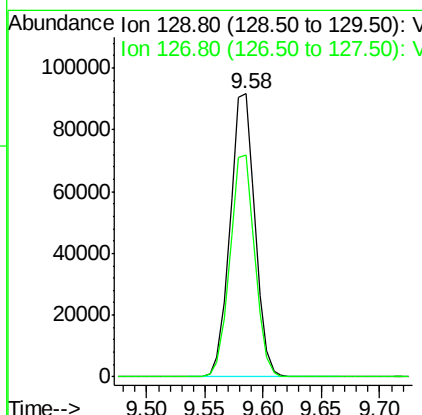
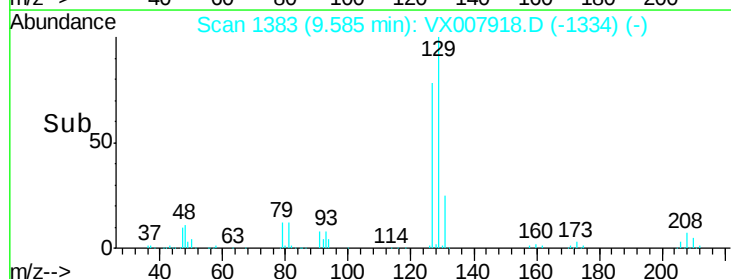
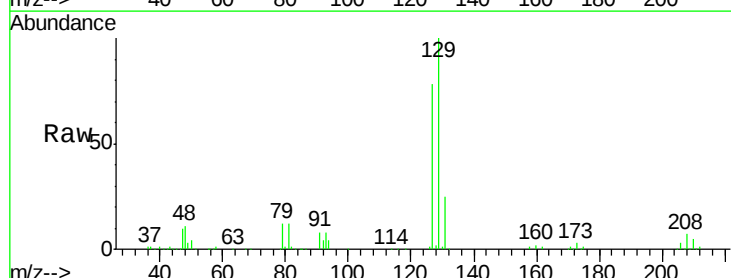
Manual Integrations
APPROVED

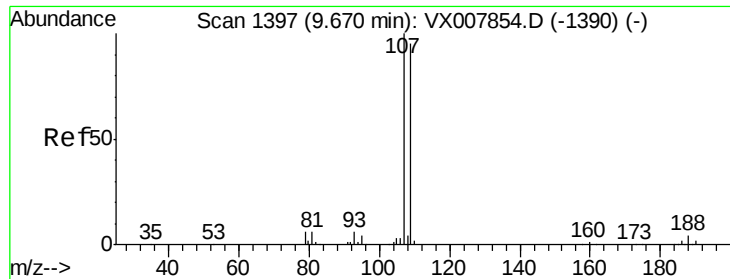
MMDadoda
3/8/2019 9:40:10 AM



#60
Dibromochloromethane
Concen: 51.693 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion: 129 Resp: 136246
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 51.309 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 137365

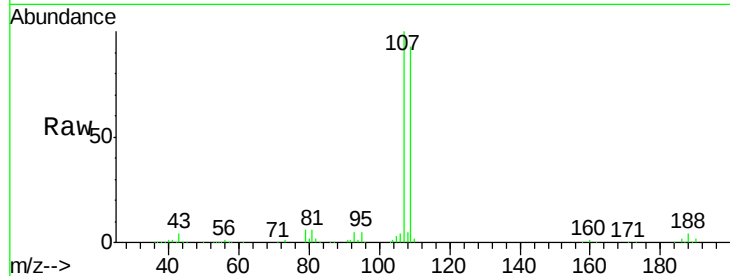
Ion Ratio Lower Upper

107 100

109 94.4 75.8 113.8

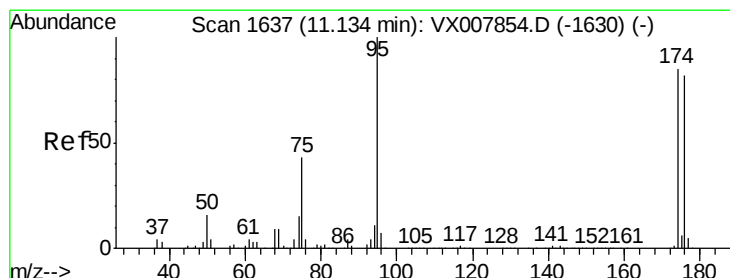
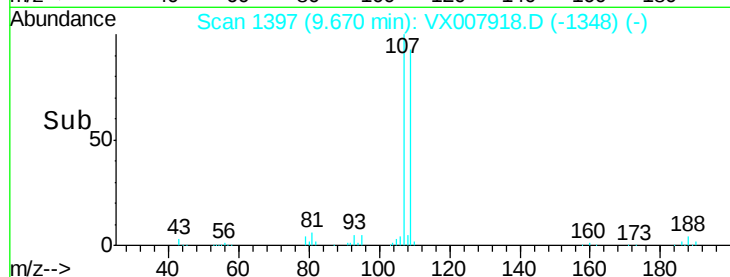
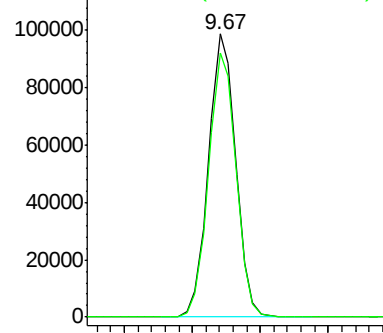
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.308 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

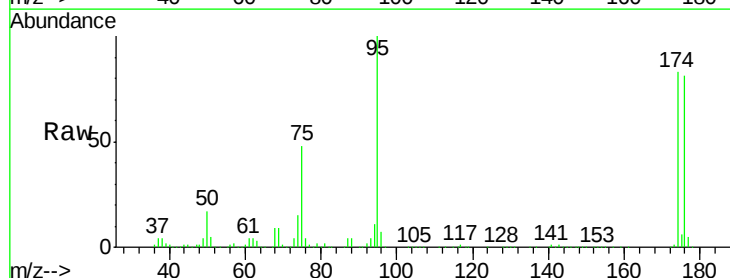
Tgt Ion: 95 Resp: 163063

Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.8

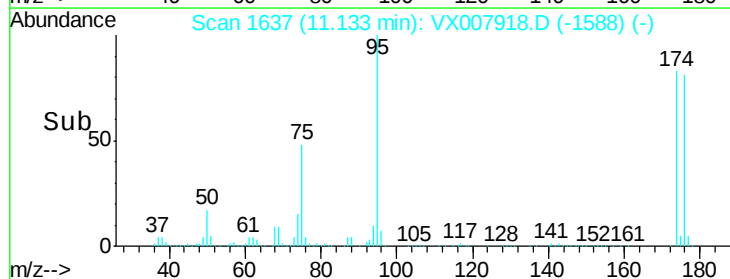
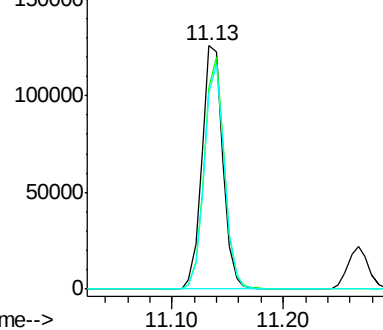
176 89.1 0.0 178.0

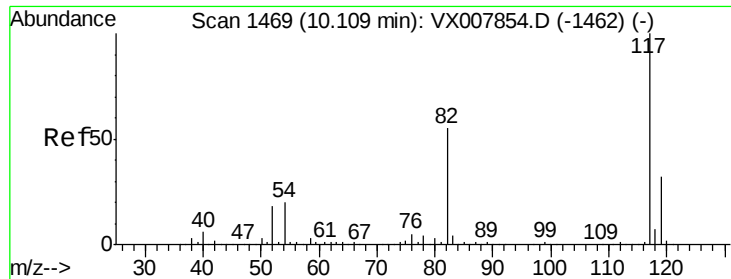


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





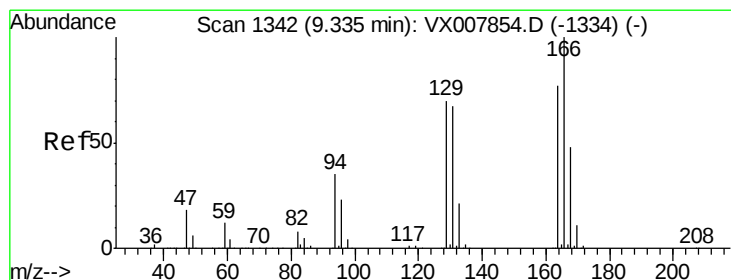
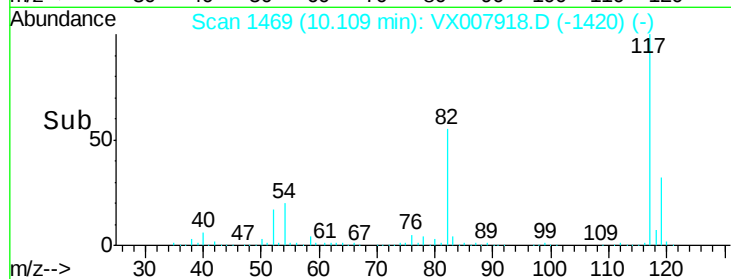
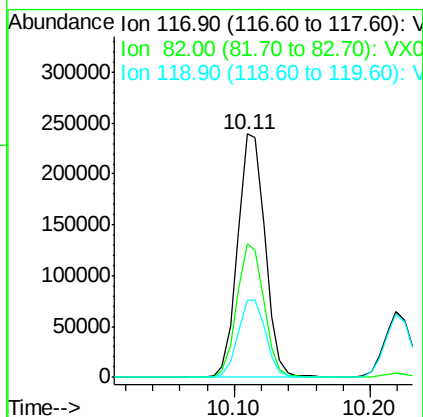
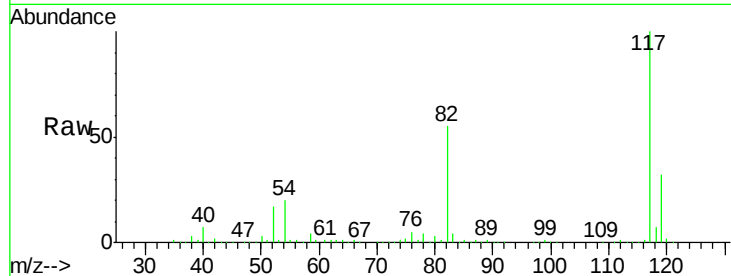
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.3	66.5
119	31.7	25.3	37.9

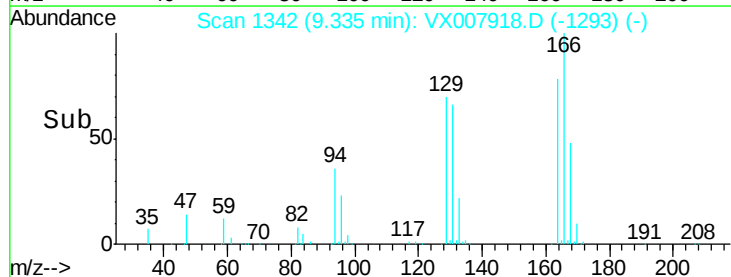
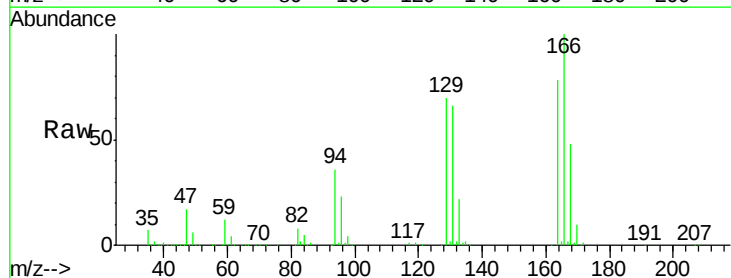
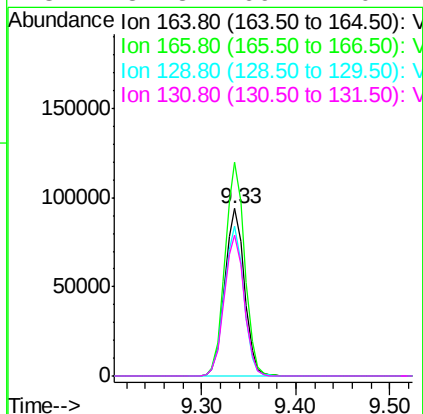
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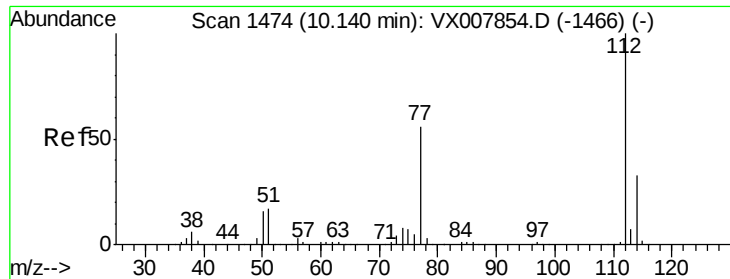
MMDadoda
3/8/2019 9:40:10 AM



