

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010194.D
 Acq On : 10 Jun 2019 22:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:53:48 AM

Quant Time: Jun 11 08:00:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	346755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182164	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	119965	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
35) Dibromofluoromethane	5.50	113	120583	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
50) Toluene-d8	8.71	98	458374	51.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.13	95	169229	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	120810	52.686	ug/l	100
3) Chloromethane	1.32	50	117570	51.628	ug/l	100
4) Vinyl Chloride	1.41	62	123059	57.497	ug/l	99
5) Bromomethane	1.64	94	49415	61.184	ug/l	99
6) Chloroethane	1.71	64	66828	61.930	ug/l	100
7) Trichlorofluoromethane	1.92	101	182309	57.344	ug/l	100
8) Diethyl Ether	2.19	74	62920	57.421	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	106384	48.544	ug/l	91
10) Methyl Iodide	2.51	142	176257	51.910	ug/l	97
11) Tert butyl alcohol	3.05	59	151024	253.440	ug/l	100
12) 1,1-Dichloroethene	2.37	96	110697	49.454	ug/l #	77
13) Acrolein	2.29	56	36622	337.046	ug/l	100
14) Allyl chloride	2.73	41	158551	46.925	ug/l #	88
15) Acrylonitrile	3.14	53	314094	257.877	ug/l	98
16) Acetone	2.45	43	253438	221.516	ug/l #	87
17) Carbon Disulfide	2.57	76	299421	46.295	ug/l	99
18) Methyl Acetate	2.78	43	127652	50.734	ug/l #	83
19) Methyl tert-butyl Ether	3.20	73	355292	49.406	ug/l	95
20) Methylene Chloride	2.85	84	124266	49.456	ug/l #	77
21) trans-1,2-Dichloroethene	3.17	96	118033	47.649	ug/l #	77
22) Diisopropyl ether	3.85	45	328914	50.916	ug/l #	91
23) Vinyl Acetate	3.82	43	1454549	252.393	ug/l #	86
24) 1,1-Dichloroethane	3.70	63	191428	48.806	ug/l	94
25) 2-Butanone	4.68	43	426992	250.629	ug/l #	80
26) 2,2-Dichloropropane	4.58	77	143169	40.011	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	139322	50.557	ug/l	76
28) Bromochloromethane	5.02	49	83700	47.615	ug/l #	48
29) Tetrahydrofuran	5.13	42	275374	257.194	ug/l #	74
30) Chloroform	5.21	83	202384	49.684	ug/l	100
31) Cyclohexane	5.58	56	176108	49.750	ug/l #	79
32) 1,1,1-Trichloroethane	5.49	97	182705	47.711	ug/l	93
36) 1,1-Dichloropropene	5.80	75	148857	47.502	ug/l	92
37) Ethyl Acetate	4.84	43	161012	49.382	ug/l #	91
38) Carbon Tetrachloride	5.79	117	166744	47.010	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	195412	45.795	ug/l #	82
40) Benzene	6.14	78	481190	49.658	ug/l	99
41) Methacrylonitrile	5.04	41	87003	49.329	ug/l #	84
42) 1,2-Dichloroethane	6.19	62	145616	47.071	ug/l	92
43) Isopropyl Acetate	6.45	43	265323	48.669	ug/l #	89
44) Trichloroethene	7.21	130	141884	48.576	ug/l	86
45) 1,2-Dichloropropane	7.51	63	120251	49.581	ug/l	97
46) Dibromomethane	7.66	93	85975	47.317	ug/l	90
47) Bromodichloromethane	7.90	83	162036	47.724	ug/l #	99
48) Methyl methacrylate	7.77	41	123140	48.299	ug/l #	76
49) 1,4-Dioxane	7.74	88	72633	999.208	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	848935	260.668	ug/l	89
52) Toluene	8.78	92	309409	48.575	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	179740	45.768	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	196755	46.734	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	130661	50.087	ug/l	97
56) Ethyl methacrylate	9.18	69	205981	49.986	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	200336	48.780	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	472322	243.135	ug/l #	86
59) 2-Hexanone	9.49	43	654306	251.980	ug/l	87
60) Dibromochloromethane	9.58	129	152062	49.281	ug/l	100
61) 1,2-Dibromoethane	9.67	107	140650	48.410	ug/l	100
64) Tetrachloroethene	9.34	164	128994	50.087	ug/l	95
65) Chlorobenzene	10.14	112	351747	49.149	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	133892	48.649	ug/l	99
67) Ethyl Benzene	10.25	91	596578	48.967	ug/l	95
68) m/p-Xylenes	10.36	106	464596	98.545	ug/l	89
69) o-Xylene	10.69	106	229079	48.880	ug/l	89
70) Styrene	10.71	104	395304	49.803	ug/l	94
71) Bromoform	10.85	173	126938	50.170	ug/l #	97
73) Isopropylbenzene	11.02	105	598933	47.100	ug/l	94
74) N-amyl acetate	10.90	43	241834	48.110	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	207330	47.630	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	166604m	45.725	ug/l	
77) Bromobenzene	11.26	156	169122	48.363	ug/l	79
78) n-propylbenzene	11.36	91	666481	47.079	ug/l	94
79) 2-Chlorotoluene	11.42	91	394416	46.388	ug/l	89
80) 1,3,5-Trimethylbenzene	11.51	105	502434	46.910	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	71580	43.405	ug/l #	83
82) 4-Chlorotoluene	11.51	91	453245	46.927	ug/l	91
83) tert-Butylbenzene	11.77	119	511812	47.213	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	512998	47.418	ug/l	95
85) sec-Butylbenzene	11.94	105	596984	47.269	ug/l	96
86) p-Isopropyltoluene	12.06	119	548279	47.487	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	294867	47.872	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	295217	47.545	ug/l	98
89) n-Butylbenzene	12.38	91	463358	46.623	ug/l	97
90) Hexachloroethane	12.59	117	105476	45.860	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	291697	48.712	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44606	43.547	ug/l	62

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ClientSampleId :
VSTDCCC050

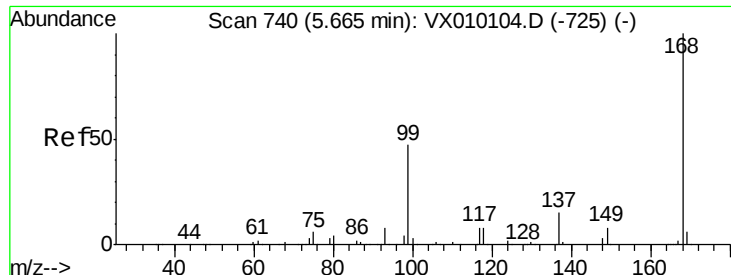
Manual Integrations
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6/11/2019 11:53:48 AM

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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	208982	47.677	ug/l	99
94) Hexachlorobutadiene	13.78	225	94899	48.681	ug/l	100
95) Naphthalene	13.83	128	661438	47.937	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	207907	47.972	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 249203

Ion Ratio Lower Upper

168 100

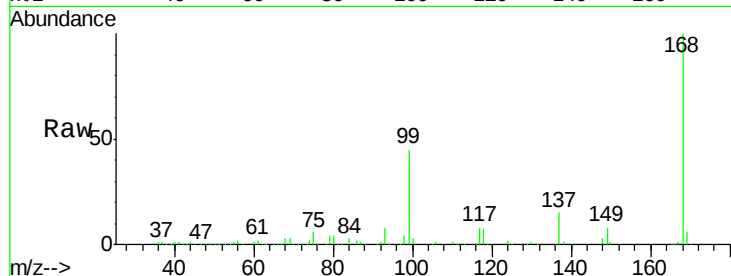
99 44.5 43.0 64.6

Manual Integrations

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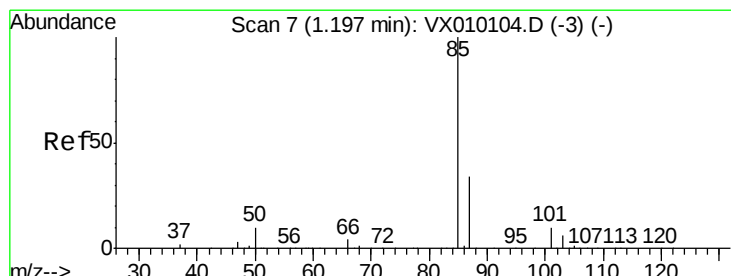
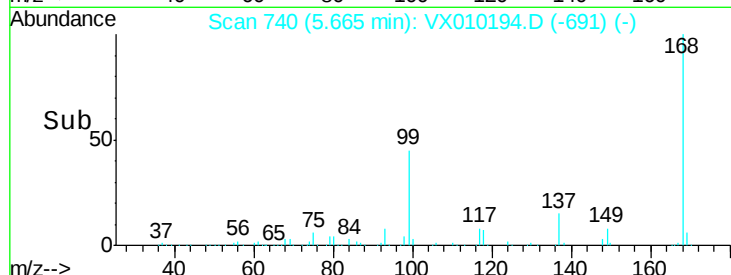
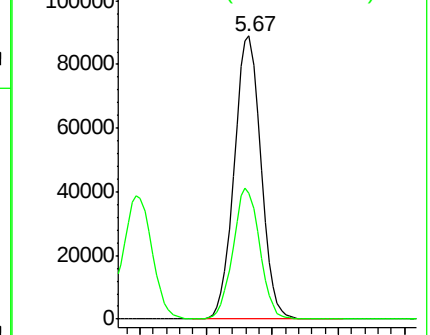
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 52.686 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010194.D

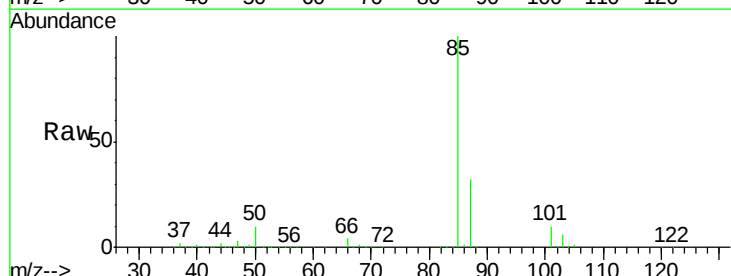
Acq: 10 Jun 2019 22:23

Tgt Ion: 85 Resp: 120810

Ion Ratio Lower Upper

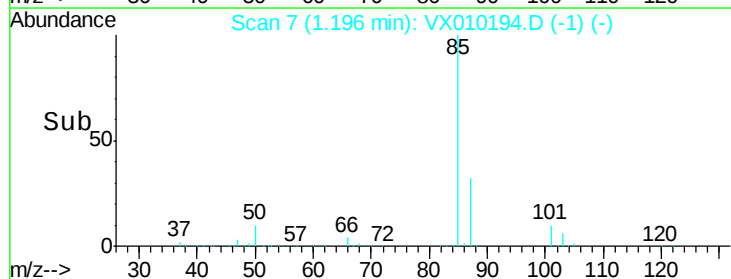
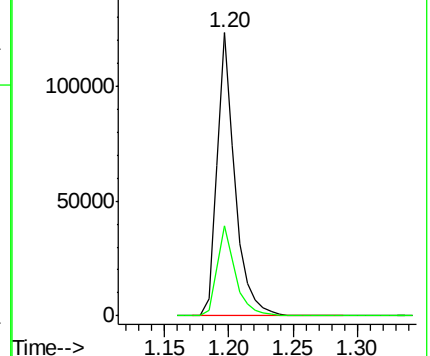
85 100

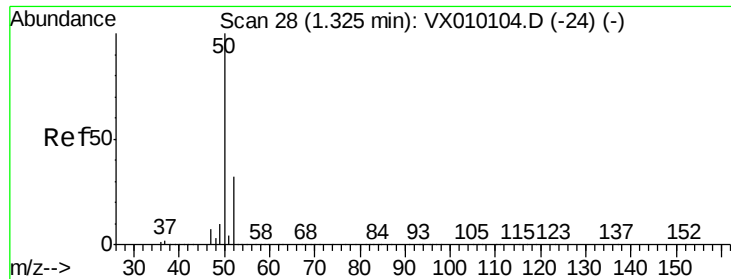
87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 51.628 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 117570

Ion Ratio Lower Upper

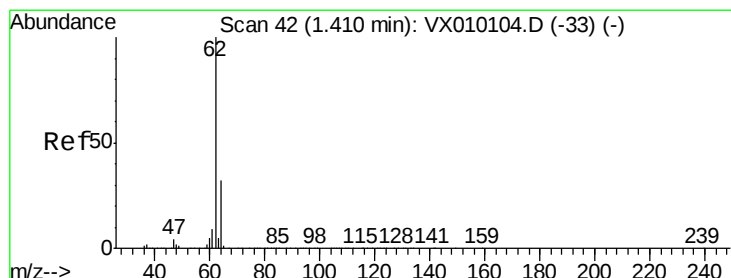
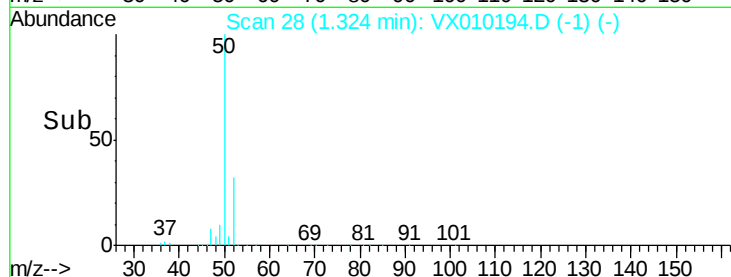
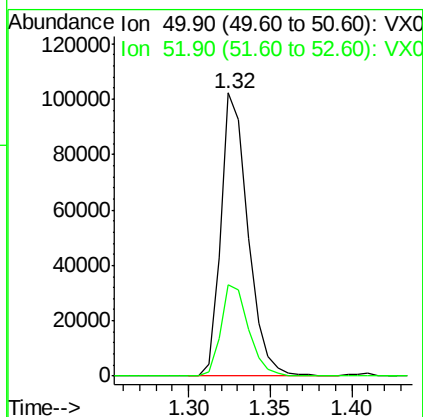
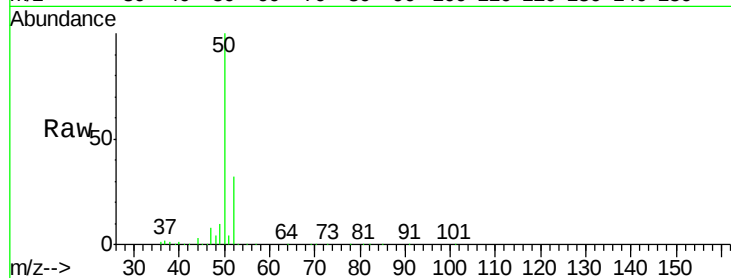
50 100

52 32.3 26.0 39.0

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#4

Vinyl Chloride

Concen: 57.497 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010194.D

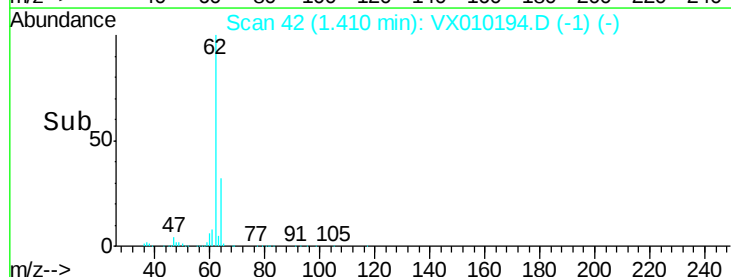
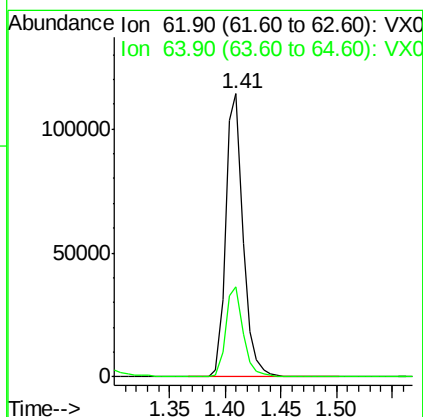
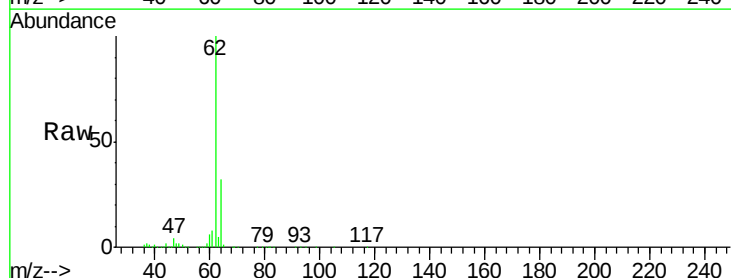
Acq: 10 Jun 2019 22:23