#64
Tetrachloroethene
Concen: 48.640 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	103.4	155.0
129	89.5	72.2	108.4
131	84.3	69.4	104.2





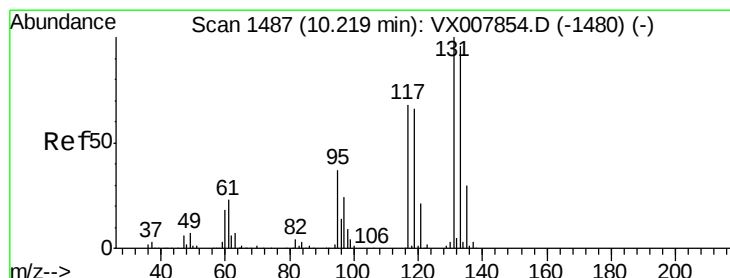
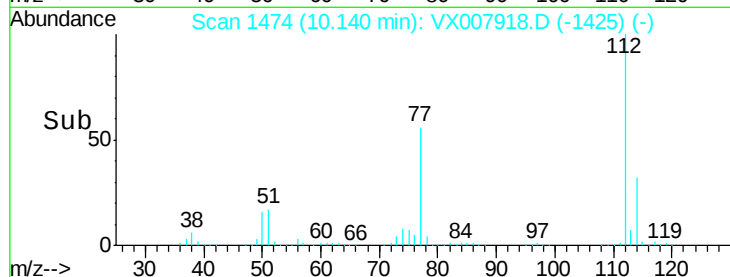
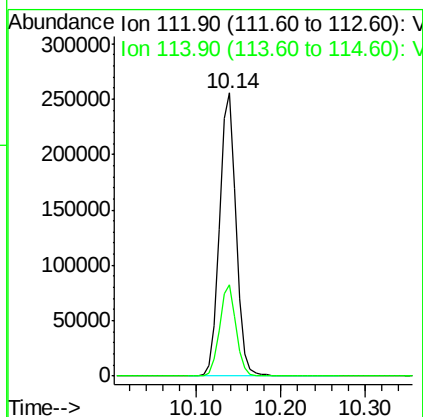
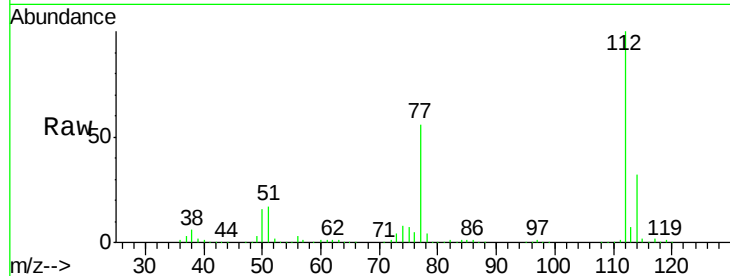
#65
Chlorobenzene
Concen: 49.384 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 347943
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

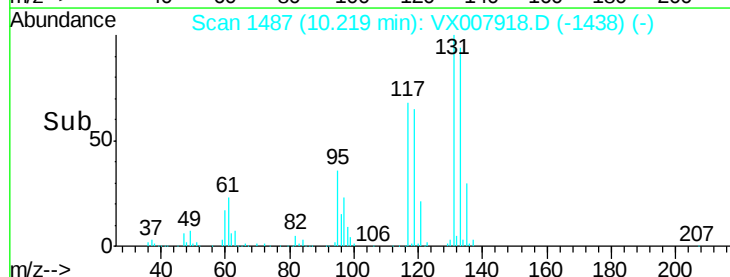
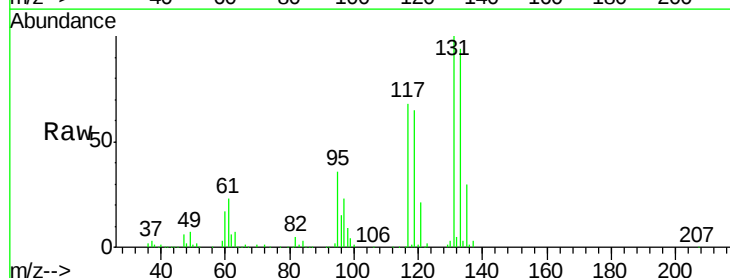
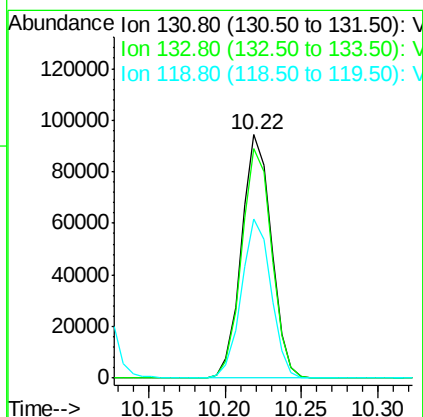
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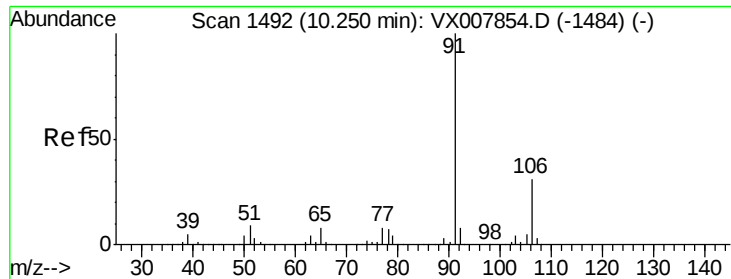
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.633 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion:131 Resp: 127856
Ion Ratio Lower Upper
131 100
133 94.7 47.8 143.3
119 65.1 32.5 97.5





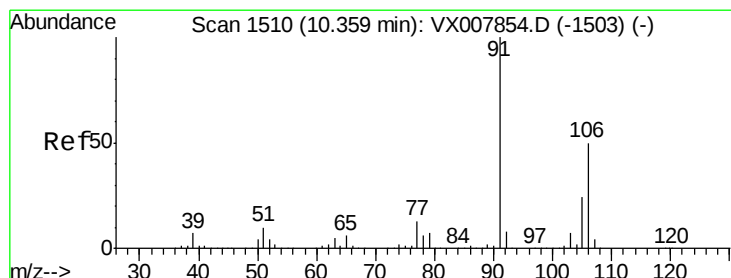
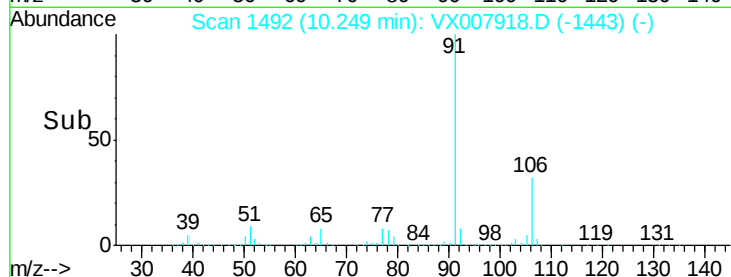
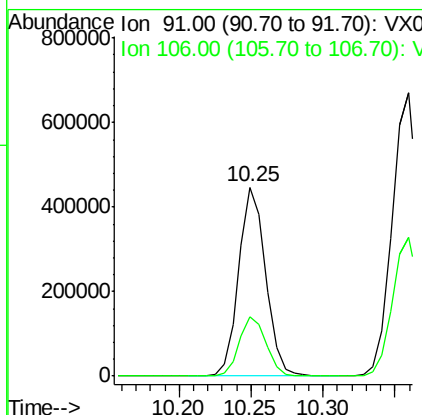
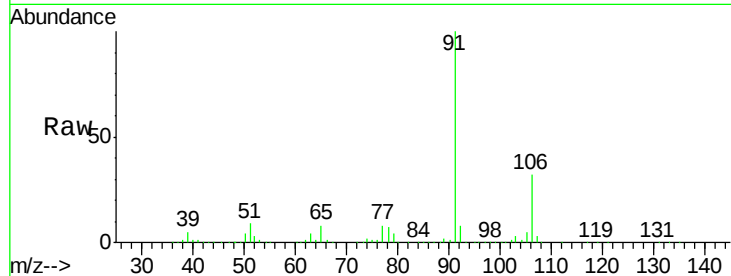
#67
Ethyl Benzene
Concen: 50.242 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 582699
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

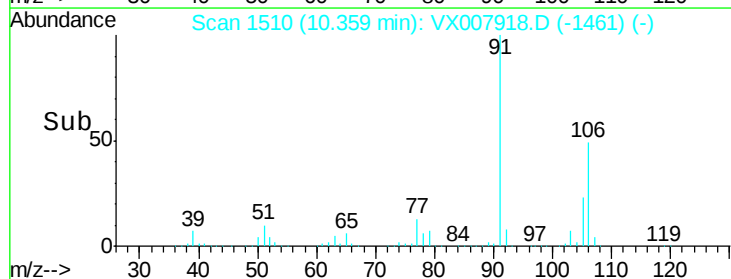
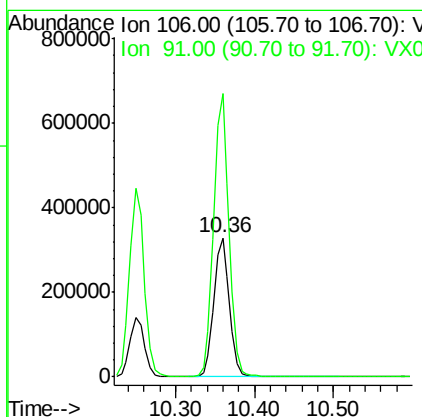
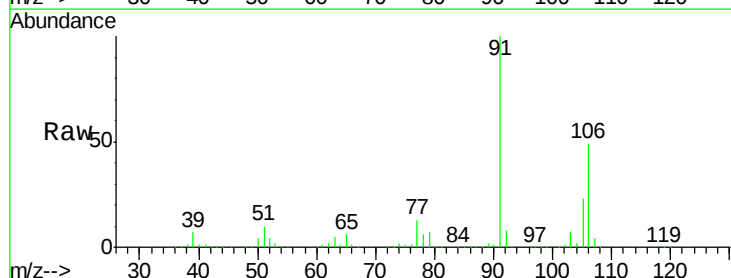
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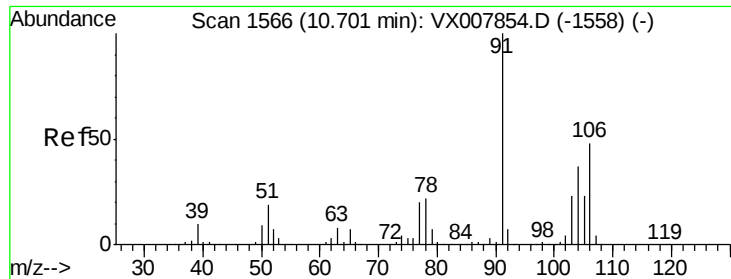
MMDadoda
3/8/2019 9:40:10 AM



#68
m/p-Xylenes
Concen: 100.431 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion: 106 Resp: 448963
Ion Ratio Lower Upper
106 100
91 202.3 159.8 239.6