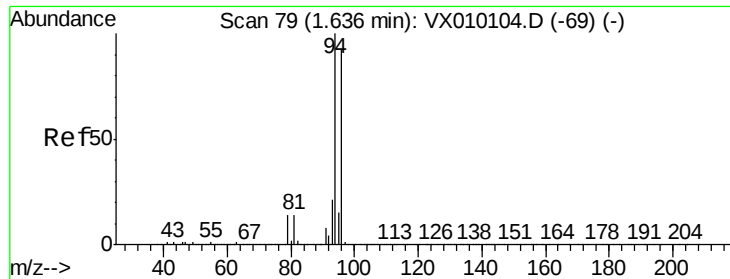
Tgt Ion: 62 Resp: 123059

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5





#5

Bromomethane

Concen: 61.184 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 49415

Ion Ratio Lower Upper

94 100

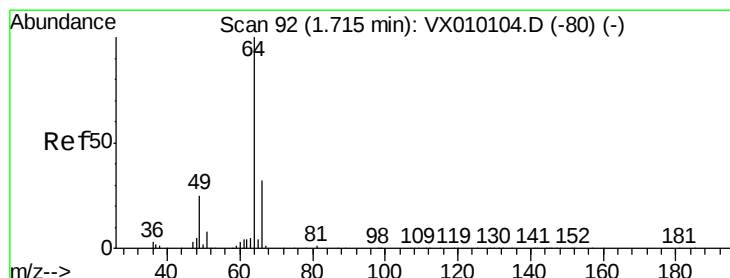
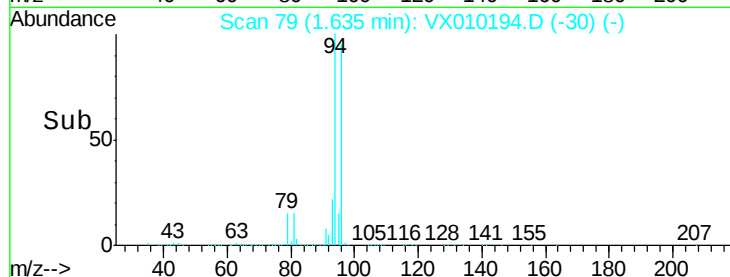
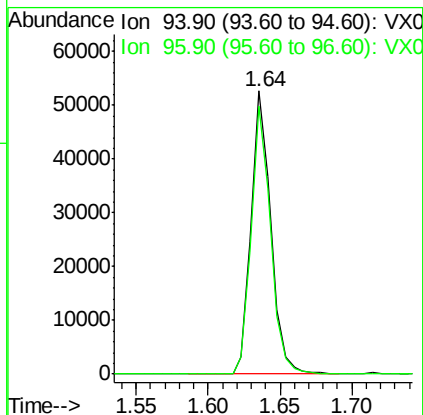
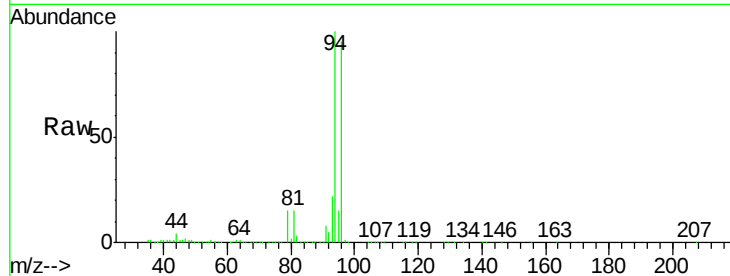
96 94.5 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 61.930 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010194.D

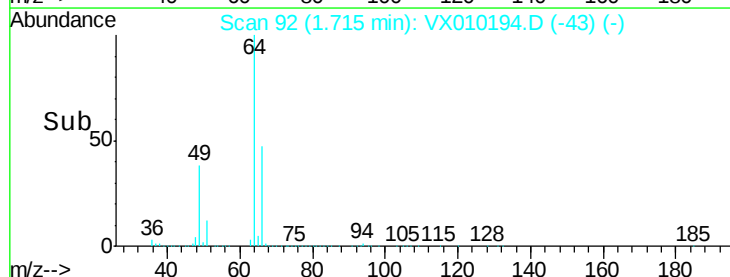
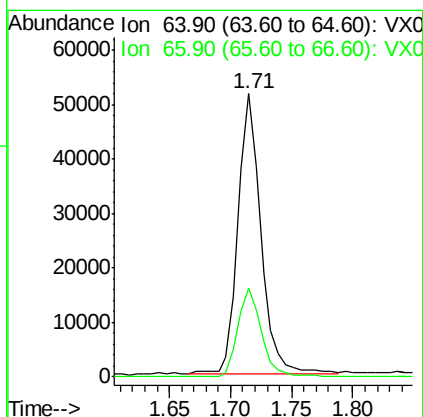
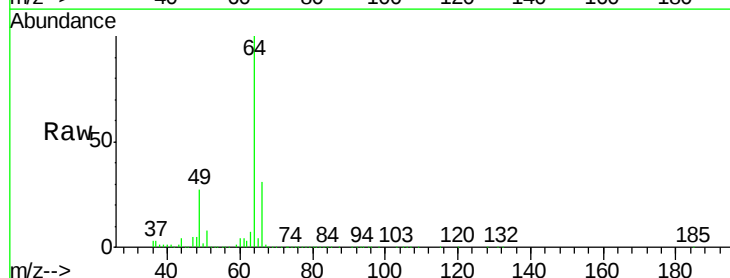
Acq: 10 Jun 2019 22:23

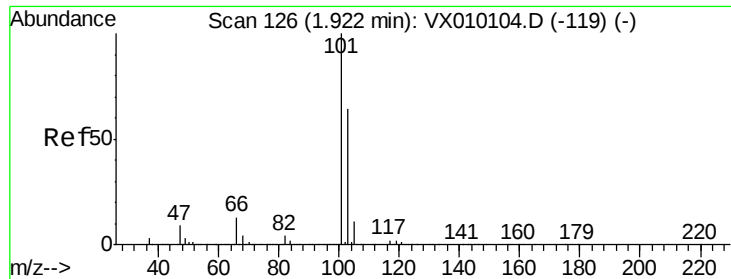
Tgt Ion: 64 Resp: 66828

Ion Ratio Lower Upper

64 100

66 31.3 25.1 37.7





#7

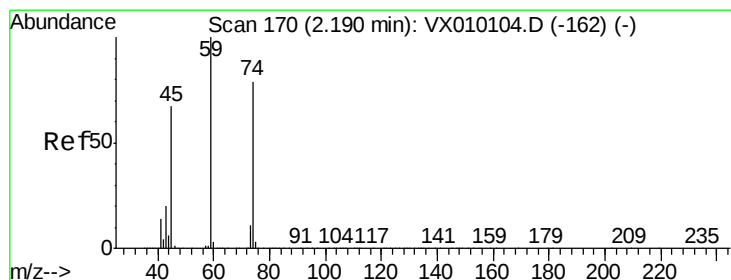
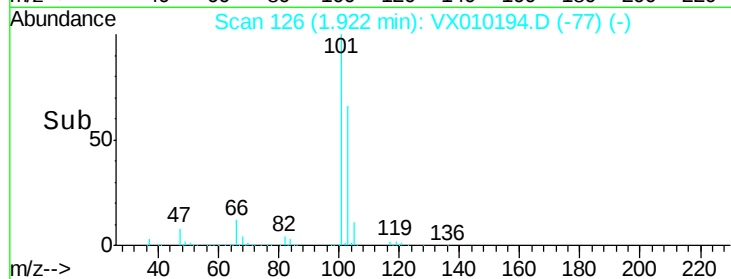
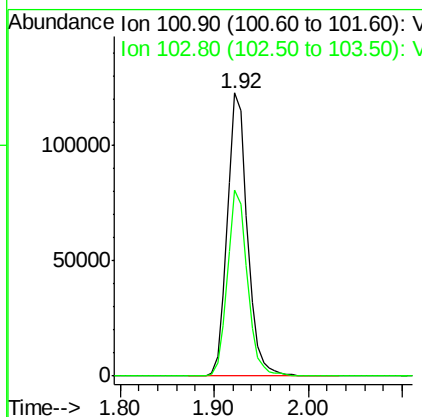
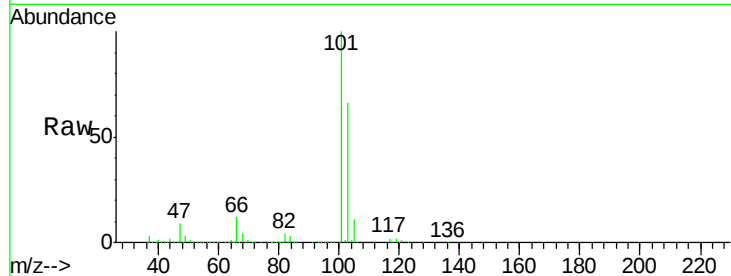
Trichlorofluoromethane
Concen: 57.344 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.2	78.4

Manual Integrations
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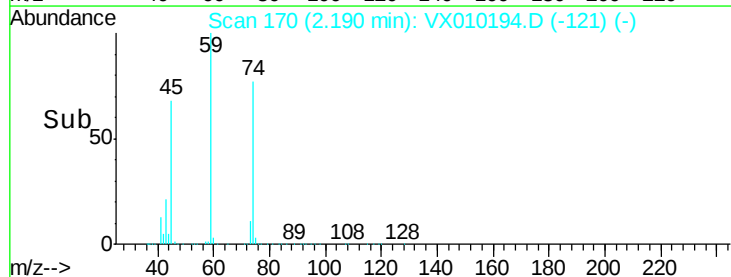
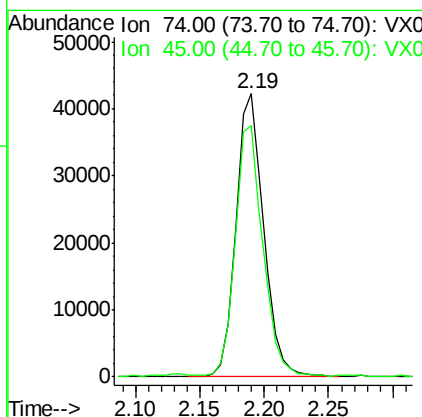
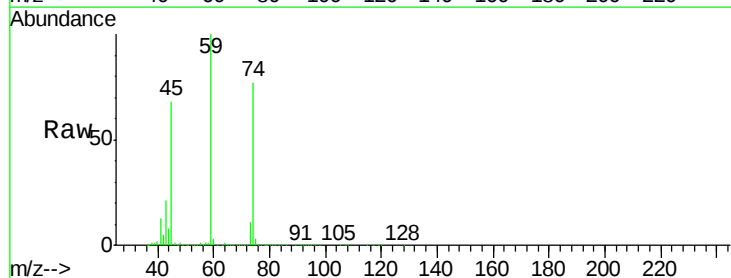
MMDadoda
6/11/2019 11:53:48 AM

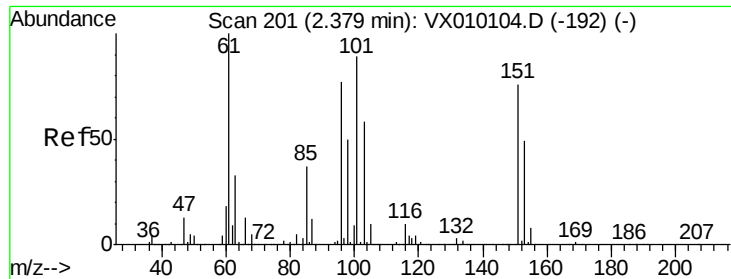


#8

Diethyl Ether
Concen: 57.421 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.4	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.544 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

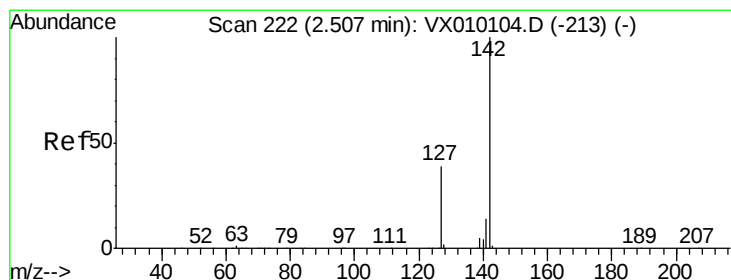
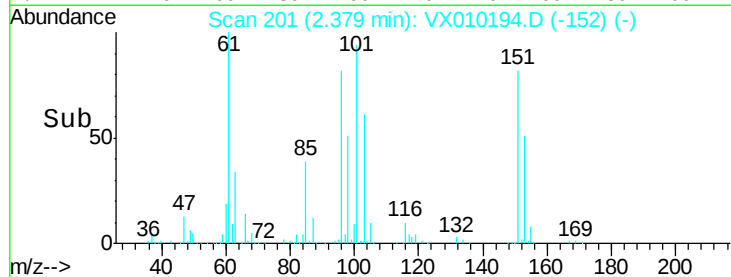
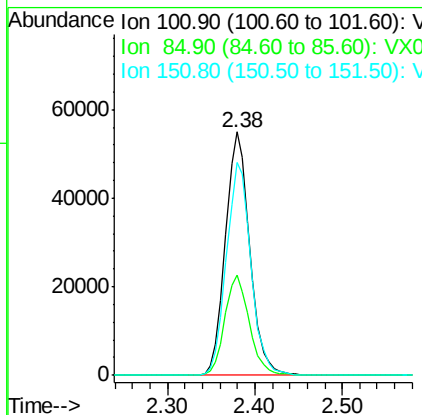
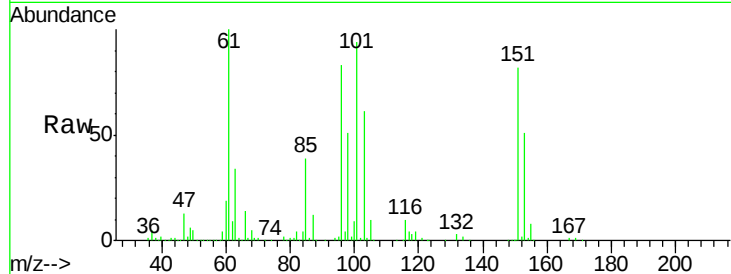
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	106384
Ion Ratio	Lower	Upper	
101	100		
85	41.3	35.2	52.8
151	88.0	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 51.910 ug/l

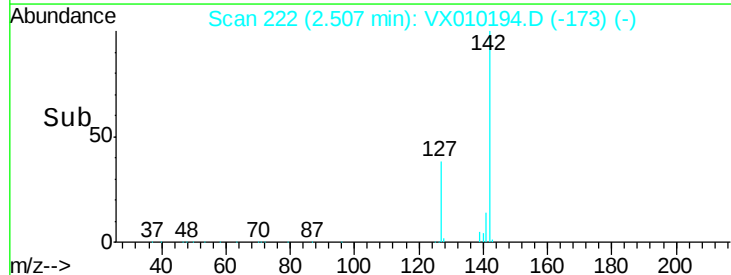
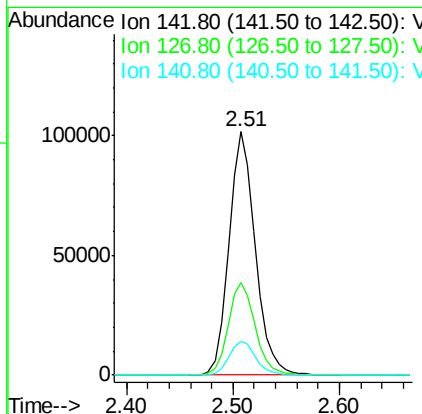
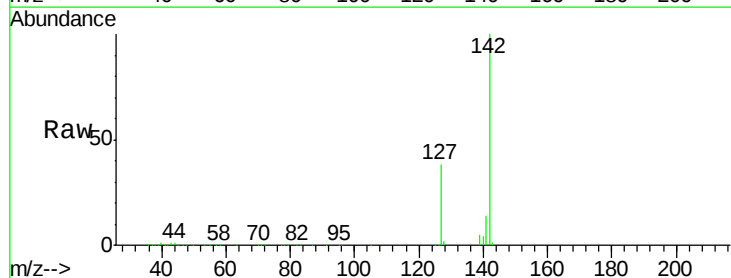
RT: 2.51 min Scan# 222

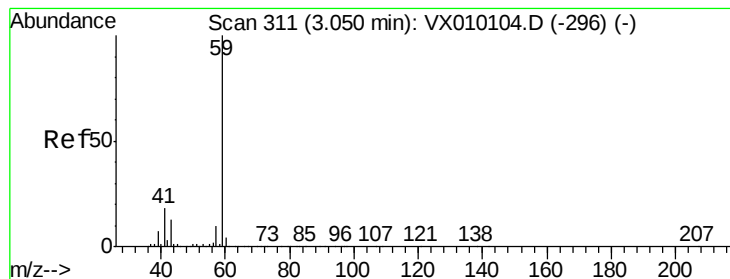
Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion:	142	Resp:	176257
Ion Ratio	Lower	Upper	
142	100		
127	38.7	33.0	49.4
141	14.2	11.4	17.0





#11

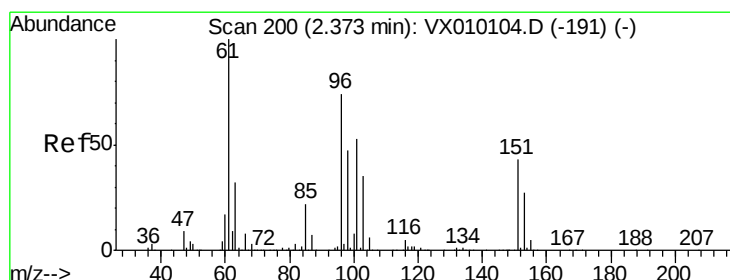
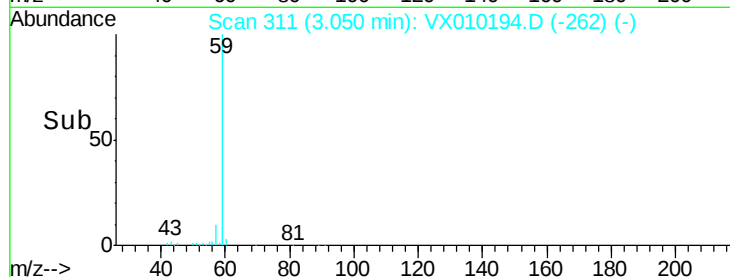
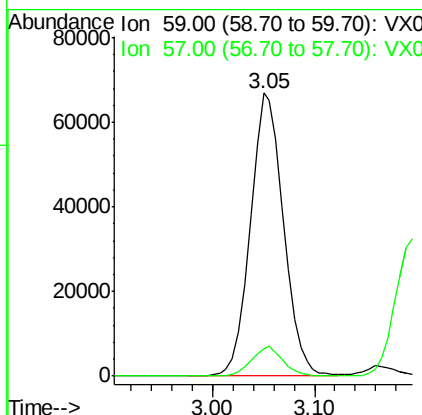
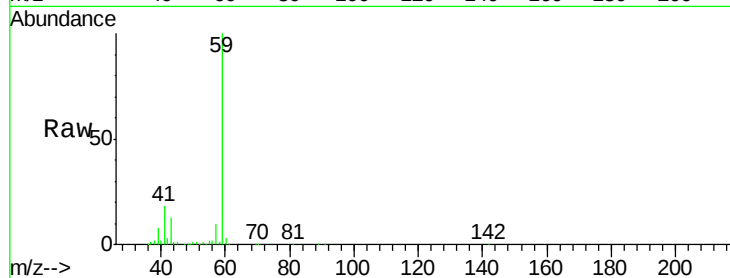
Tert butyl alcohol
Concen: 253.440 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		151024		
57	10.0		8.2	12.2	

Manual Integrations
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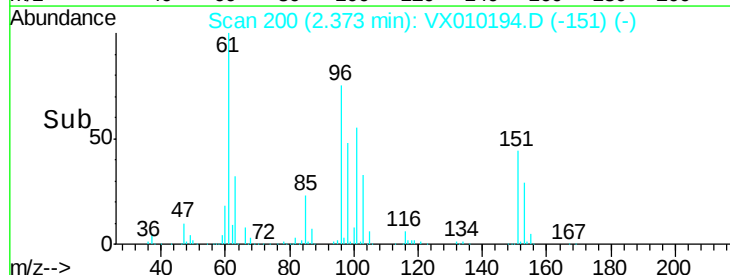
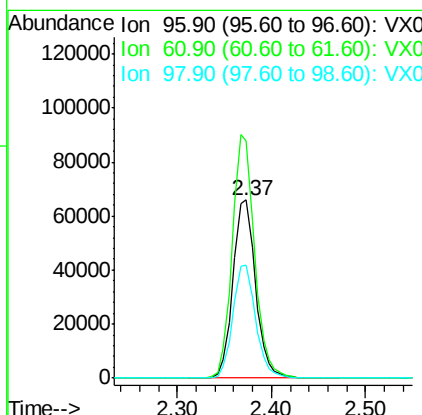
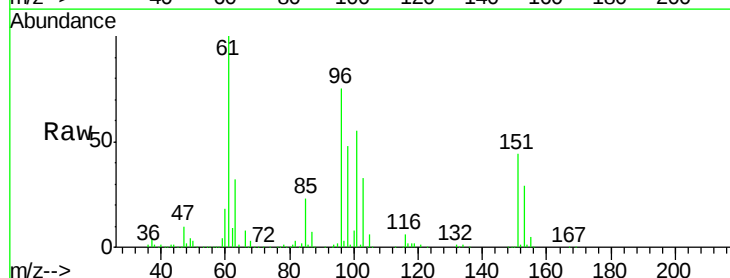
MMDadoda
6/11/2019 11:53:48 AM

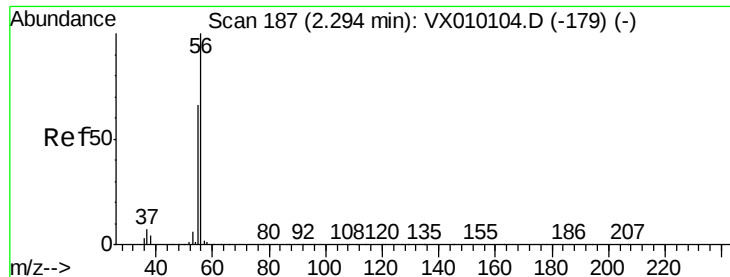


#12

1,1-Dichloroethene
Concen: 49.454 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		110697		
61	133.0		140.7	211.1#	
98	63.4		50.1	75.1	





#13

Acrolein

Concen: 337.046 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 36622

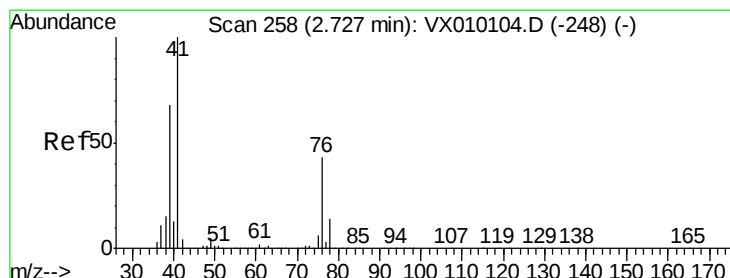
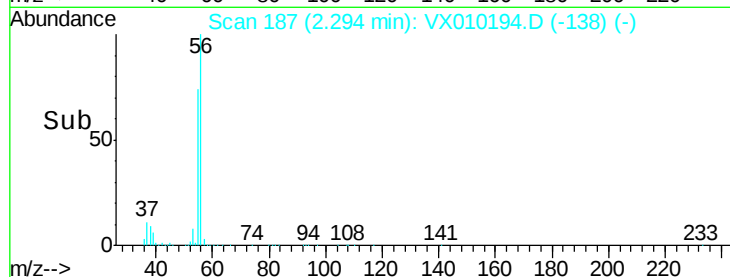
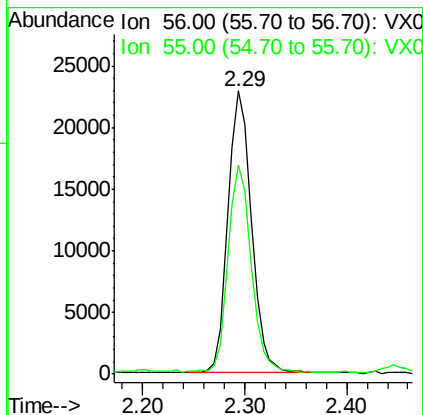
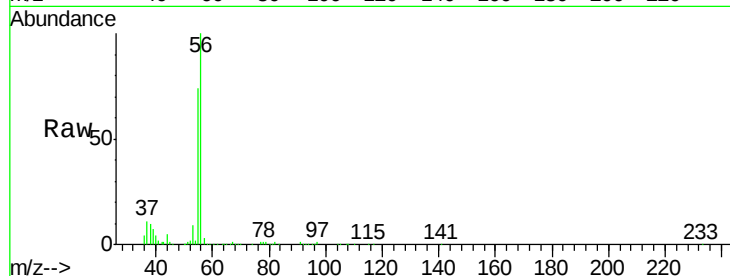
Ion Ratio Lower Upper

56 100

55 71.2 57.0 85.4

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#14

Allyl chloride

Concen: 46.925 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

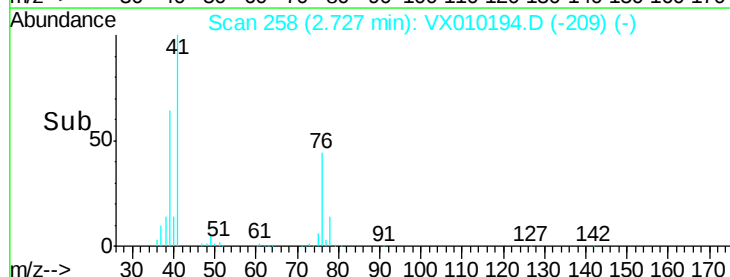
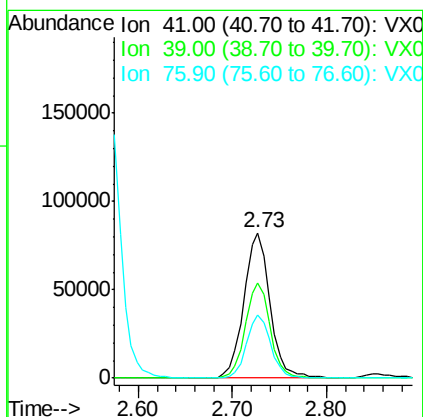
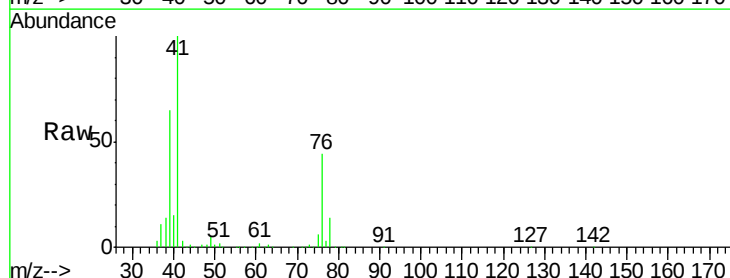
Tgt Ion: 41 Resp: 158551

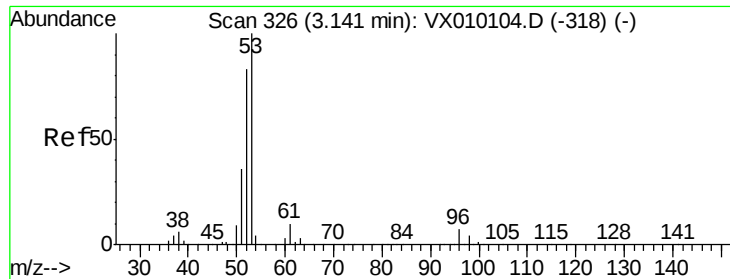
Ion Ratio Lower Upper

41 100

39 62.3 46.7 70.1

76 40.0 21.0 31.4#





#15

Acrylonitrile

Concen: 257.877 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

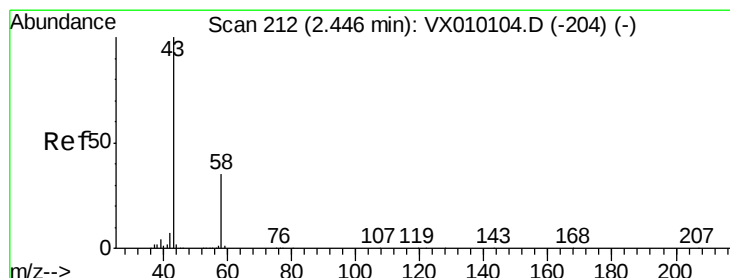
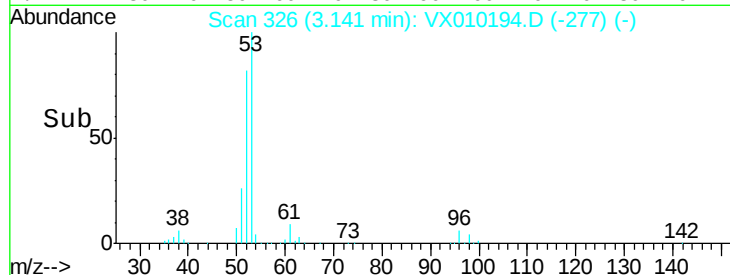
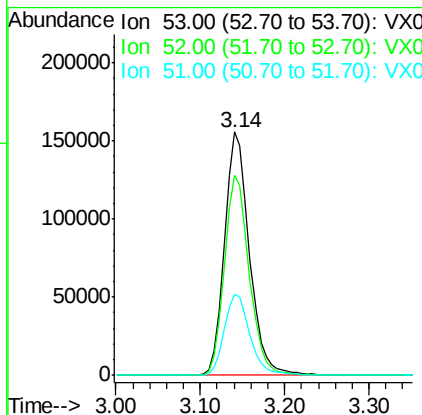
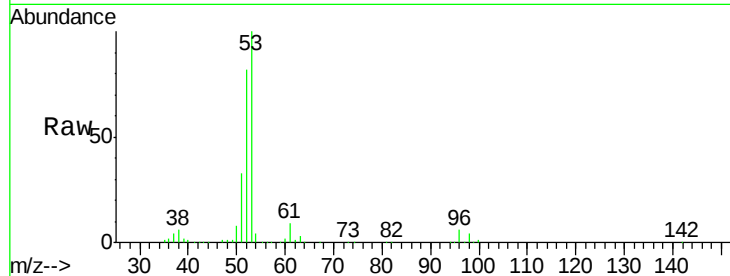
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	314094
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.7	100.1
51	34.6	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 221.516 ug/l