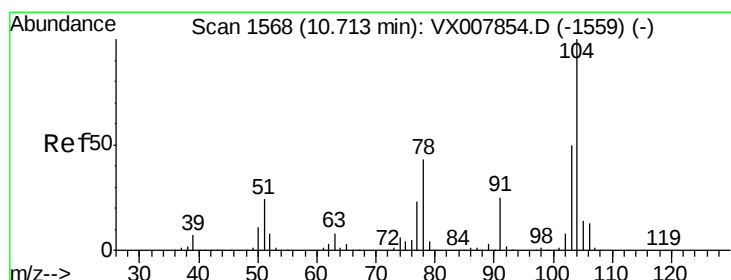
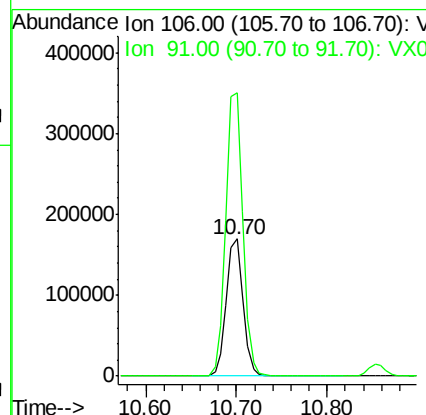
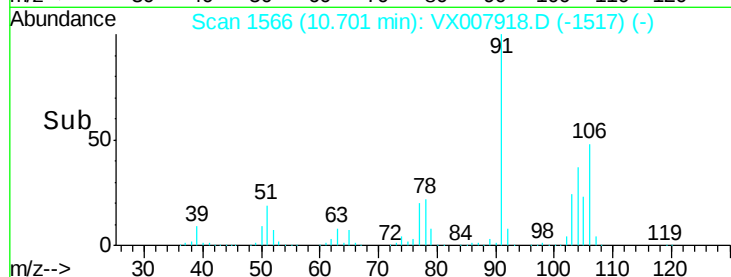
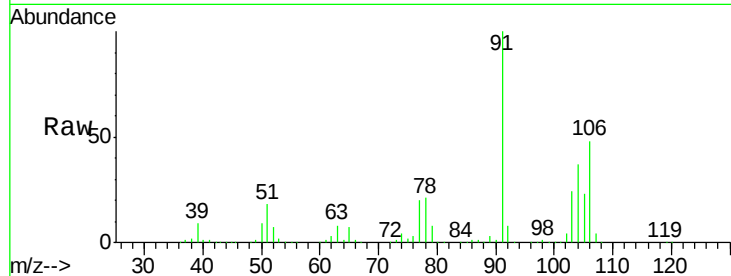
#69
o-Xylene
Concen: 51.046 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 220309
Ion Ratio Lower Upper
106 100
91 210.5 106.3 318.9

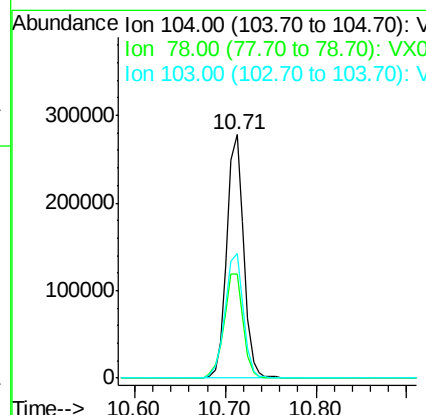
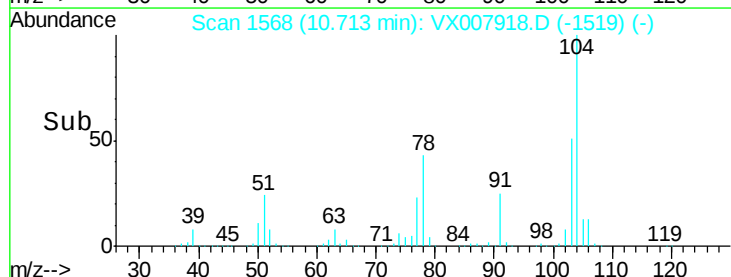
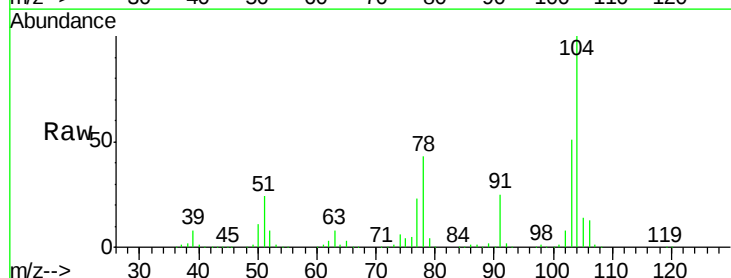
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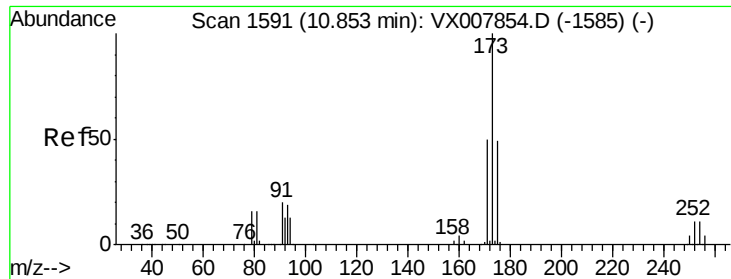
MMDadoda
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#70
Styrene
Concen: 51.295 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion:104 Resp: 362267
Ion Ratio Lower Upper
104 100
78 48.4 38.5 57.7
103 55.9 44.1 66.1





#71

Bromoform

Concen: 50.508 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 109527

Ion Ratio Lower Upper

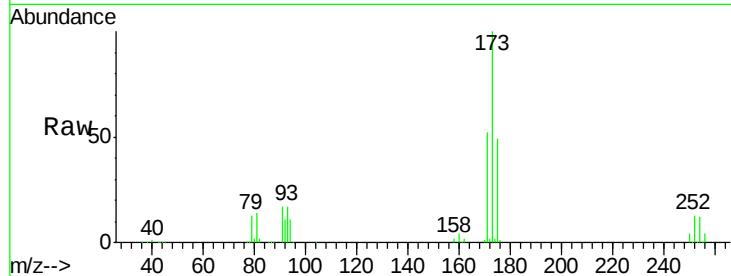
173 100

175 48.5 24.3 72.9

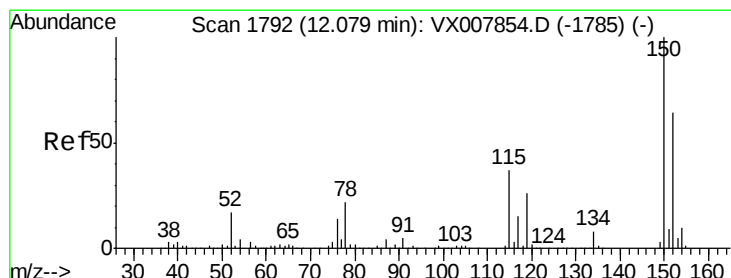
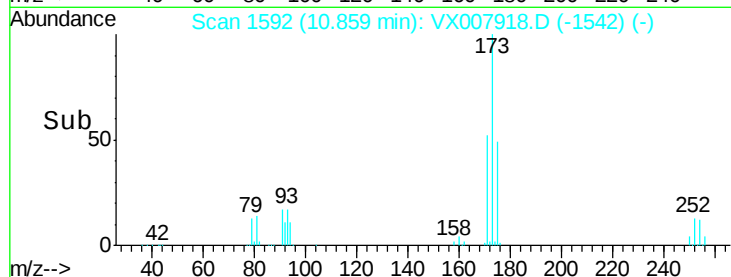
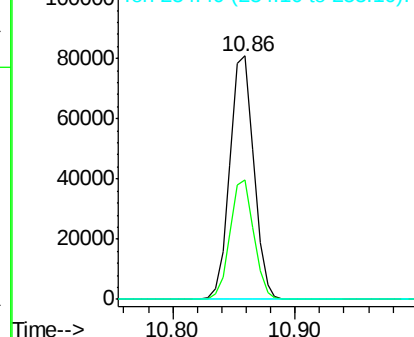
254 0.2 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

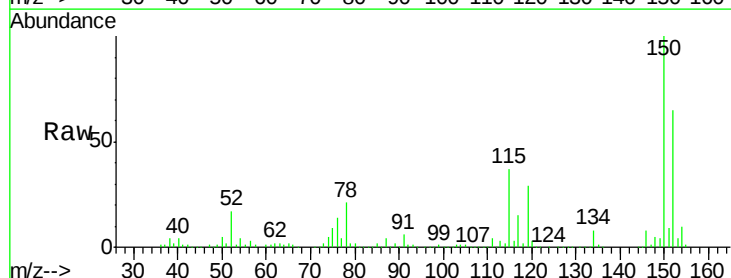
Tgt Ion:152 Resp: 168840

Ion Ratio Lower Upper

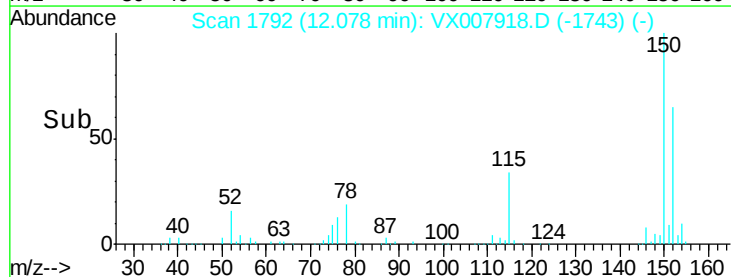
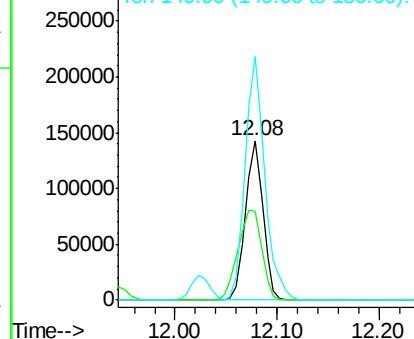
152 100

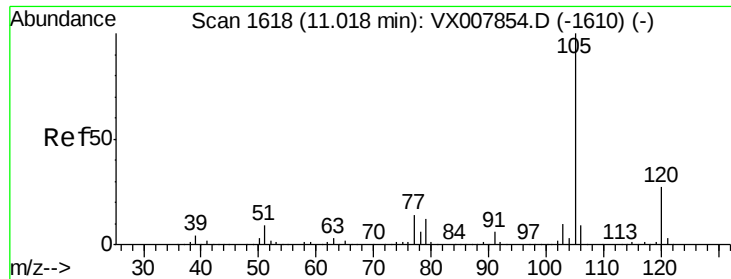
115 76.4 38.6 115.7

150 171.2 0.0 348.4



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: 51.192 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 584560

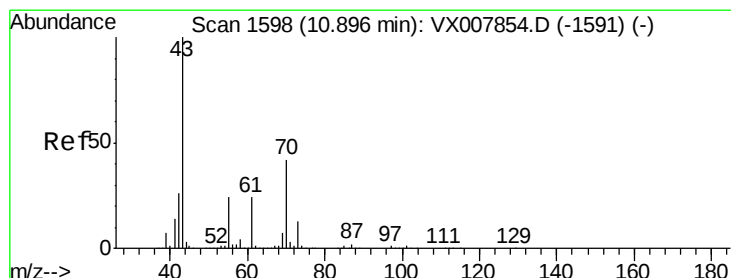
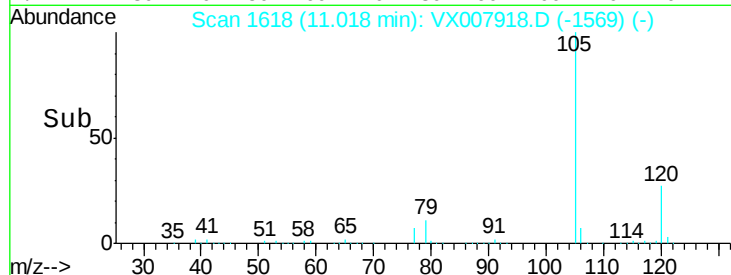
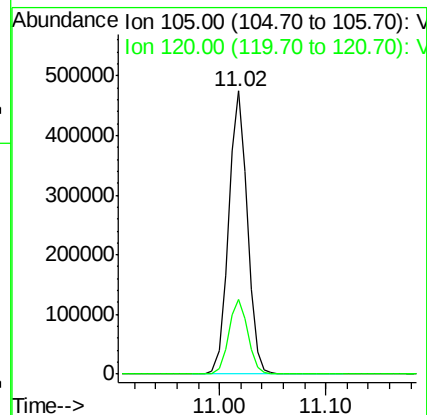
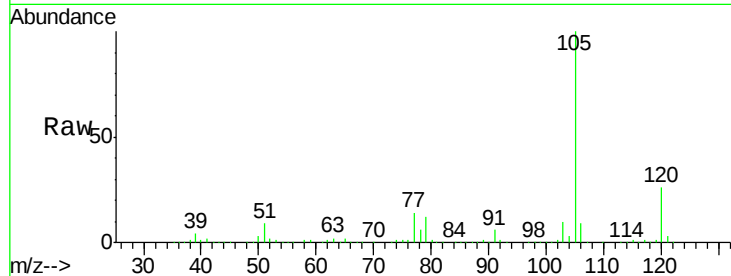
Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1