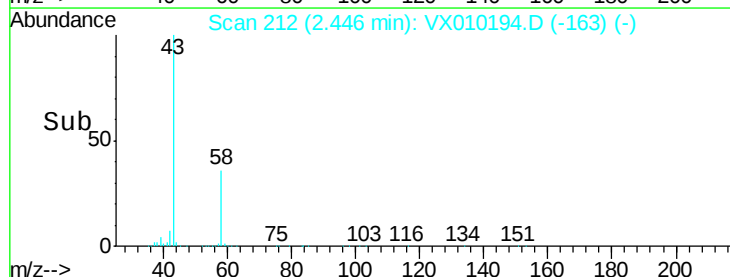
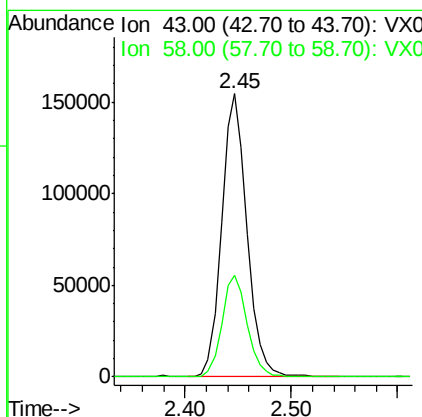
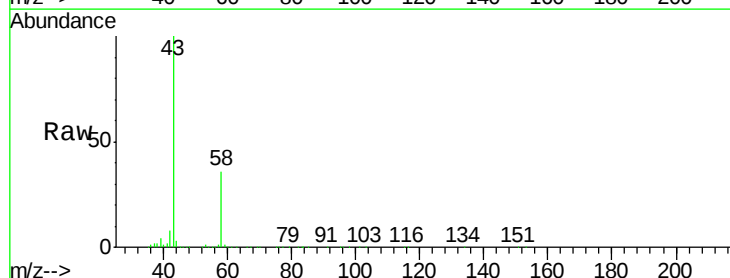
RT: 2.45 min Scan# 212

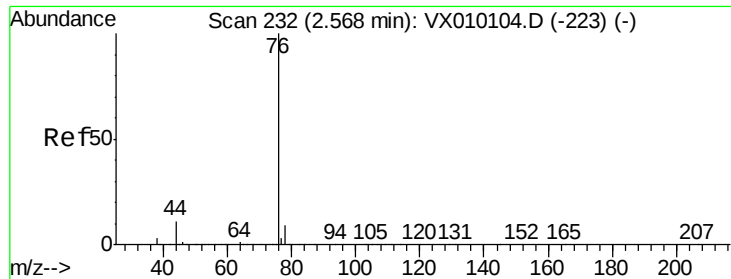
Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion:	43	Resp:	253438
Ion	Ratio	Lower	Upper
43	100		
58	36.1	23.2	34.8#





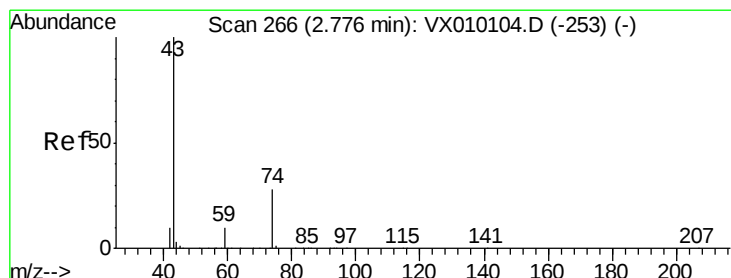
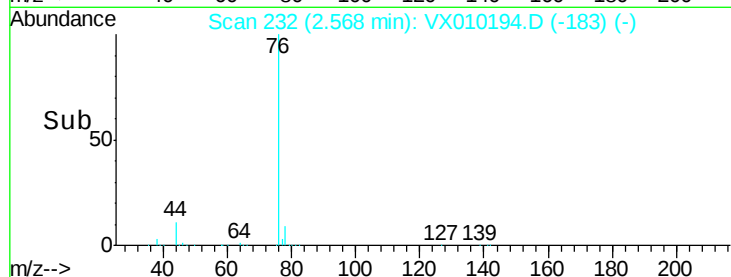
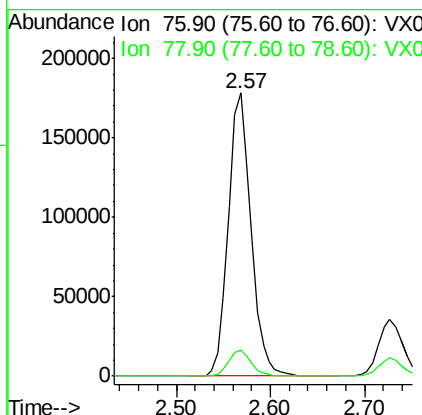
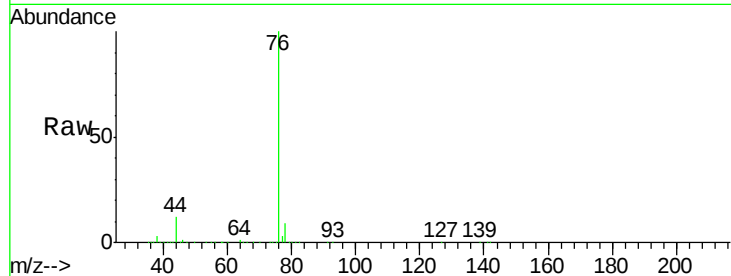
#17
Carbon Disulfide
Concen: 46.295 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

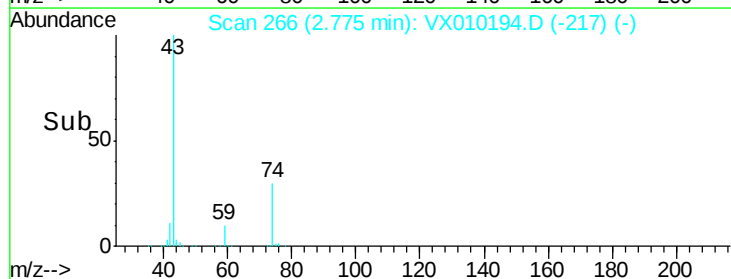
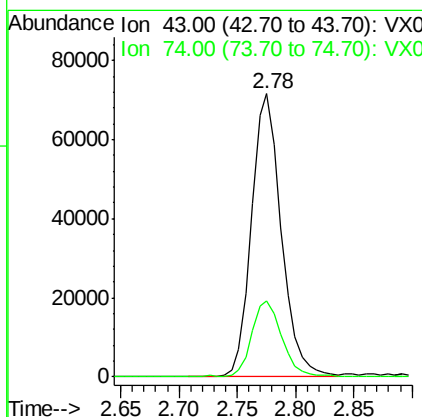
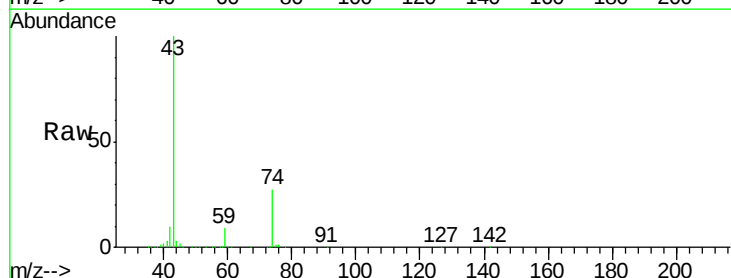
Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:53:48 AM



#18
Methyl Acetate
Concen: 50.734 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.5	15.8	23.6#





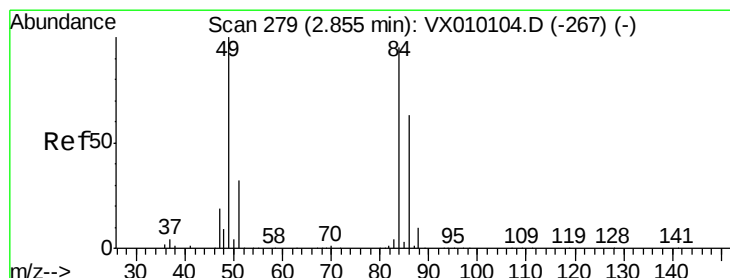
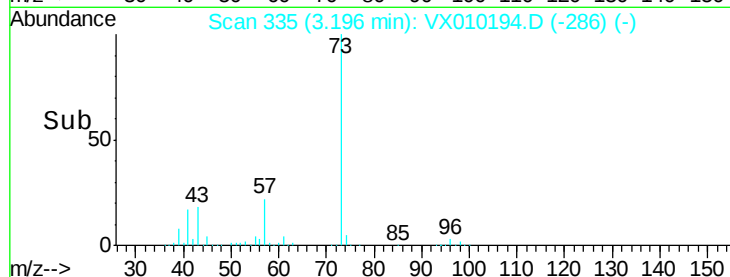
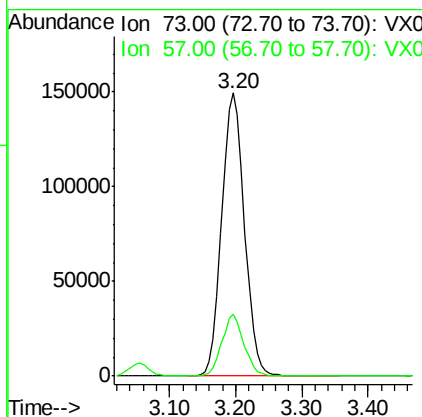
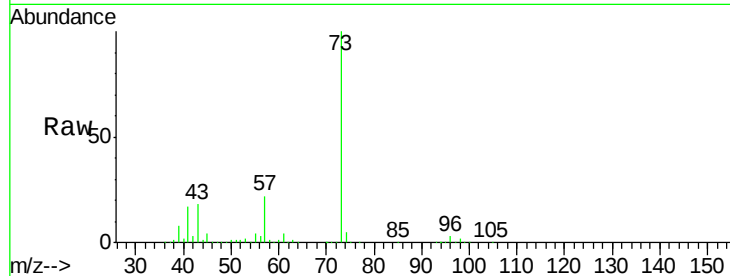
#19
Methyl tert-butyl Ether
Concen: 49.406 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	19.4	29.2

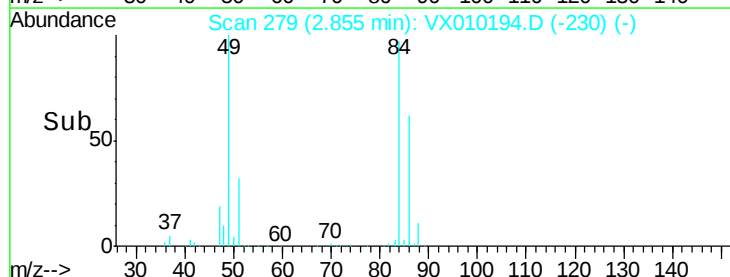
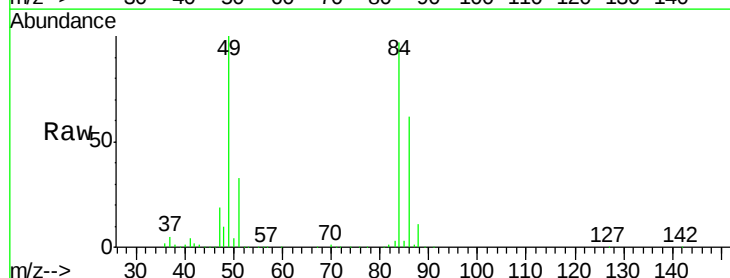
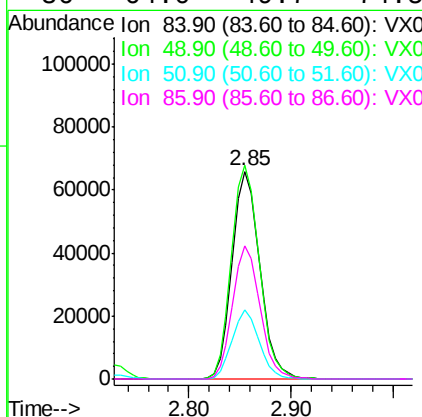
Manual Integrations
APPROVED

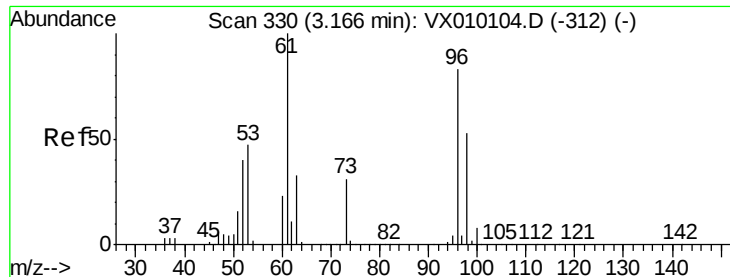
MMDadoda
6/11/2019 11:53:48 AM



#20
Methylene Chloride
Concen: 49.456 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	102.7	115.8	173.6#
51	33.3	34.4	51.6#
86	64.0	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 47.649 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 118033

Ion Ratio Lower Upper

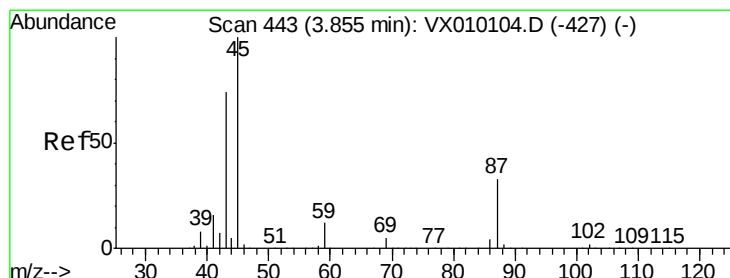
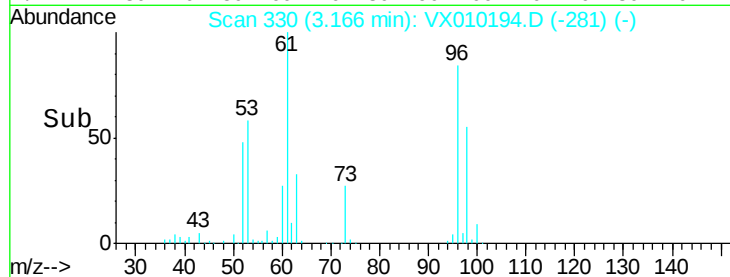
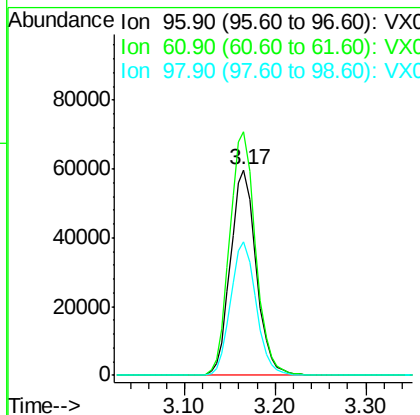
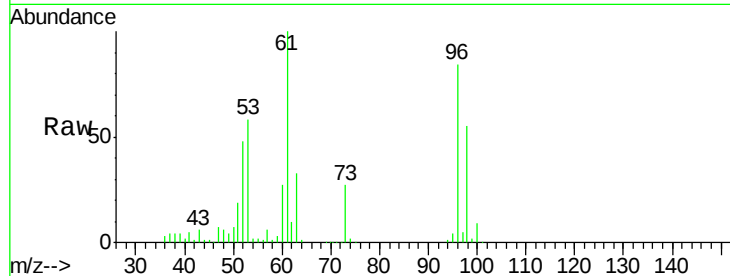
96 100

61 118.4 125.7 188.5#

98 64.9 49.0 73.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.916 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion: 45 Resp: 328914

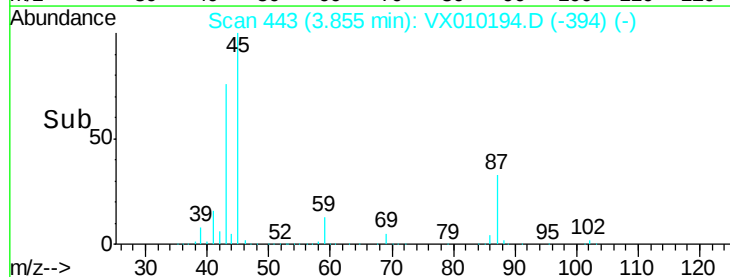
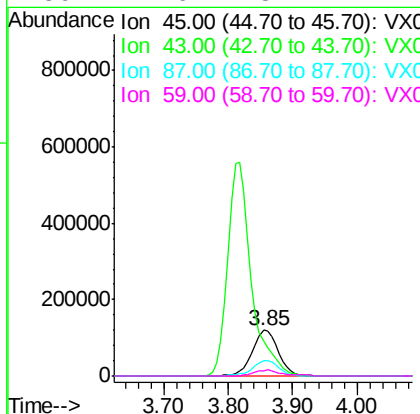
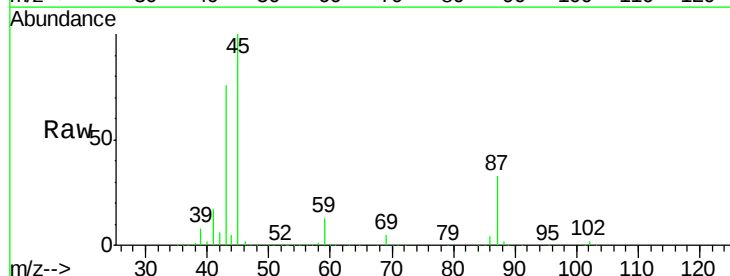
Ion Ratio Lower Upper

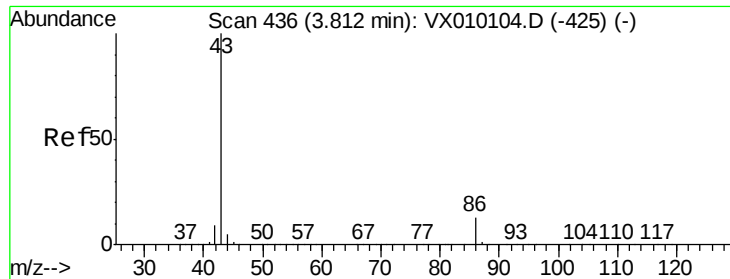
45 100

43 76.3 65.0 97.4

87 32.8 17.3 25.9#

59 12.6 8.1 12.1#





#23

Vinyl Acetate

Concen: 252.393 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1454549

Ion Ratio Lower Upper

43 100

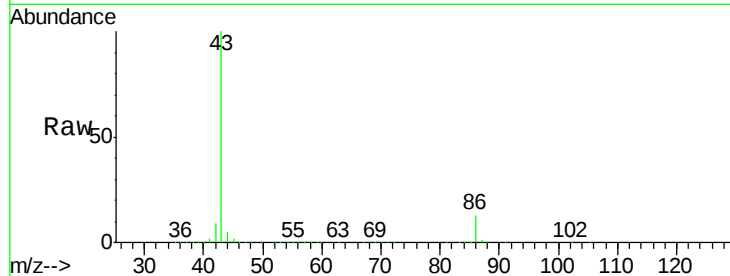
86 13.0 6.5 9.7#

Manual Integrations

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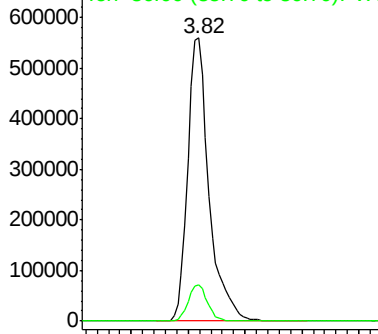
MMDadoda

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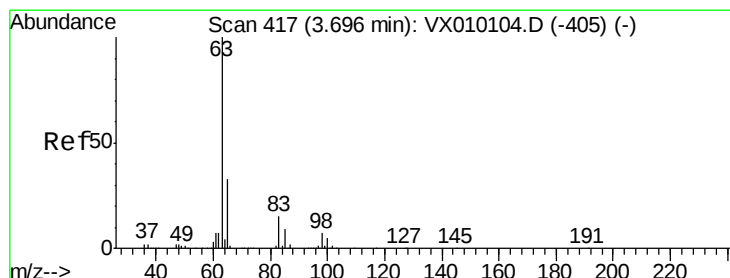
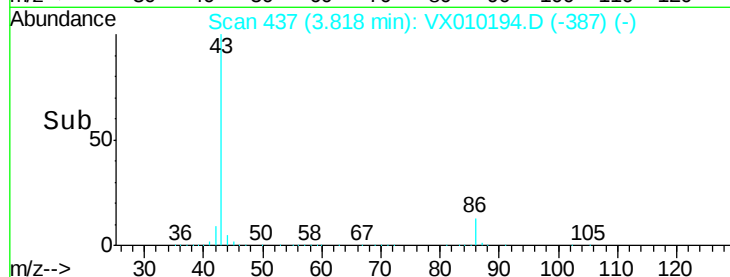


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 48.806 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

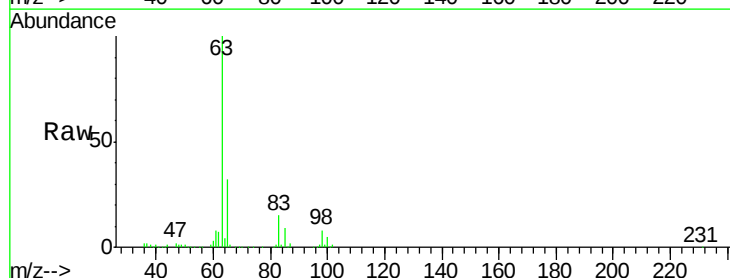
Tgt Ion: 63 Resp: 191428

Ion Ratio Lower Upper

63 100

98 8.4 2.9 8.8

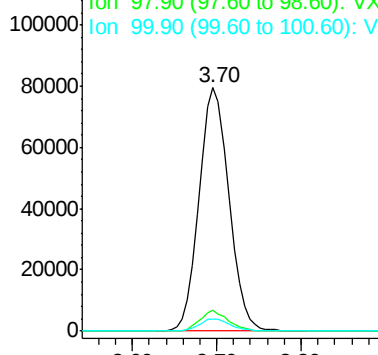
100 5.1 1.8 5.4



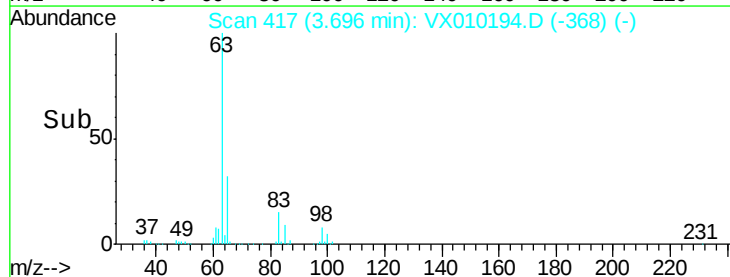
Abundance Ion 62.90 (62.60 to 63.60): VX0

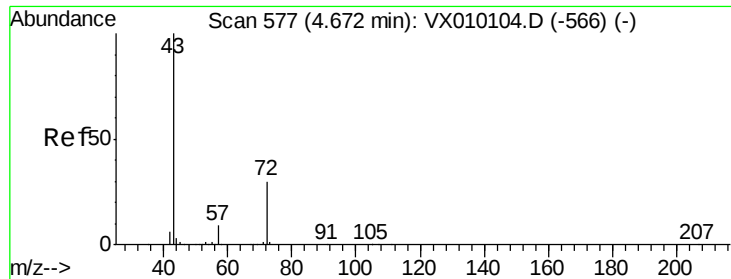
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 250.629 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 426992

Ion Ratio Lower Upper

43 100

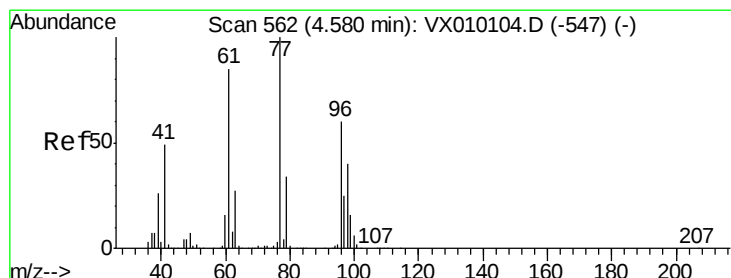
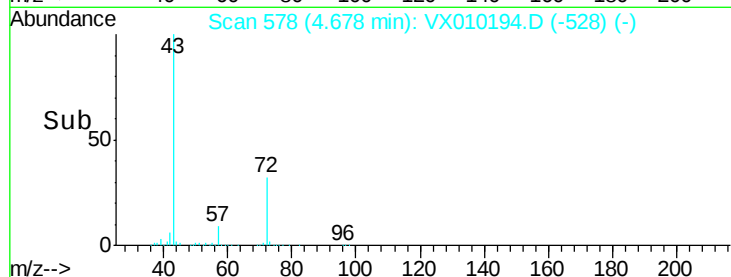
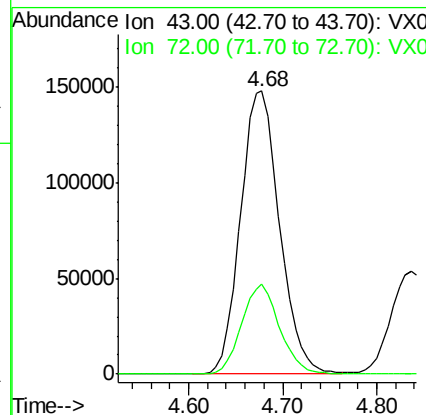
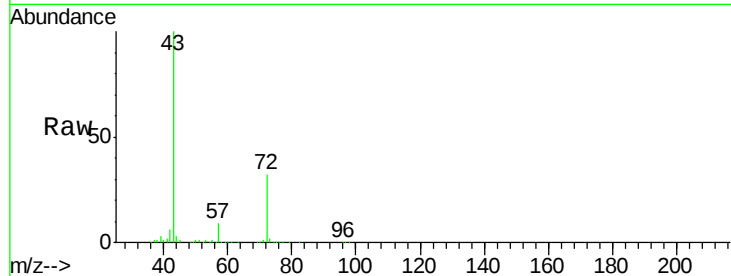
72 31.6 17.5 26.3#

Manual Integrations

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MMDadoda

6/11/2019 11:53:48 AM



#26

2,2-Dichloropropane

Concen: 40.011 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010194.D

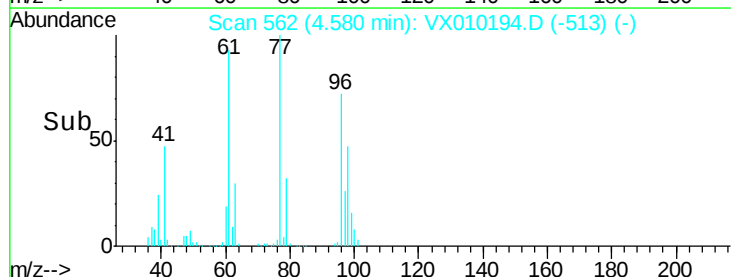
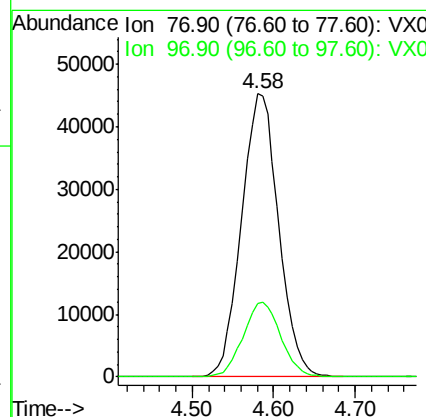
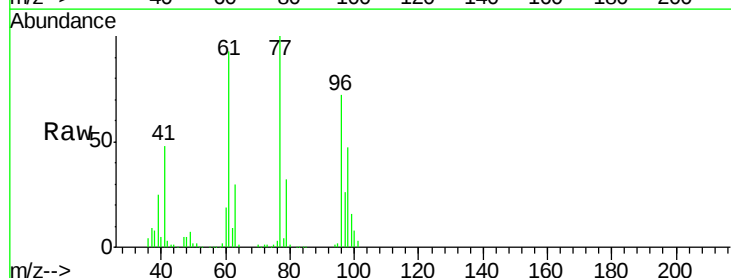
Acq: 10 Jun 2019 22:23

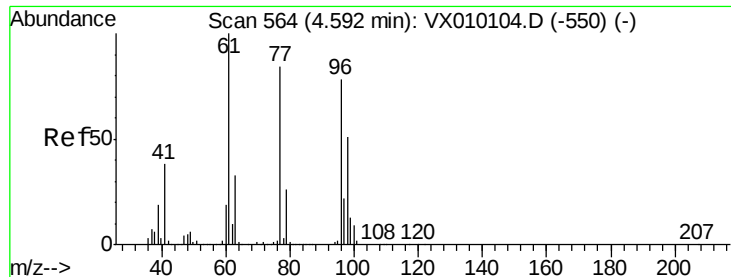
Tgt Ion: 77 Resp: 143169

Ion Ratio Lower Upper

77 100

97 26.8 11.4 34.2





#27

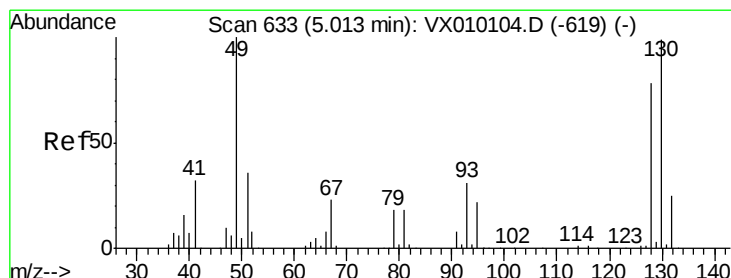
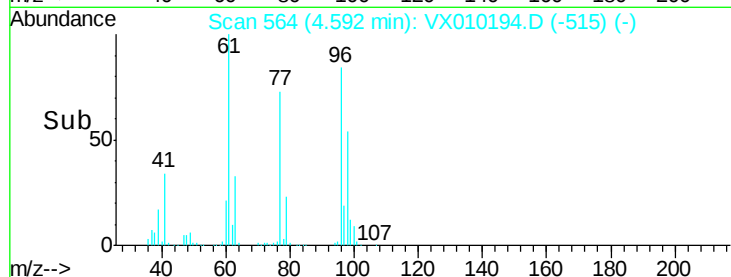
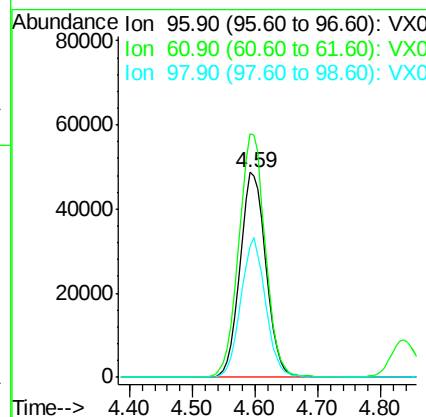
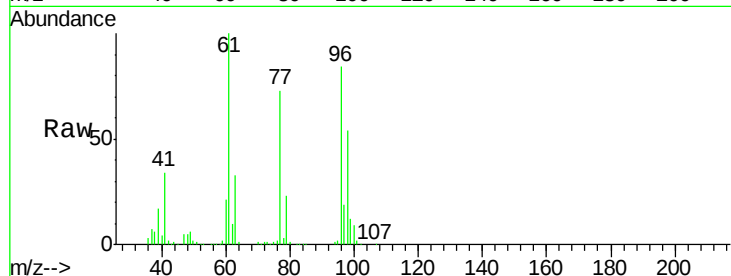
cis-1,2-Dichloroethene
Concen: 50.557 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	122.0	0.0	334.0	
98	65.0	0.0	131.6	