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#74

N-ethyl acetate

Concen: 50.622 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Tgt Ion: 43 Resp: 263896

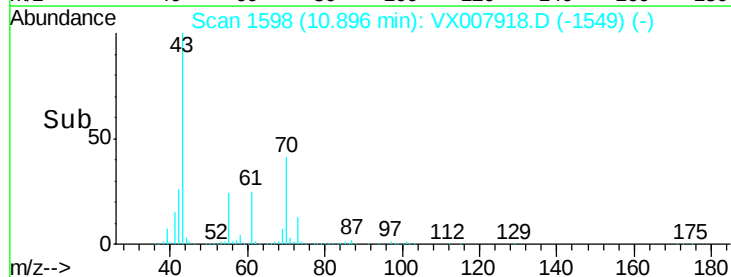
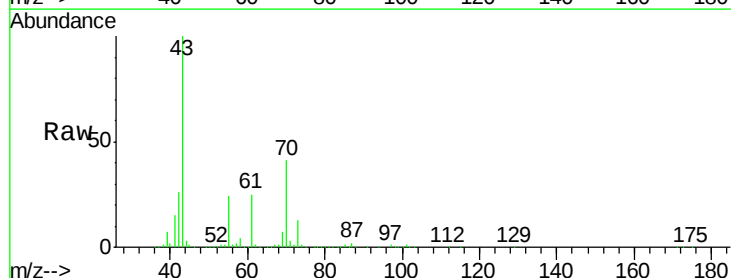
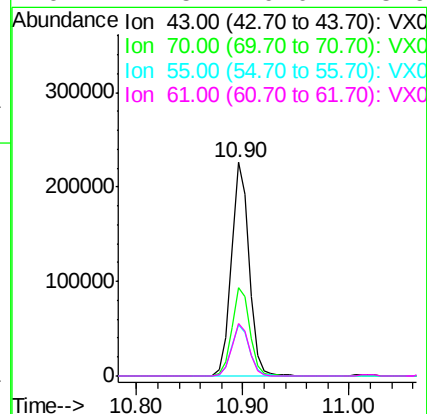
Ion Ratio Lower Upper

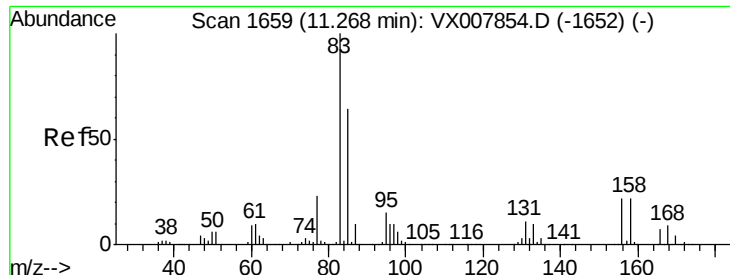
43 100

70 42.2 33.5 50.3

55 24.5 19.2 28.8

61 24.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.676 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 191725

Ion Ratio Lower Upper

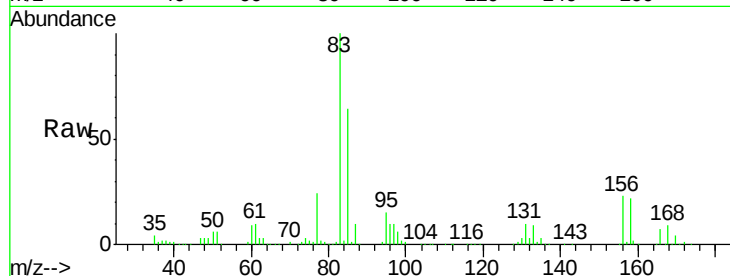
83 100

131 10.4 5.4 16.2

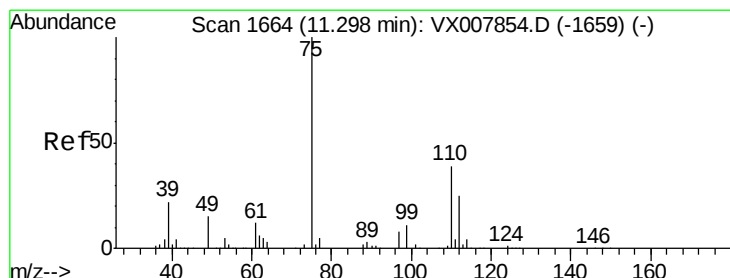
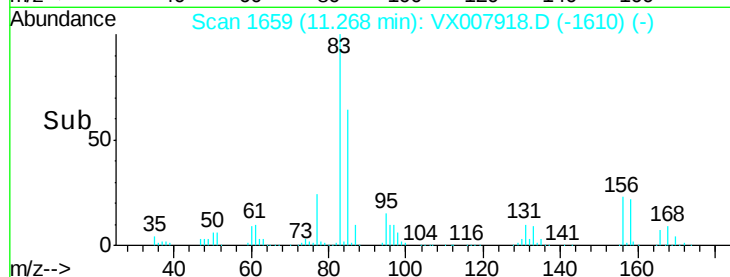
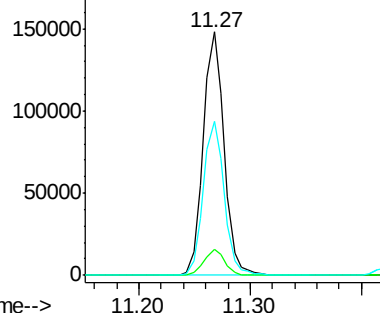
85 63.9 32.3 96.8

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



#76

1,2,3-Trichloropropane

Concen: 50.361 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007918.D

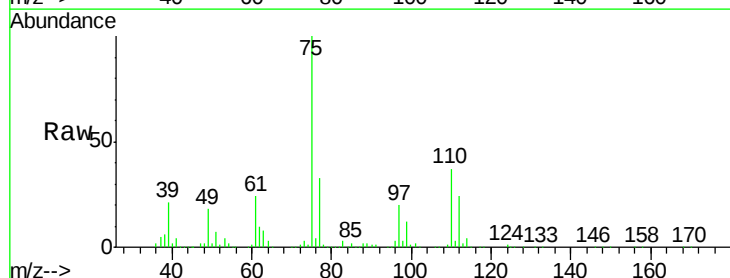
Acq: 08 Mar 2019 07:23

Tgt Ion: 75 Resp: 178429

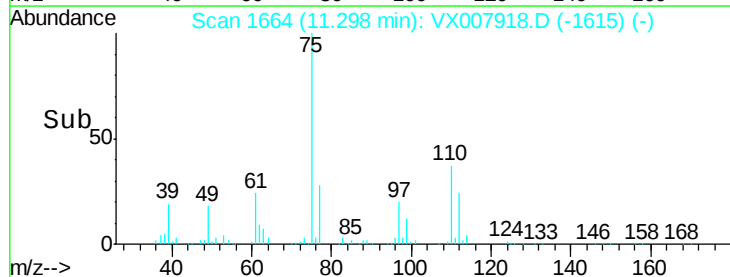
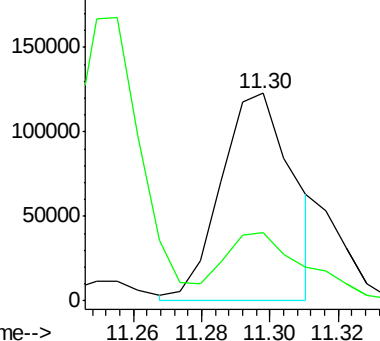
Ion Ratio Lower Upper

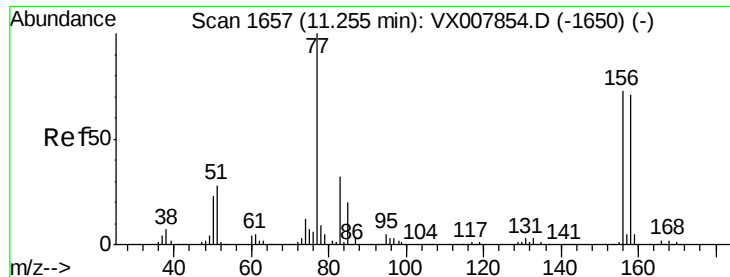
75 100

77 37.4 18.9 56.7



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





#77

Bromobenzene

Concen: 49.542 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

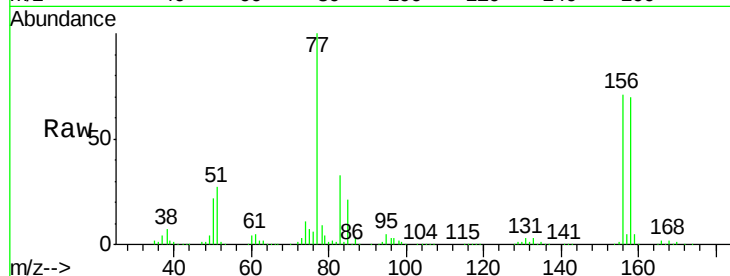
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	155101
Ion Ratio	Lower	Upper	
156	100		
77	146.5	72.0	215.9
158	96.9	48.6	145.9

Manual Integrations
APPROVED

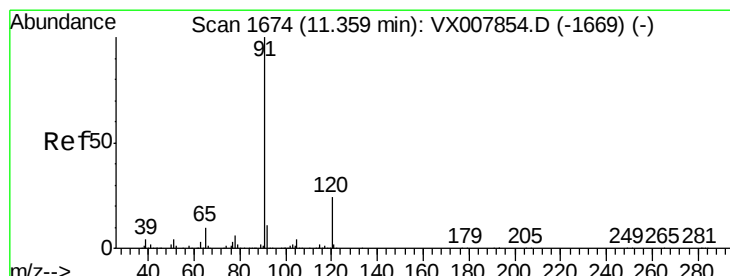
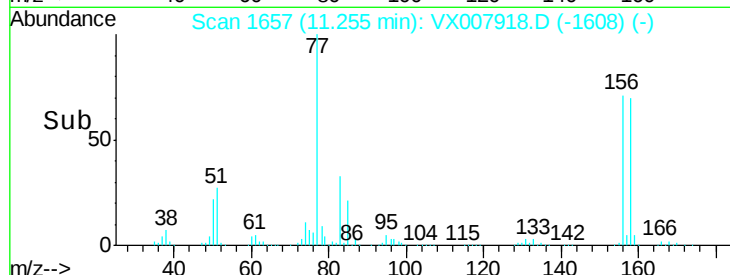
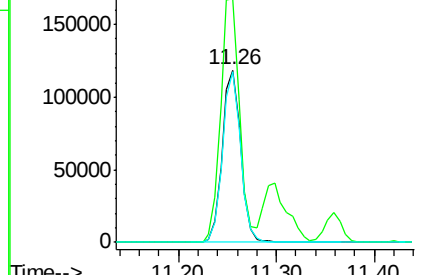
MMDadoda
3/8/2019 9:40:10 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.788 ug/l