Manual Integrations
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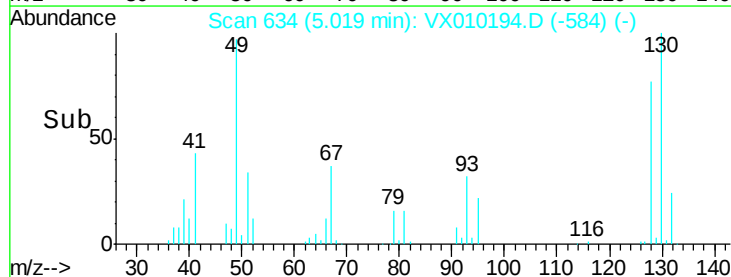
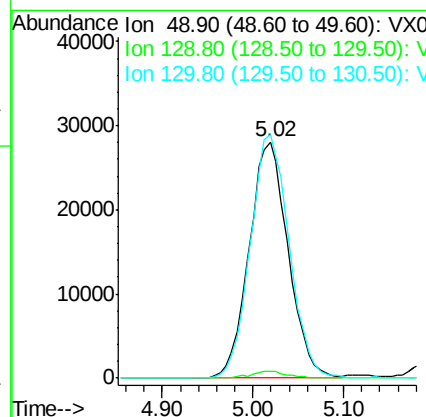
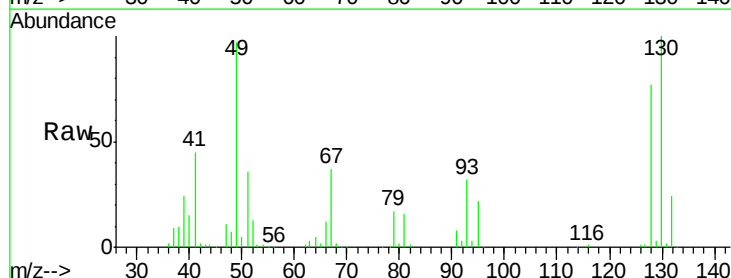
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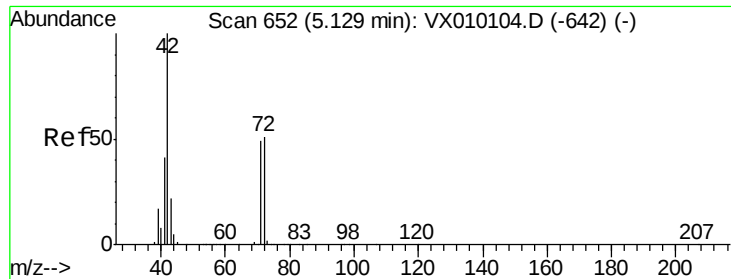


#28

Bromochloromethane
Concen: 47.615 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	3.4	
130	102.7	49.4	74.2#	





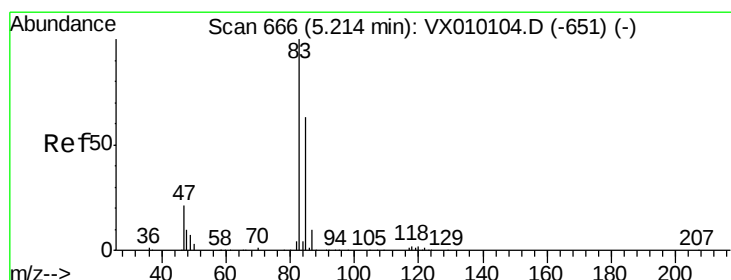
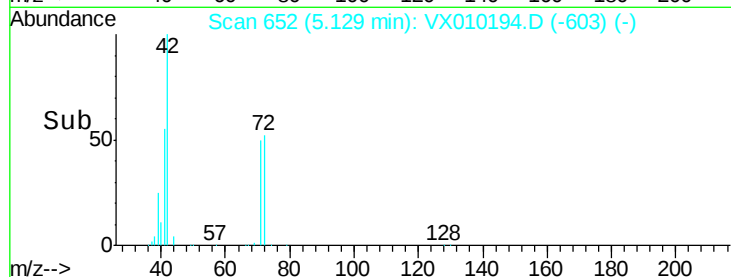
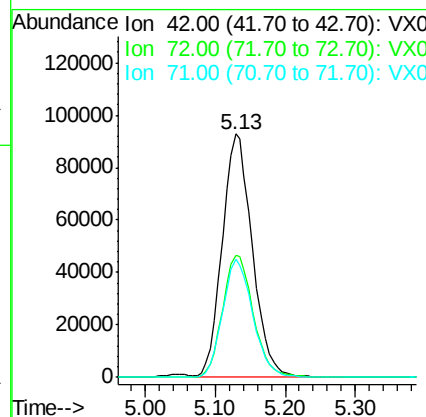
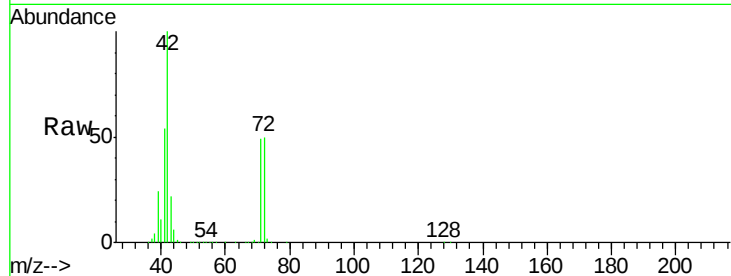
#29
Tetrahydrofuran
Concen: 257.194 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.0	29.2	43.8#
71	49.0	27.6	41.4#

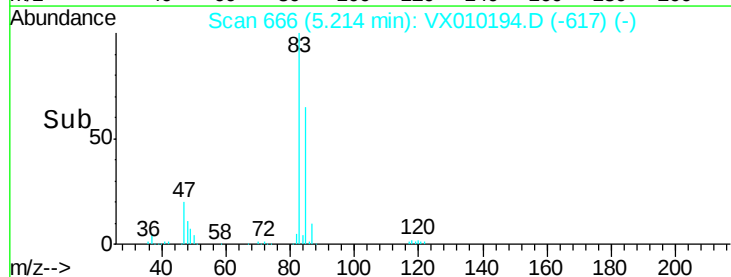
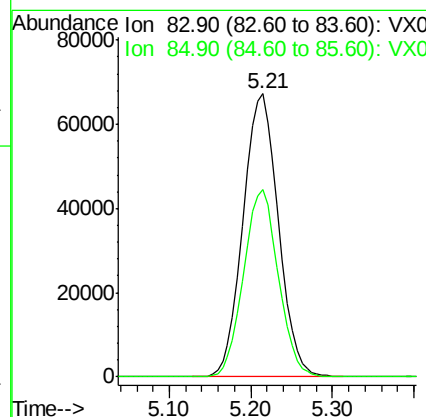
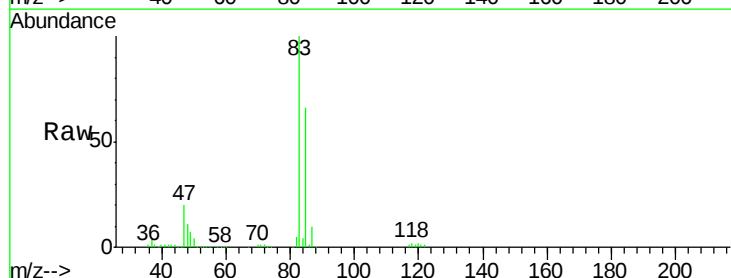
Manual Integrations
APPROVED

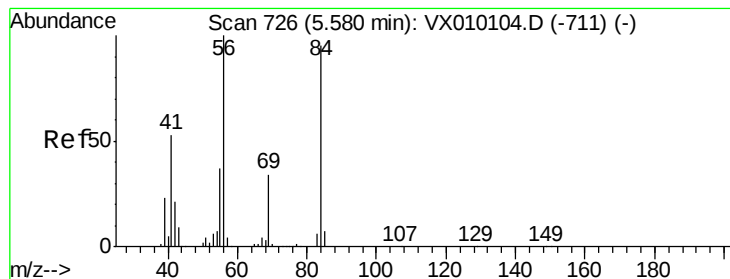
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#30
Chloroform
Concen: 49.684 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.6	78.8





#31

Cyclohexane

Concen: 49.750 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

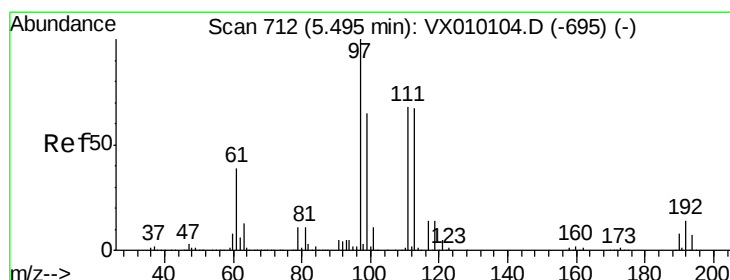
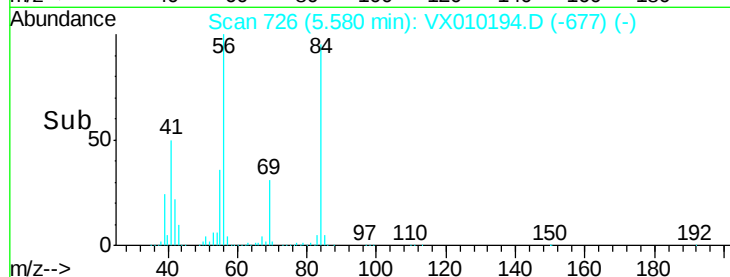
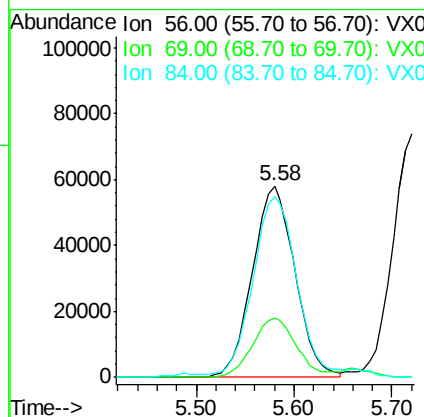
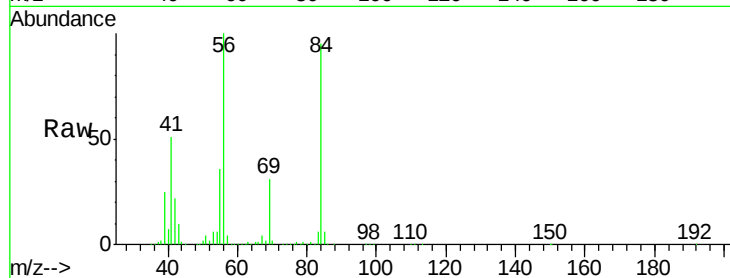
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	176108
Ion	Ratio	Lower	Upper
56	100		
69	31.1	21.6	32.4
84	93.0	56.8	85.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.711 ug/l

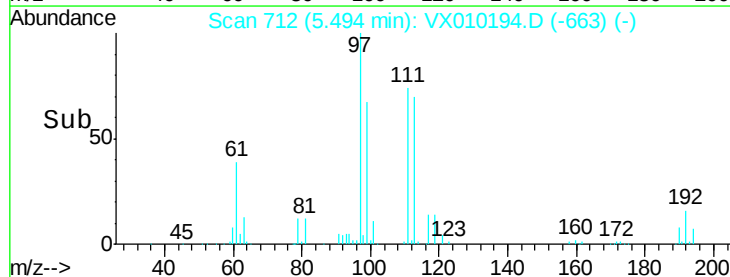
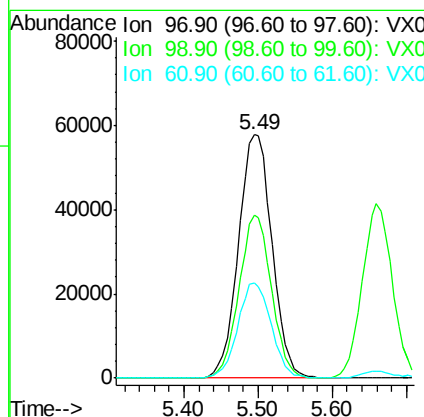
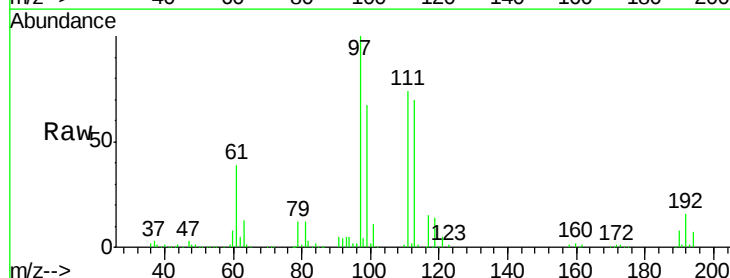
RT: 5.49 min Scan# 712

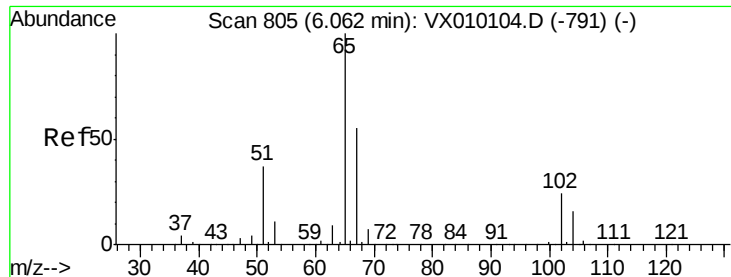
Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion	97	Resp	182705
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.4
61	39.2	38.7	58.1





#33

1,2-Dichloroethane-d4

Concen: 49.317 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tot Ion: 65 Resp: 119965

Ion Ratio Lower Upper

65 100

67 55.7 0.0 108.4

Instrument :

MSVOA_X

ClientSampled :

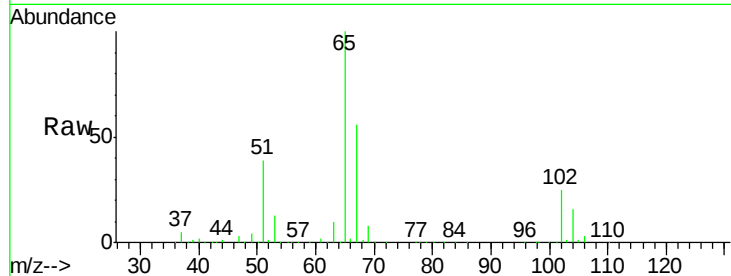
VSTDCCC050

Manual Integrations

APPROVED

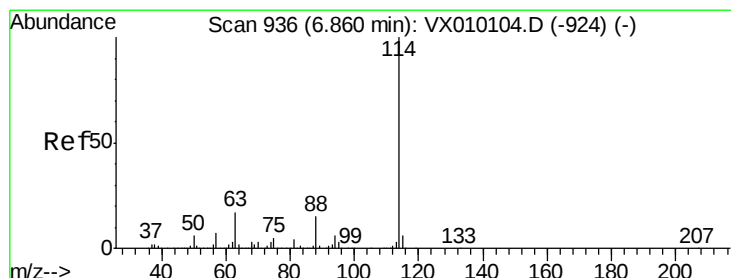
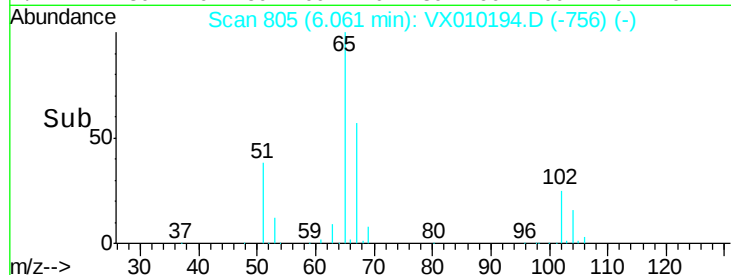
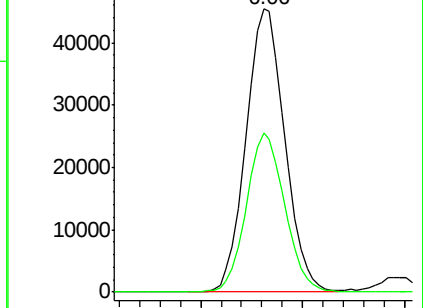
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

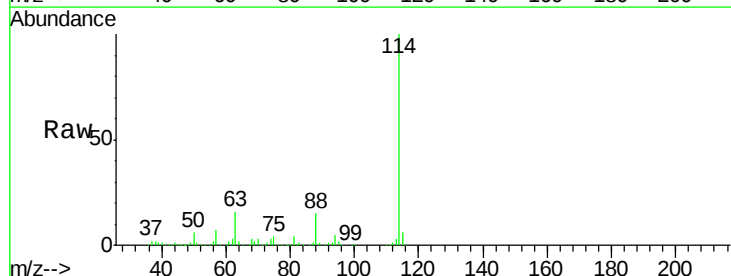
Tgt Ion:114 Resp: 384104

Ion Ratio Lower Upper

114 100

63 16.3 0.0 47.4

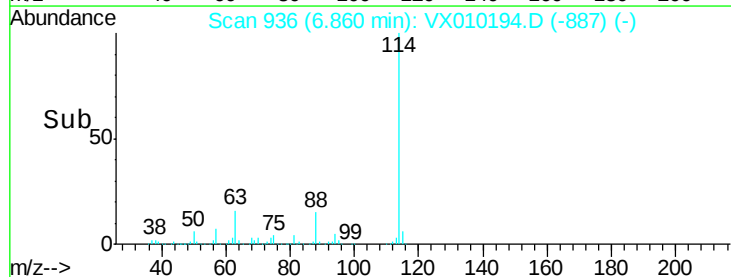
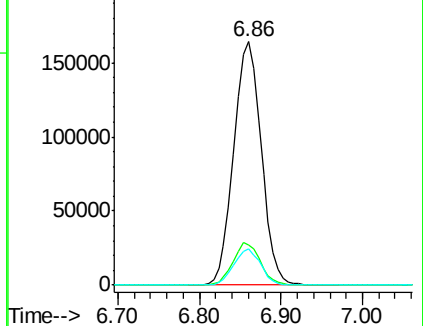
88 14.7 0.0 33.0

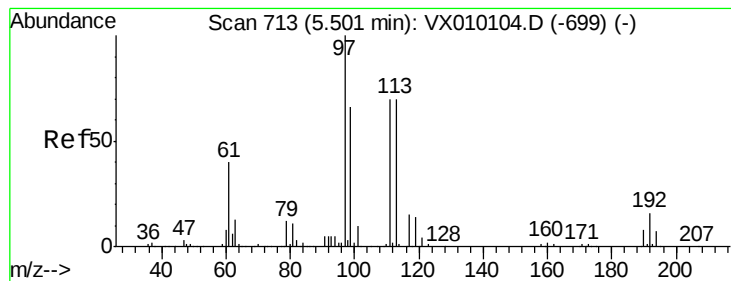


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.895 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

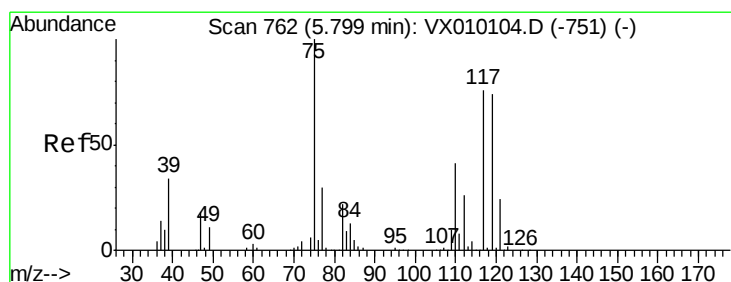
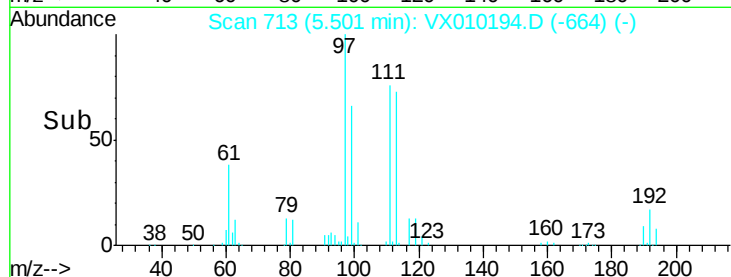
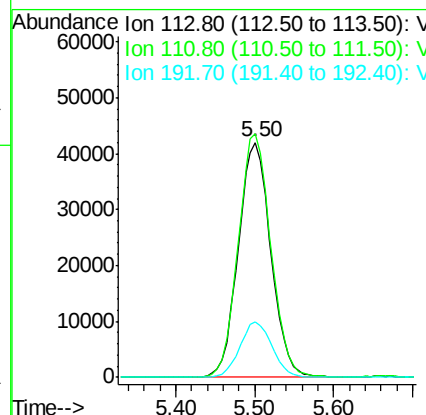
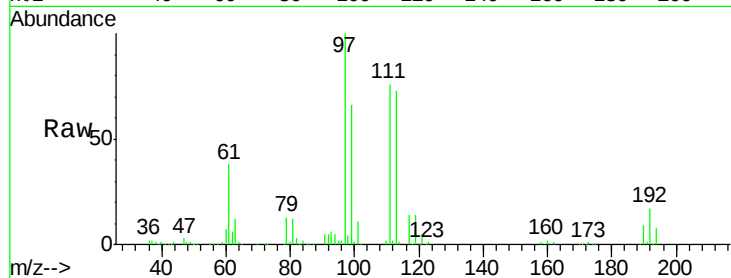
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	120583
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.2	123.2
192	23.5	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.502 ug/l

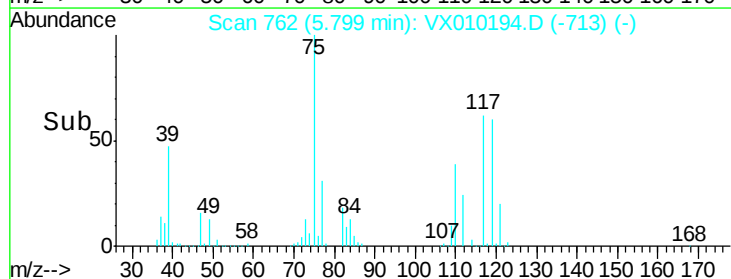
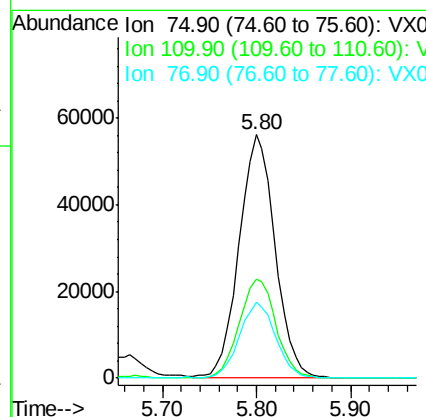
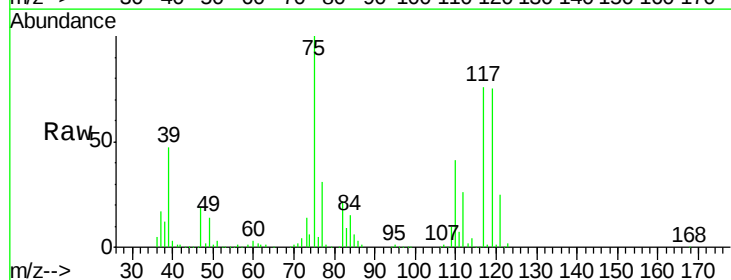
RT: 5.80 min Scan# 762

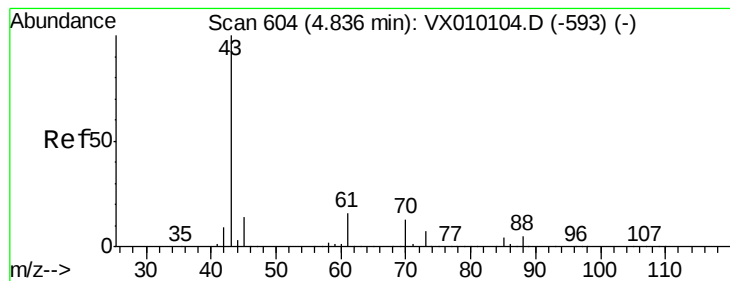
Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion:	75	Resp:	148857
Ion Ratio	Lower	Upper	
75	100		
110	42.0	16.7	50.1
77	31.5	25.0	37.4





#37

Ethyl Acetate

Concen: 49.382 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

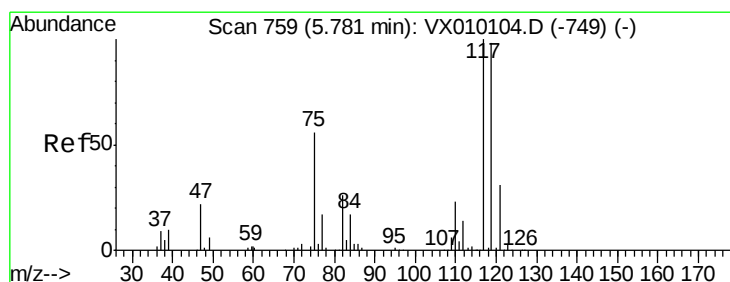
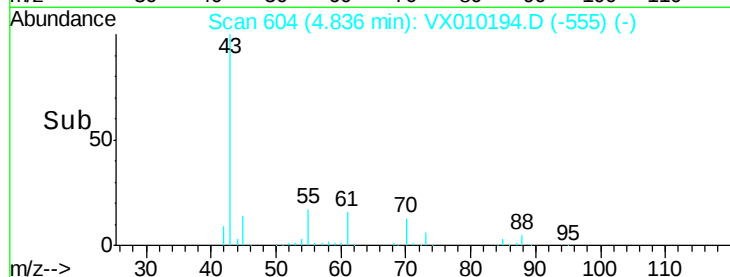
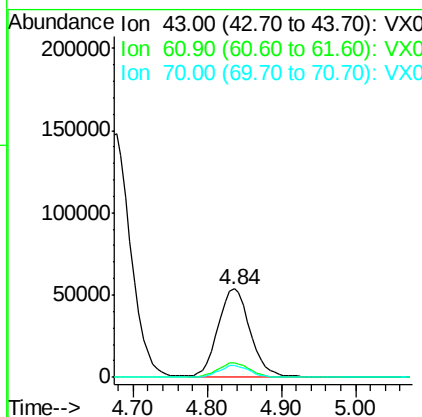
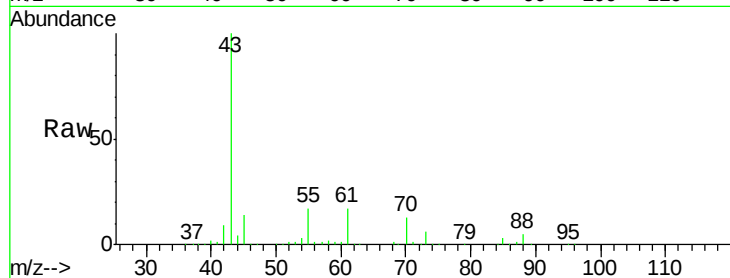
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	161012
Ion	Ratio	Lower	Upper
43	100		
61	15.9	10.2	15.2#
70	13.1	7.4	11.2#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 47.010 ug/l

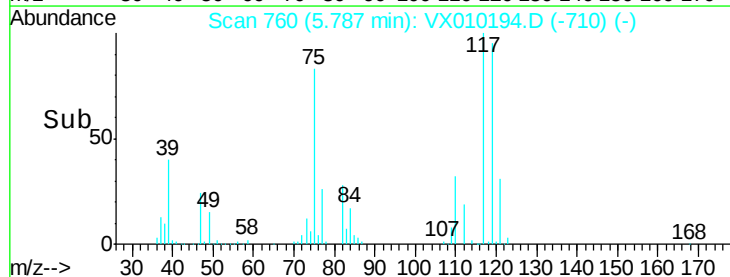
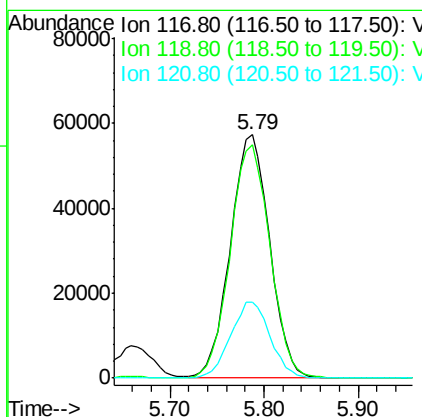
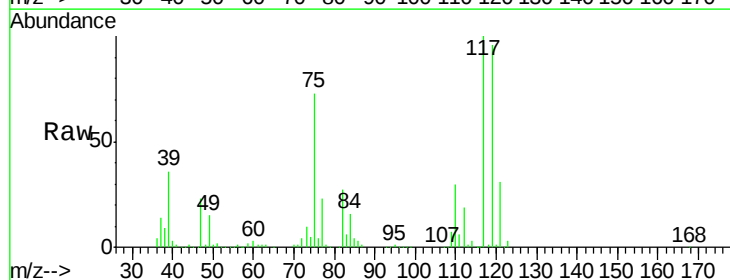
RT: 5.79 min Scan# 760

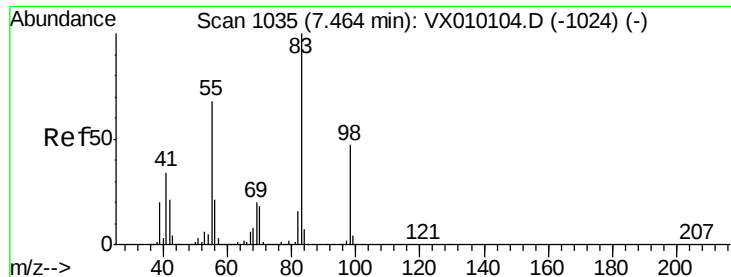
Delta R.T. 0.01 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion:	117	Resp:	166744
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.3	115.9
121	31.1	25.4	38.0





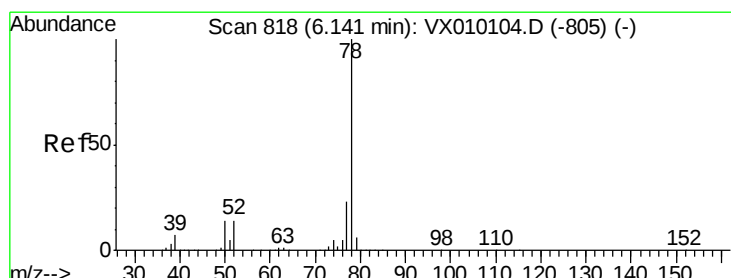
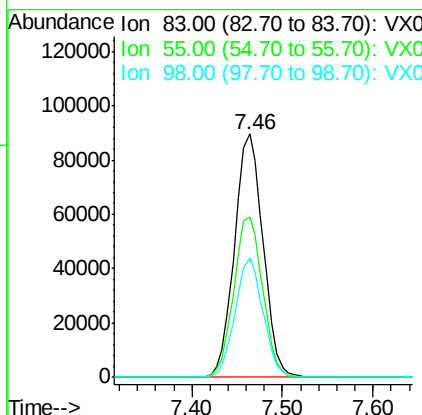
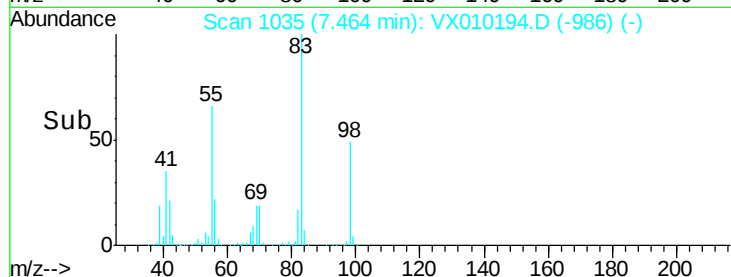
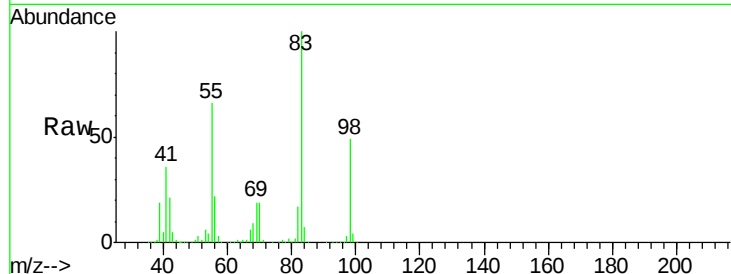
#39
Methvlcvclohexane
Concen: 45.795 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	195412		
55	65.6	69.9	104.9#	
98	49.0	35.1	52.7	