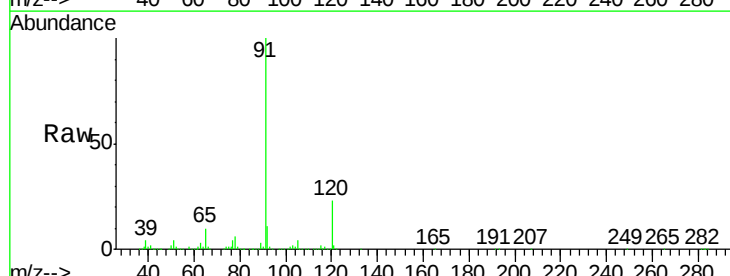
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007918.D

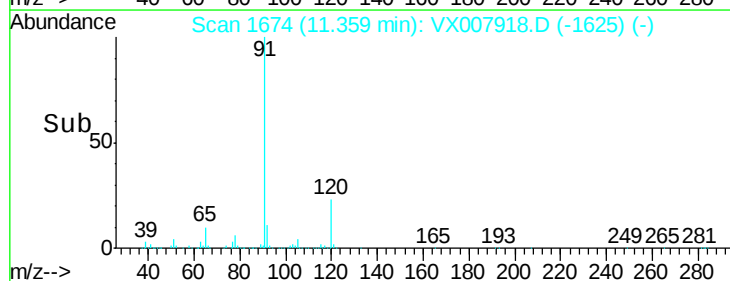
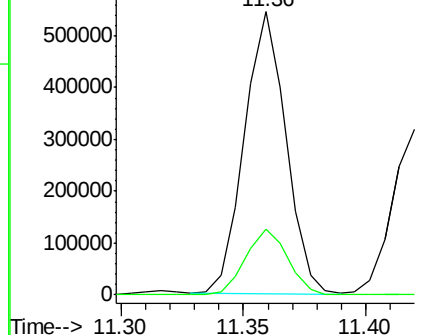
Acq: 08 Mar 2019 07:23

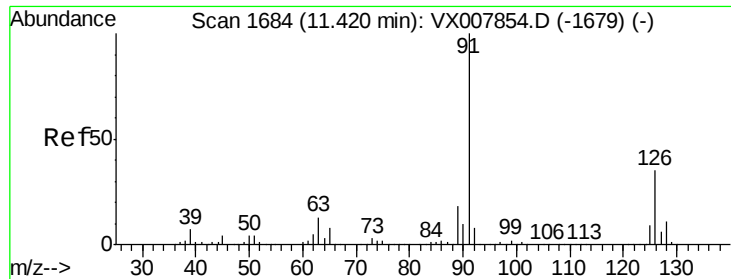
Tgt Ion:	91	Resp:	643378
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.057 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 387713

Ion Ratio Lower Upper

91 100

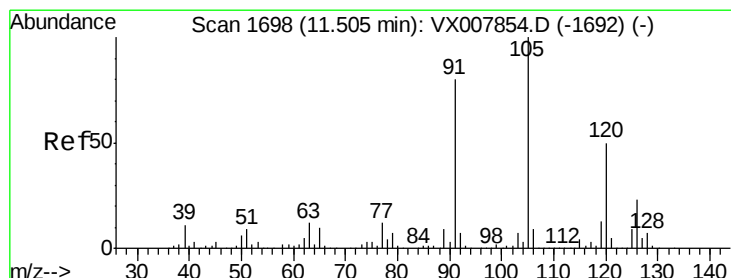
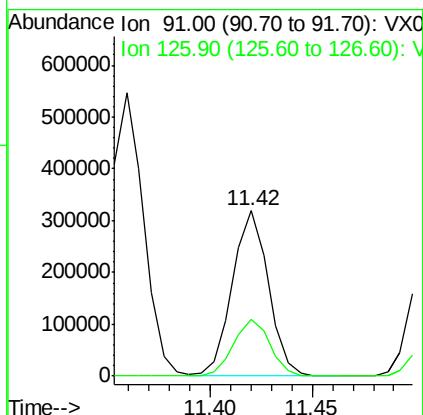
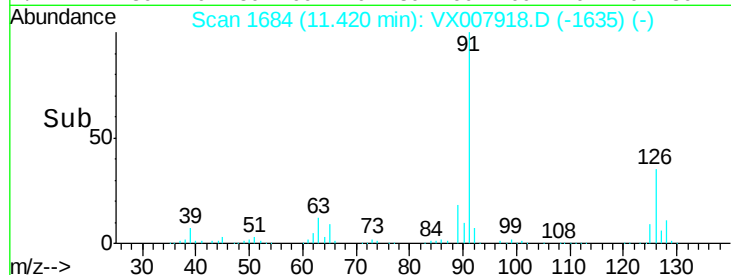
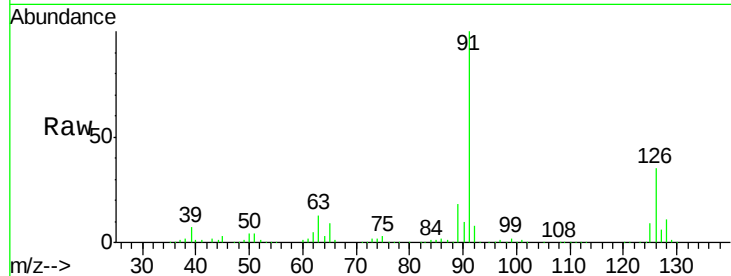
126 35.1 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 51.158 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007918.D

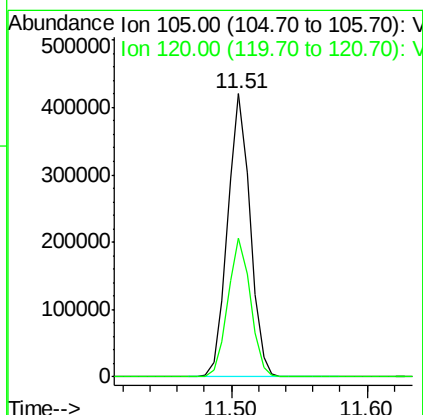
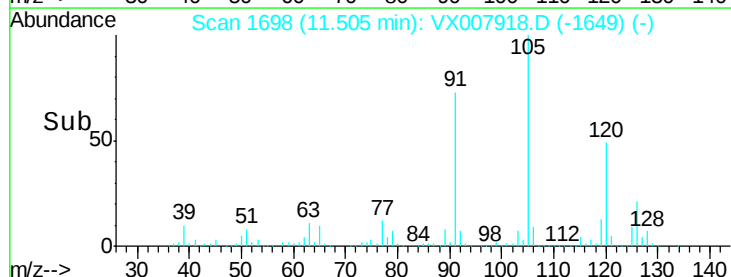
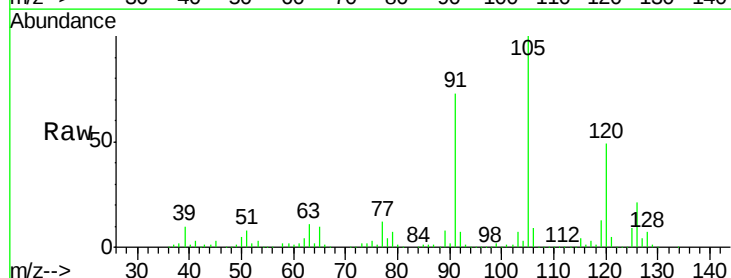
Acq: 08 Mar 2019 07:23

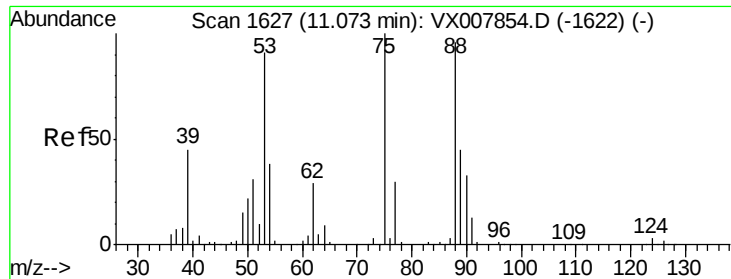
Tgt Ion: 105 Resp: 480806

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 43.709 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 48447

Ion Ratio Lower Upper

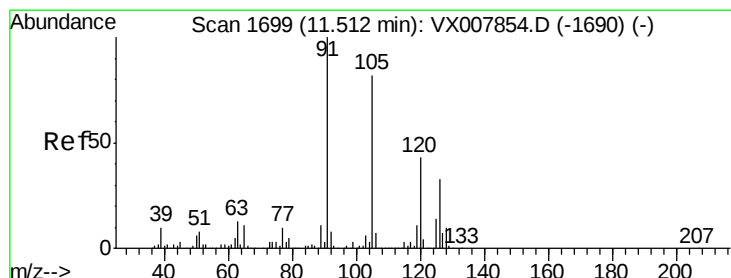
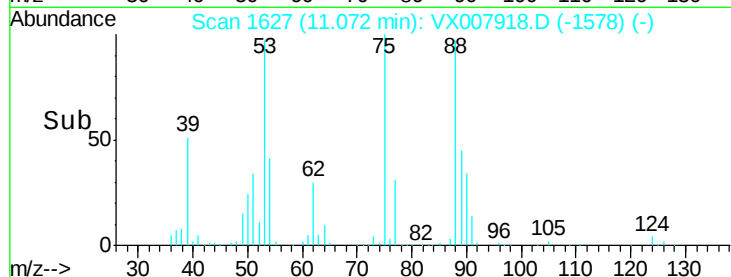
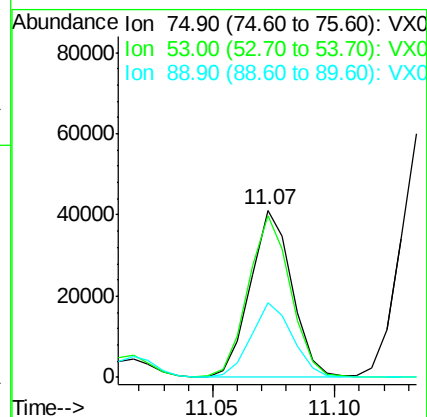
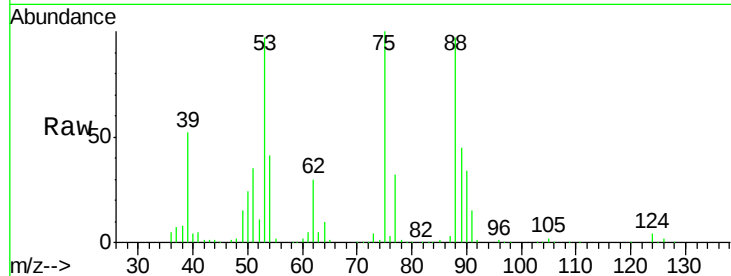
75 100

53 99.2 76.1 114.1

89 44.9 36.3 54.5

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#82

4-Chlorotoluene

Concen: 49.823 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007918.D

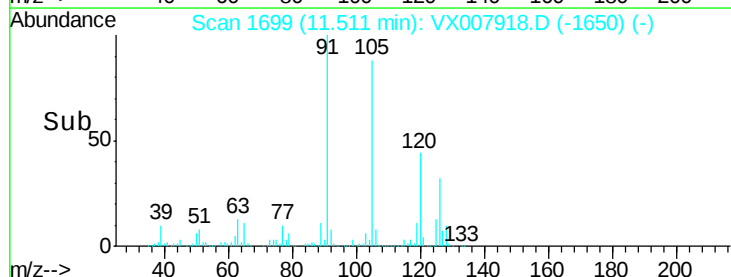
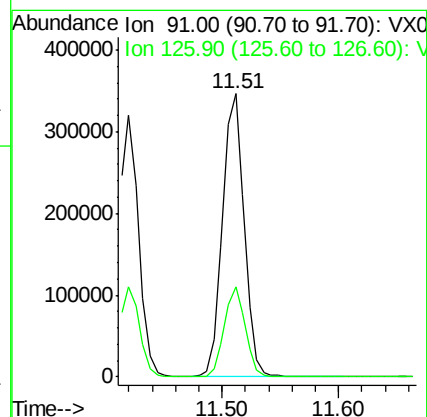
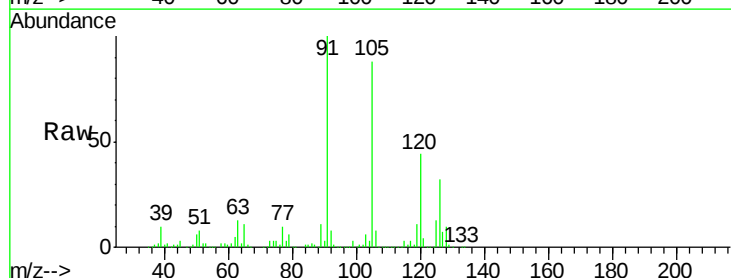
Acq: 08 Mar 2019 07:23

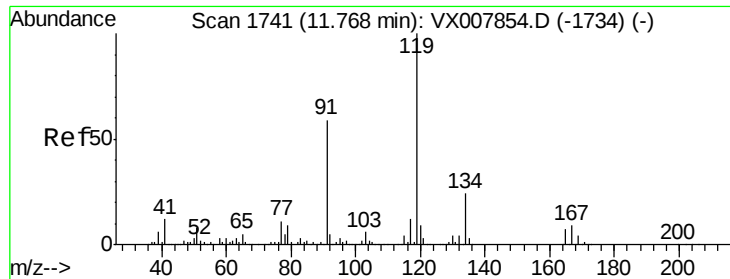
Tgt Ion: 91 Resp: 442248

Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.8





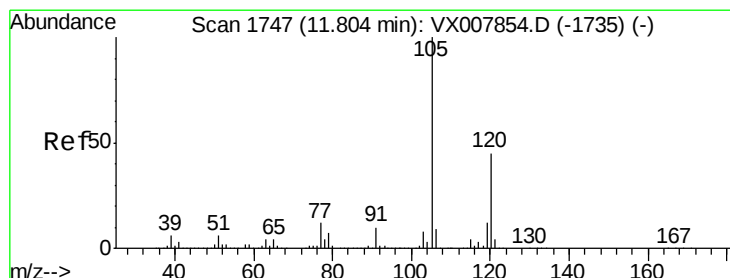
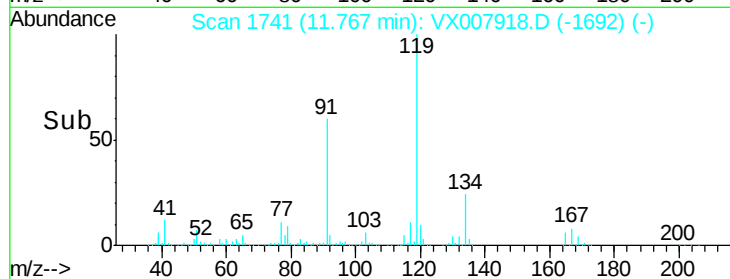
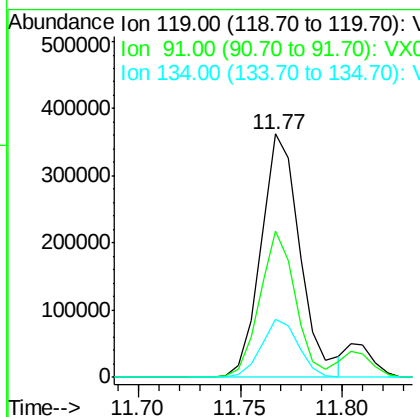
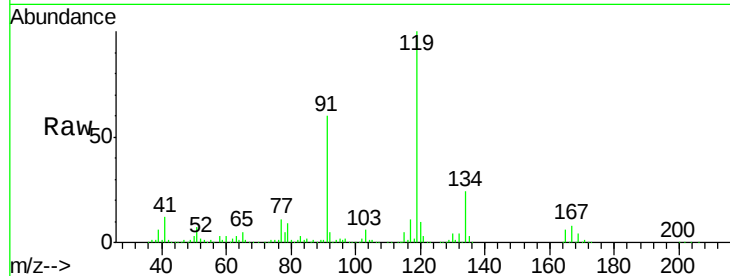
#83
 tert-Butylbenzene
 Concen: 51.148 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.8	27.1	81.3
134	22.8	11.4	34.1

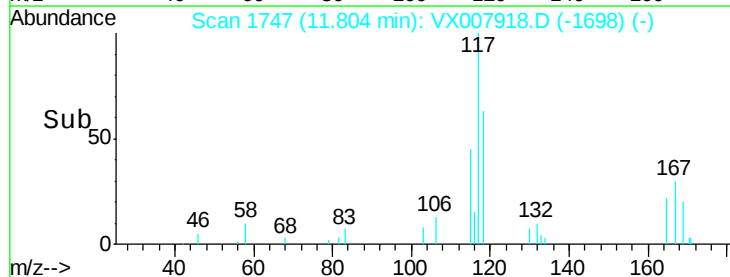
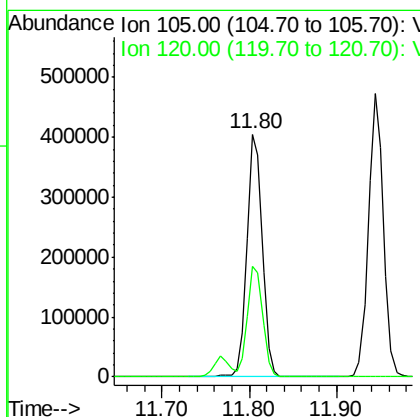
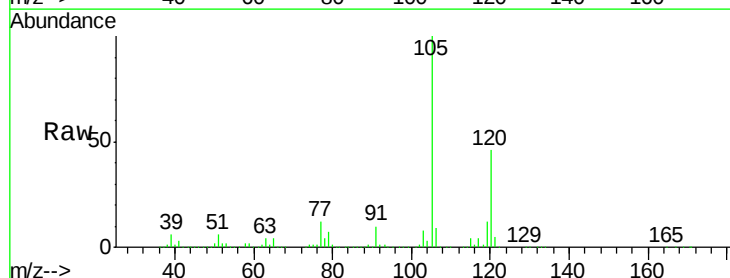
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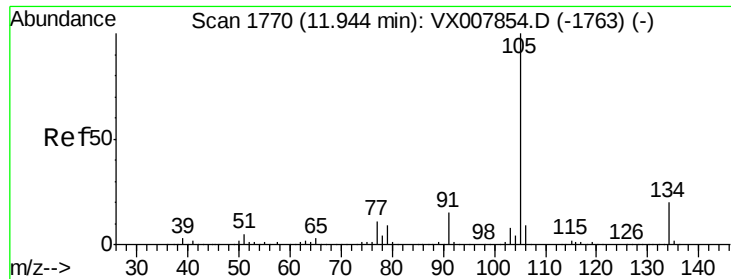
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.939 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.7





#85

sec-Butylbenzene

Concen: 51.106 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 569819

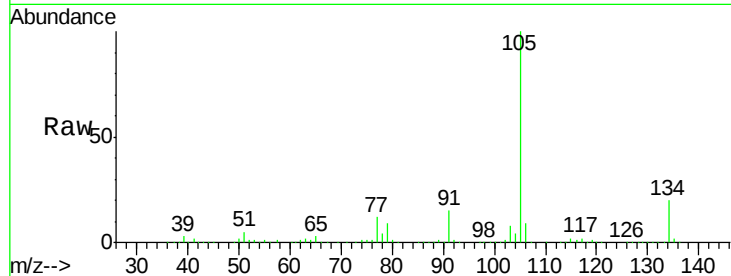
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.2

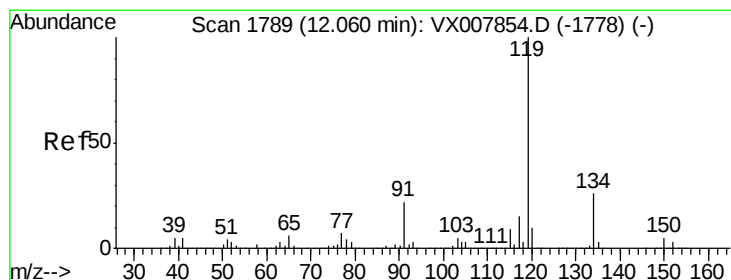
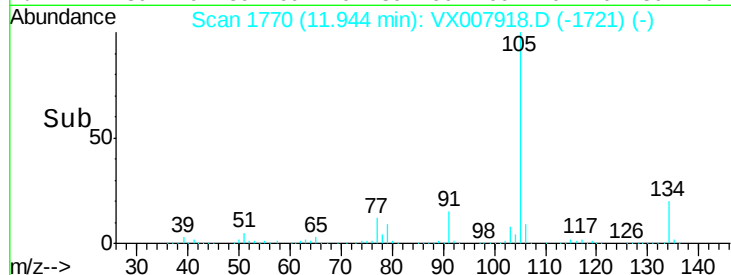
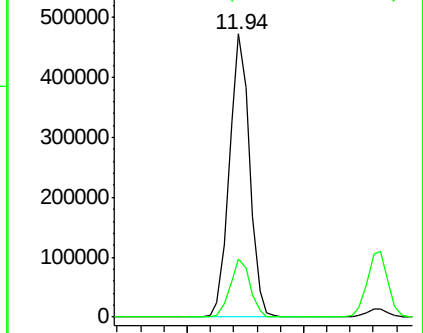
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.249 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

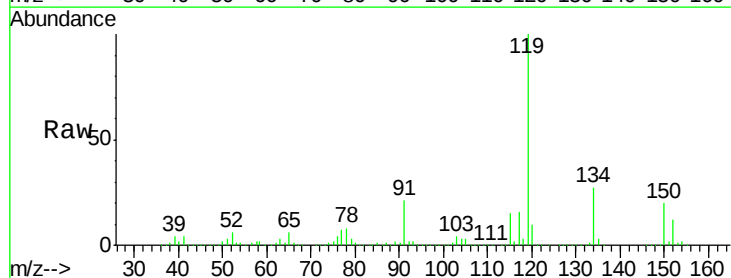
Tgt Ion:119 Resp: 511741

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

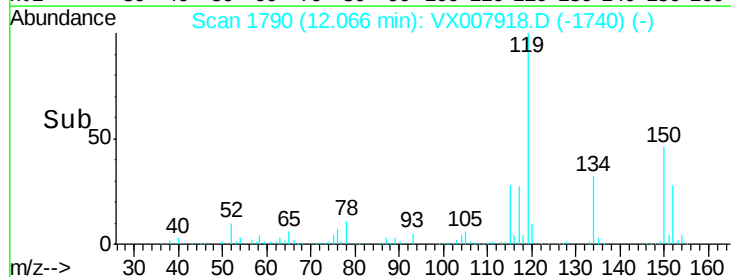
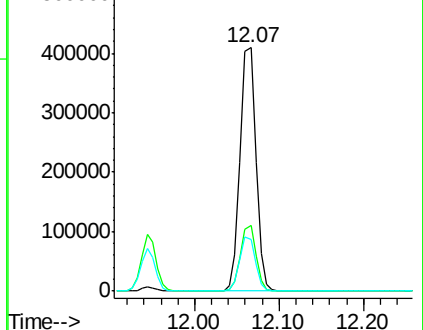
91 21.9 10.9 32.7

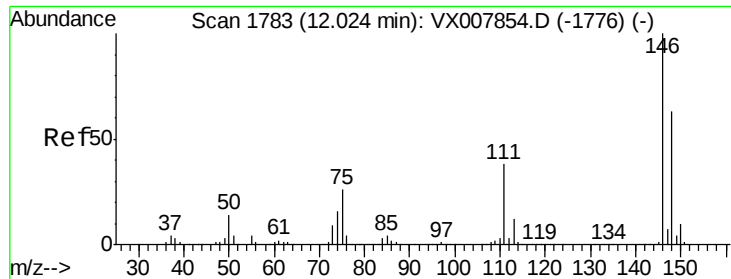


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





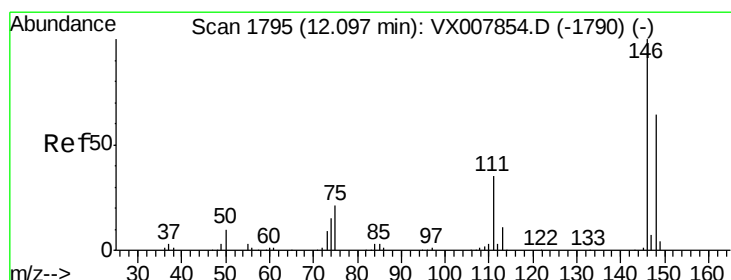
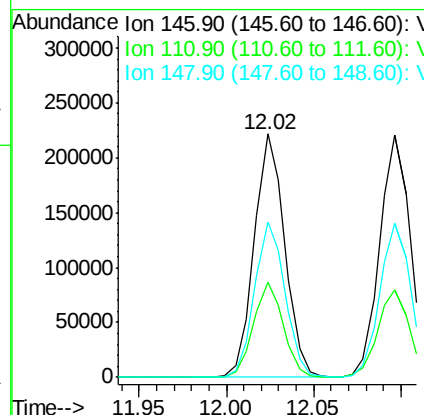
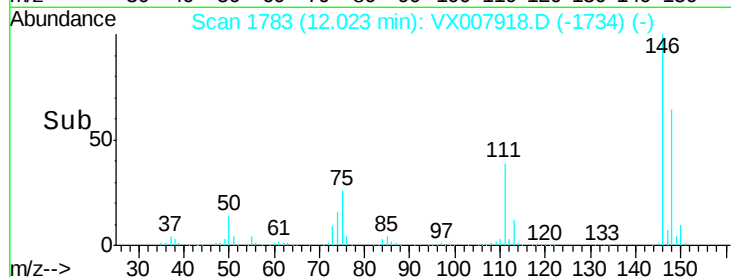
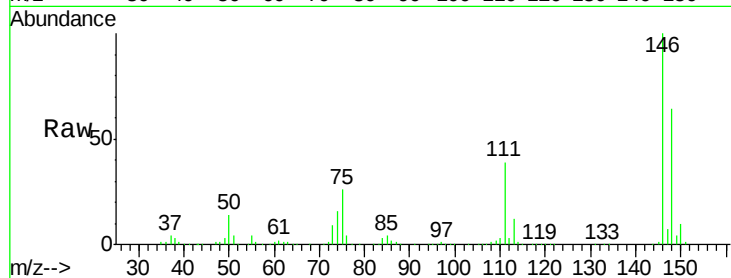
#87
 1,3-Dichlorobenzene
 Concen: 48.552 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.7
148	63.9	31.7	95.1

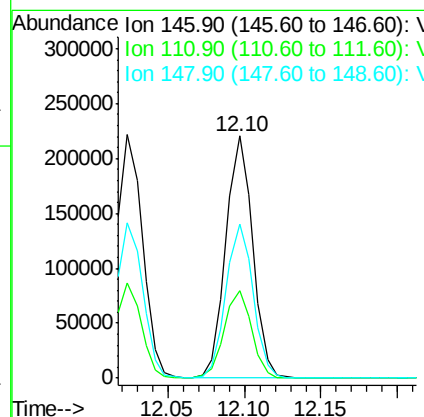
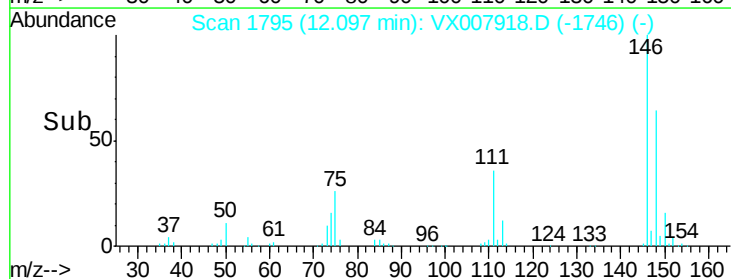
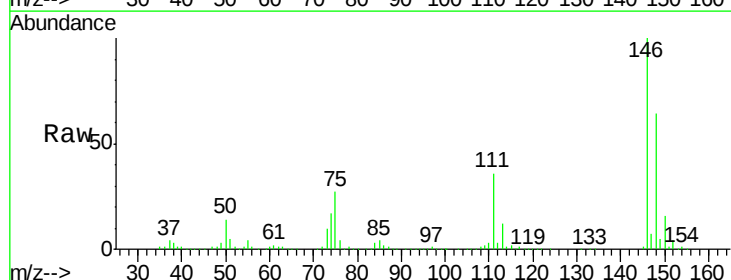
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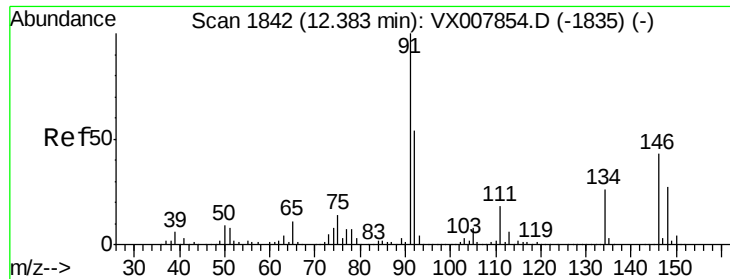
MMDadoda
 3/8/2019 9:40:10 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.318 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.0
148	64.6	32.2	96.6





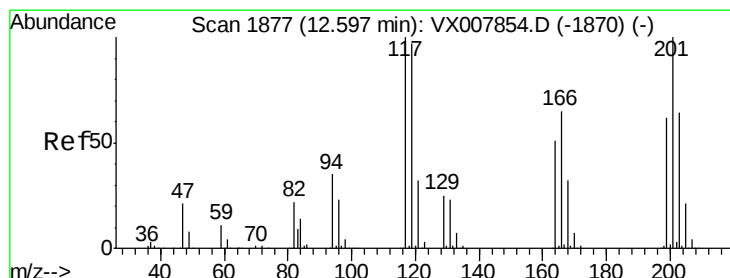
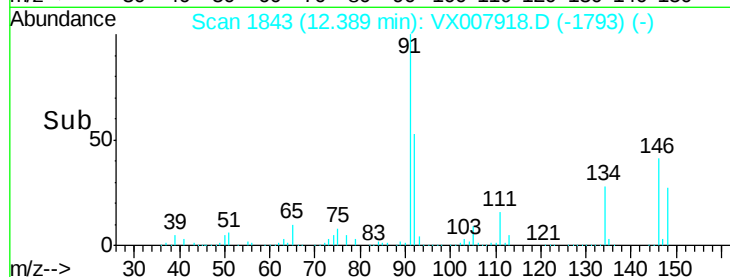
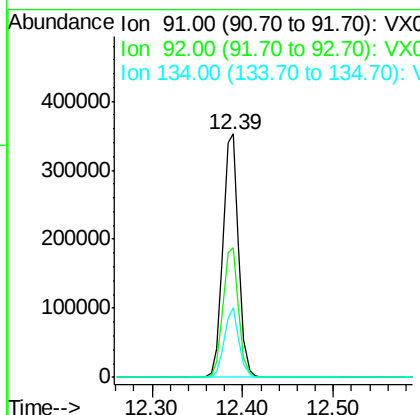
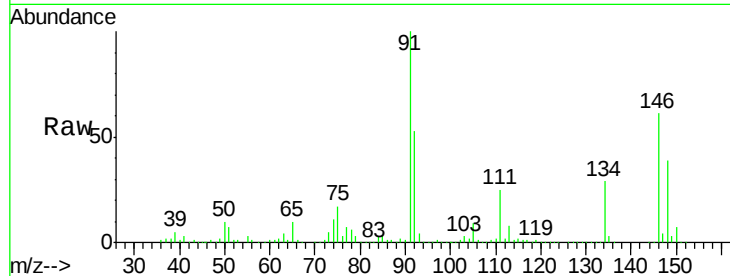
#89
n-Butylbenzene
Concen: 50.163 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.0	80.8
134	27.1	13.7	41.0

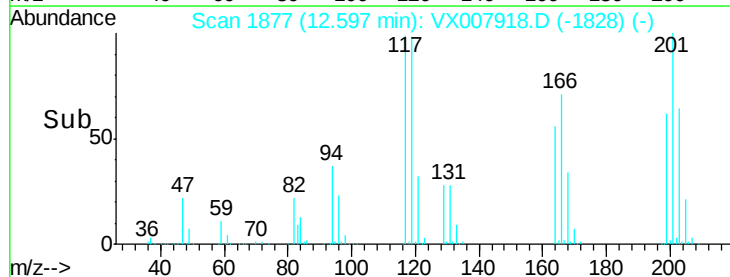
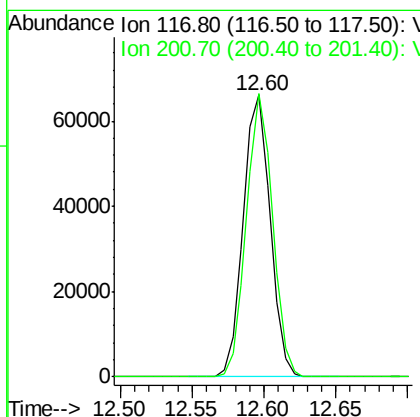
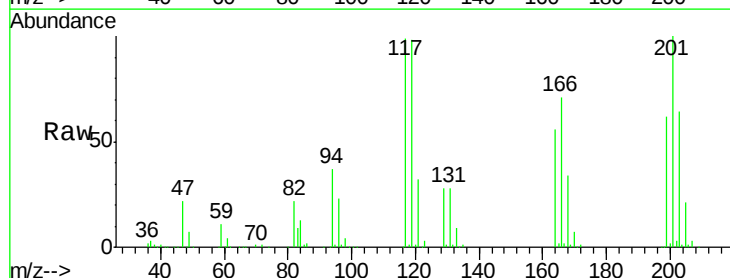
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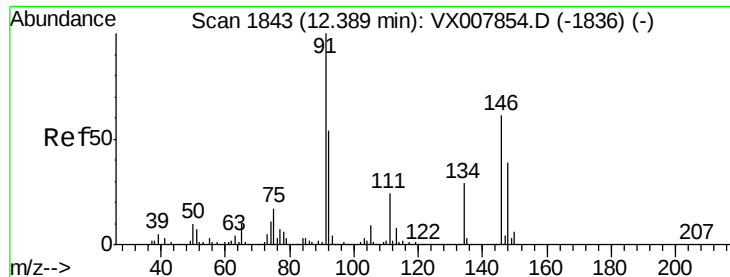
MMDadoda
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#90
Hexachloroethane
Concen: 51.091 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007918.D
Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.5	48.9	146.7





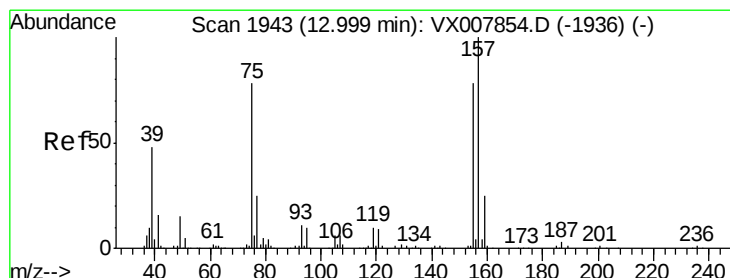
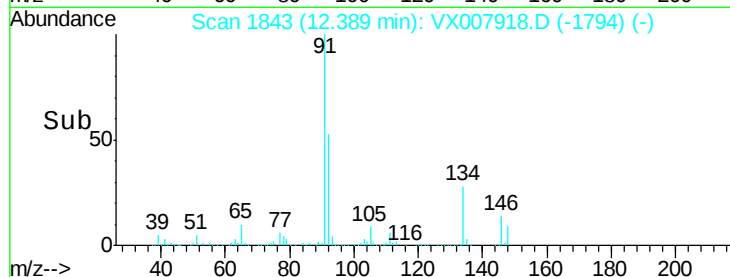
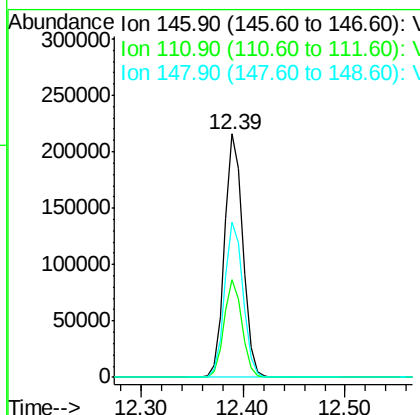
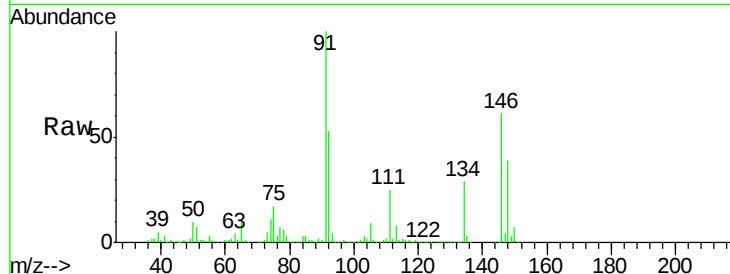
#91
 1,2-Dichlorobenzene
 Concen: 48.860 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.8
148	64.1	31.9	95.5

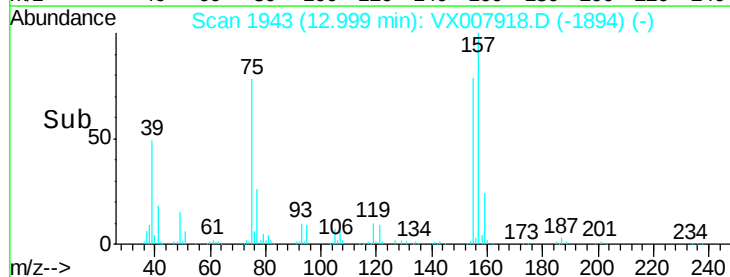
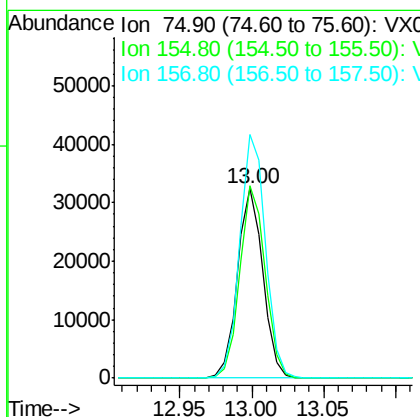
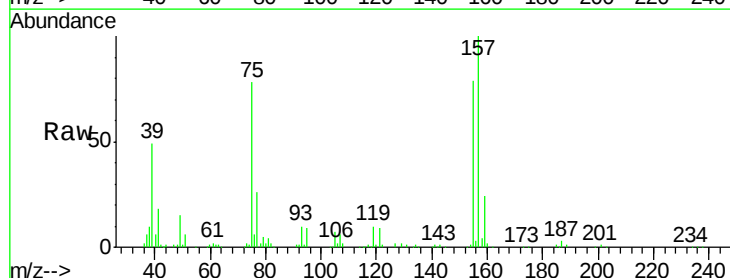
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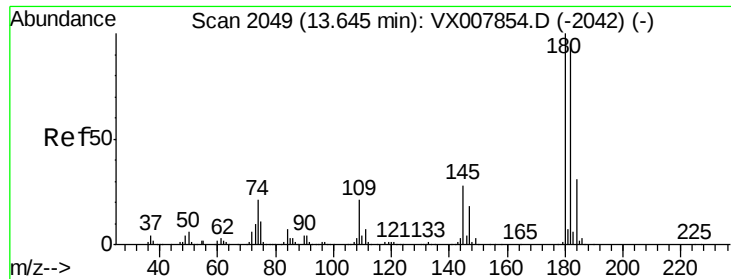
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.374 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	49.7	149.1
157	129.5	63.8	191.4





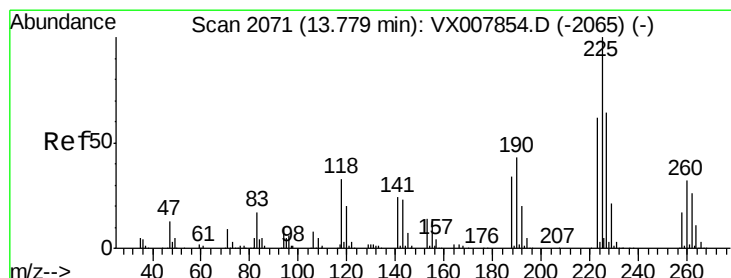
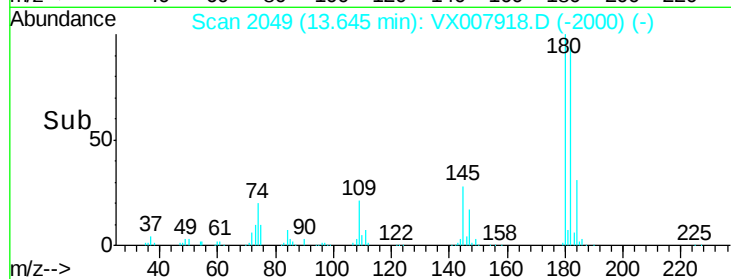
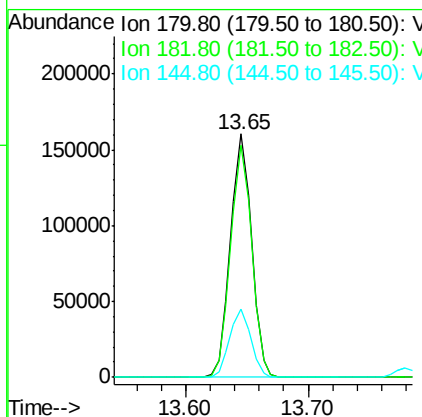
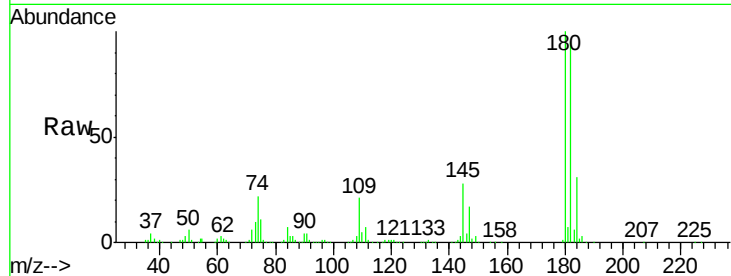
#93
 1,2,4-Trichlorobenzene
 Concen: 49.347 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	190738		
182	95.6	47.9	143.7	
145	28.2	14.1	42.4	

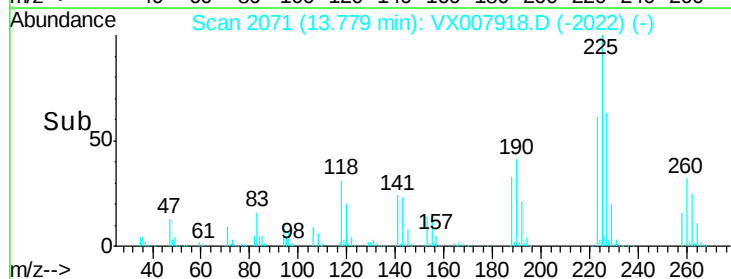
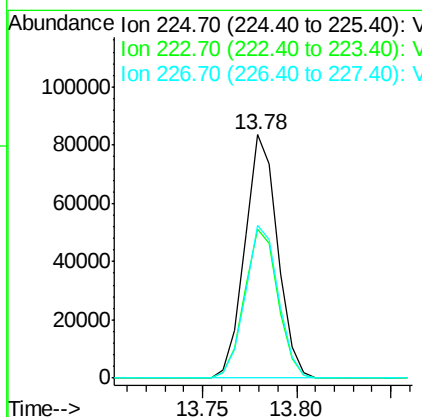
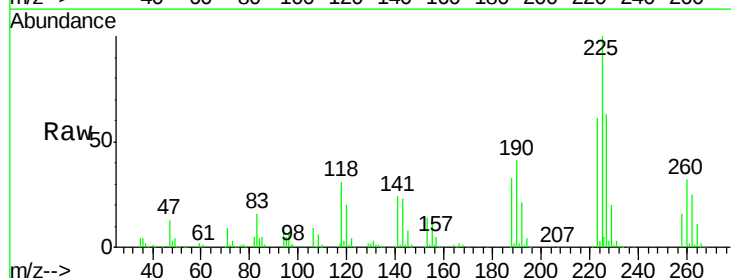
Manual Integrations
 APPROVED

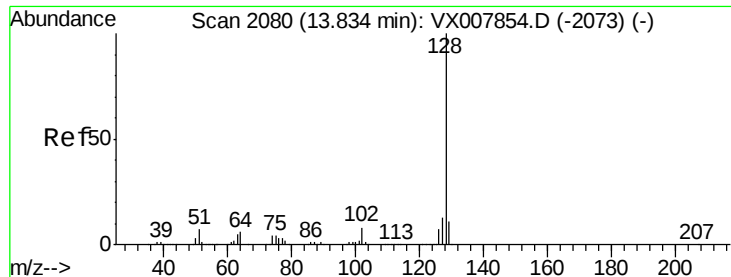
MMDadoda
 3/8/2019 9:40:10 AM



#94
 Hexachlorobutadiene
 Concen: 49.735 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007918.D
 Acq: 08 Mar 2019 07:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100507		
223	62.4	31.1	93.2	
227	63.4	32.0	96.0	





#95

Naphthalene

Concen: 51.839 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Instrument :

MSVOA_X

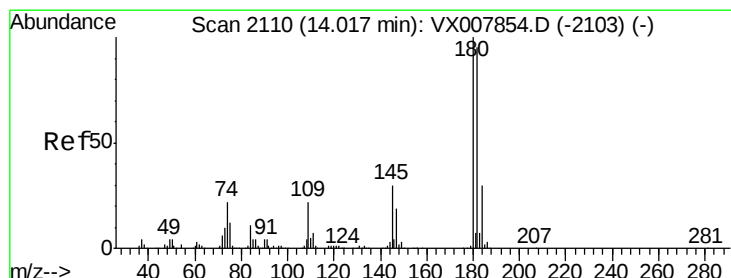
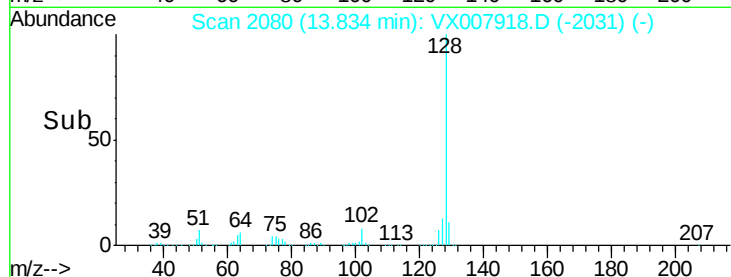
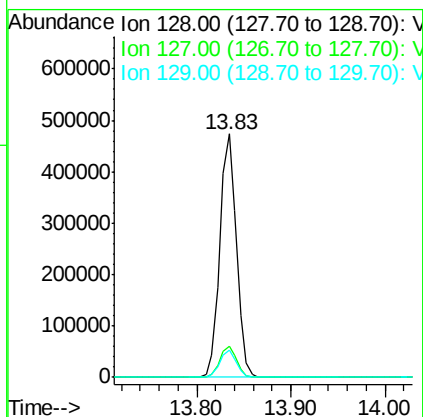
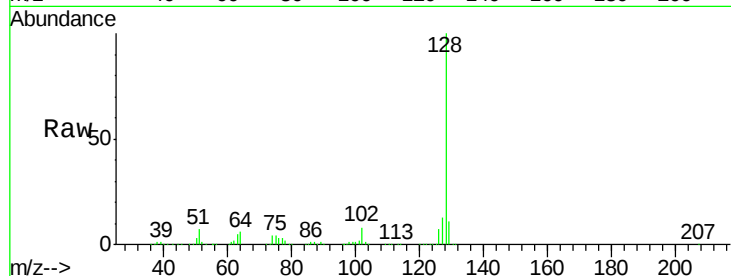
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	577336
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:40:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.886 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007918.D

Acq: 08 Mar 2019 07:23

Tgt Ion:	180	Resp:	192084
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	29.9	14.8	44.3