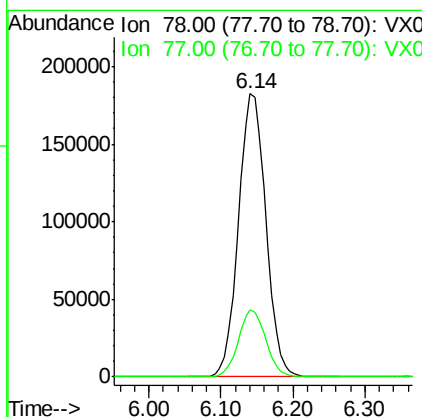
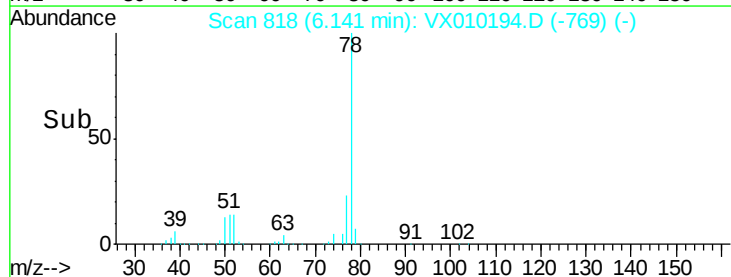
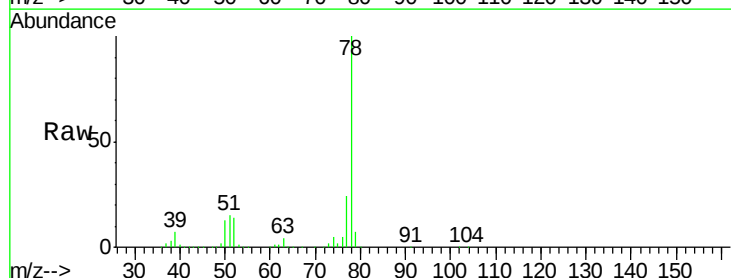
Manual Integrations
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#40
Benzene
Concen: 49.658 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	481190		
77	23.5	19.2	28.8	





#41

Methacrylonitrile

Concen: 49.329 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 87003

Ion Ratio Lower Upper

41 100

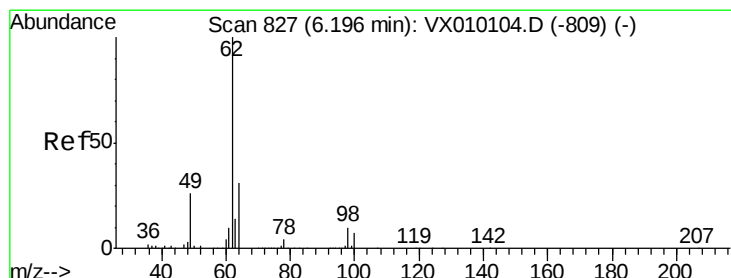
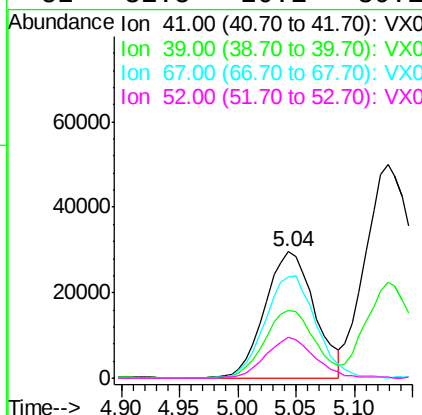
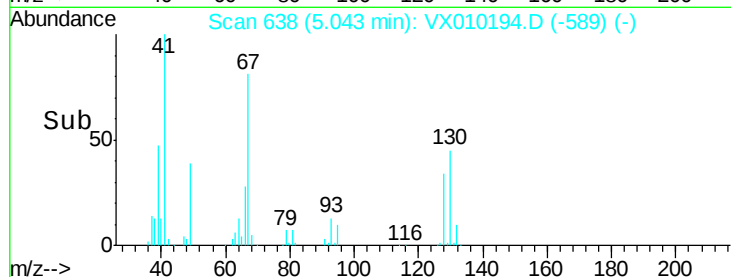
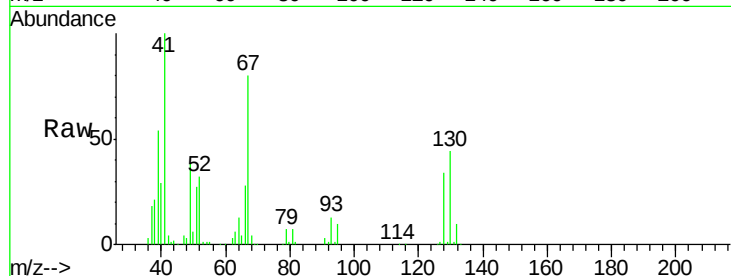
39 54.2 42.2 63.4

67 84.2 48.9 73.3#

52 31.5 20.1 30.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.071 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX010194.D

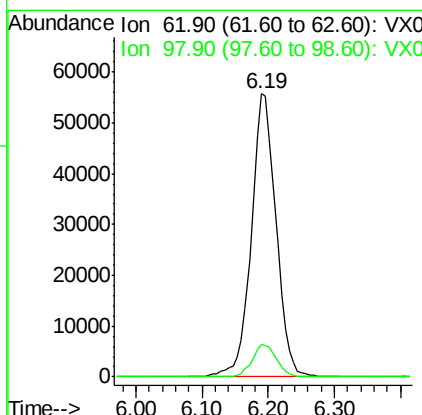
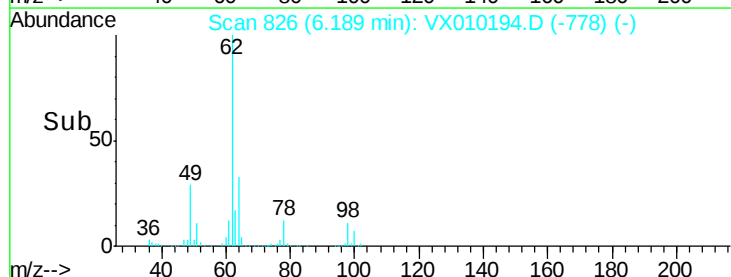
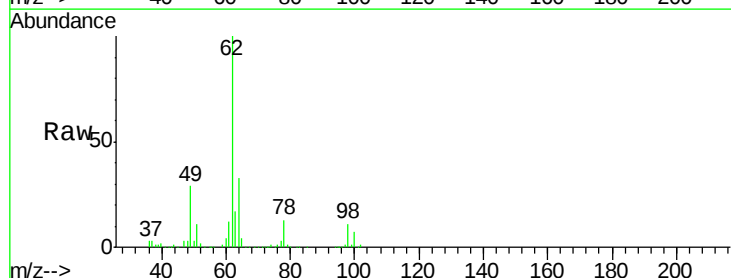
Acq: 10 Jun 2019 22:23

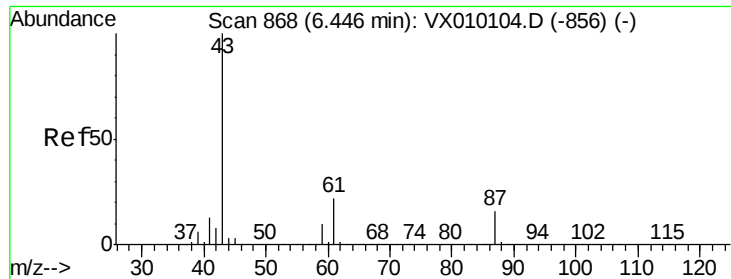
Tgt Ion: 62 Resp: 145616

Ion Ratio Lower Upper

62 100

98 11.3 0.0 17.2





#43

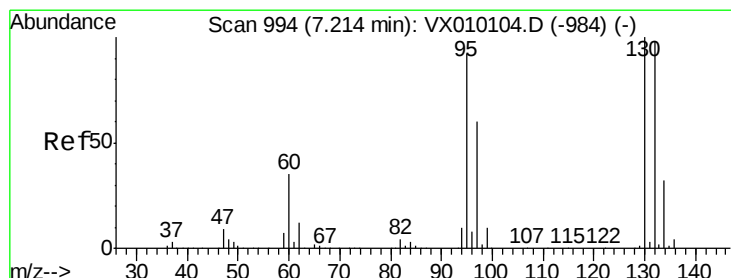
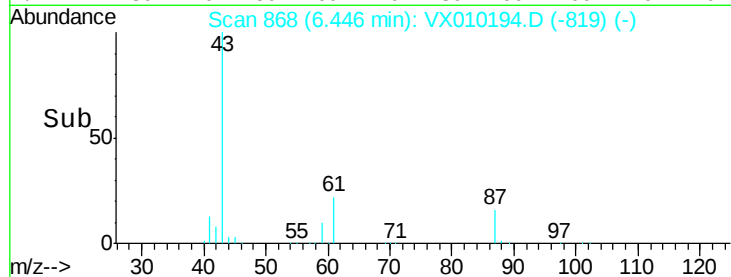
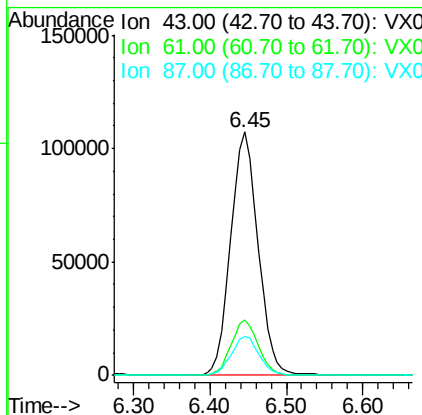
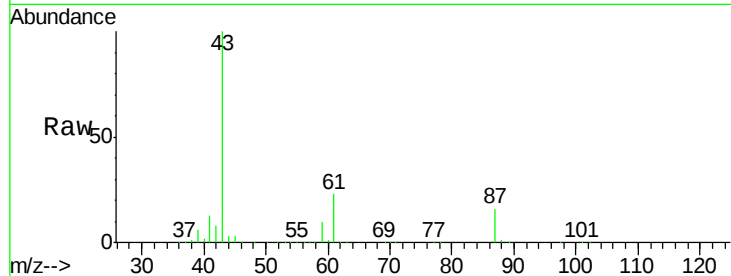
Isopropyl Acetate
 Concen: 48.669 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.6	14.6	21.8#
87	16.2	8.7	13.1#

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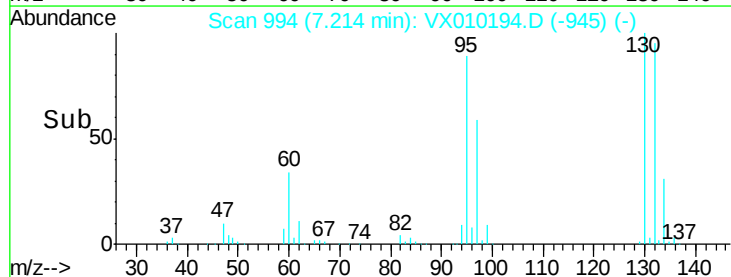
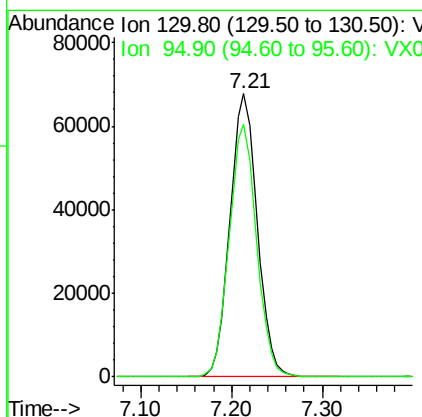
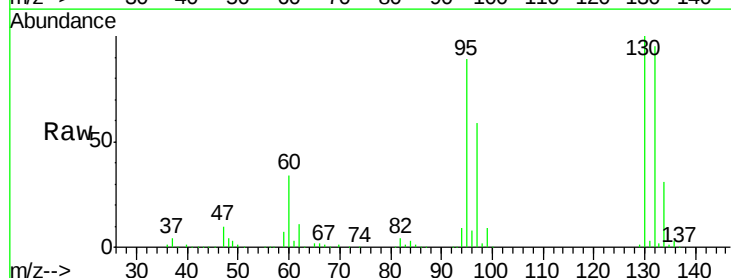
MMDadoda
 6/11/2019 11:53:48 AM

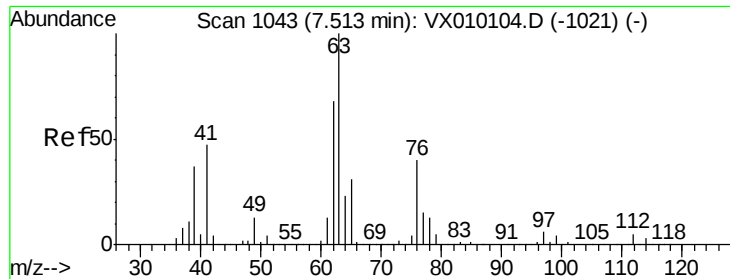


#44

Trichloroethene
 Concen: 48.576 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	207.4





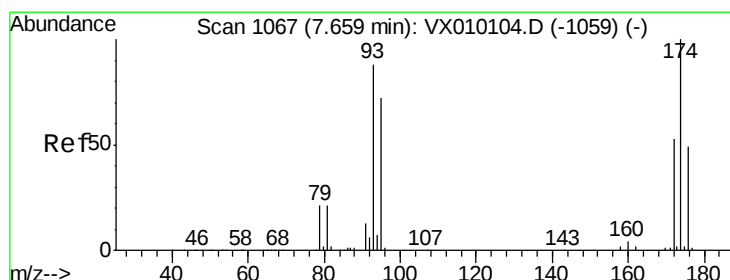
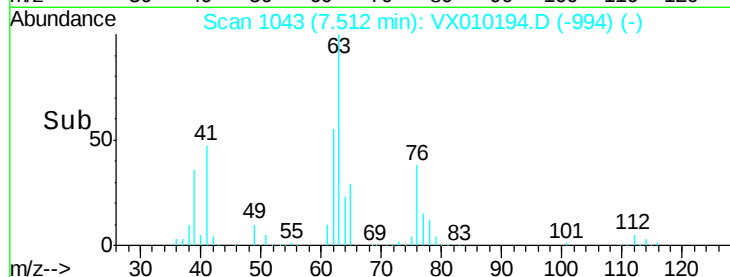
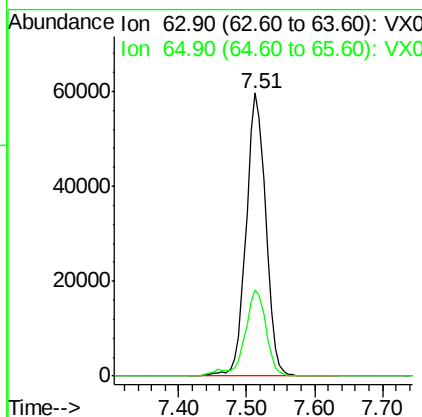
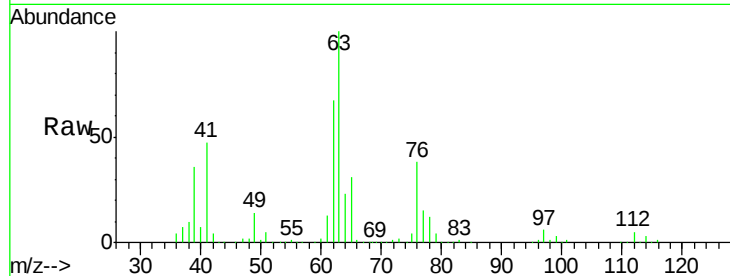
#45
 1,2-Dichloropropane
 Concen: 49.581 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 120251
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.7 38.5

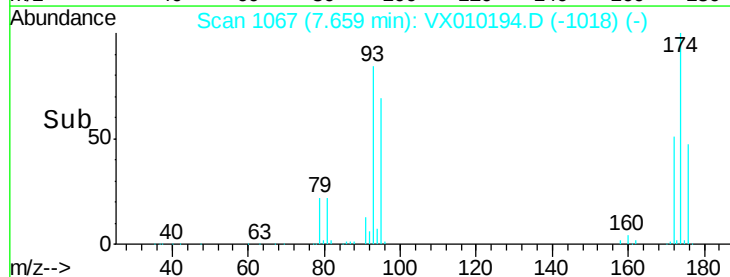
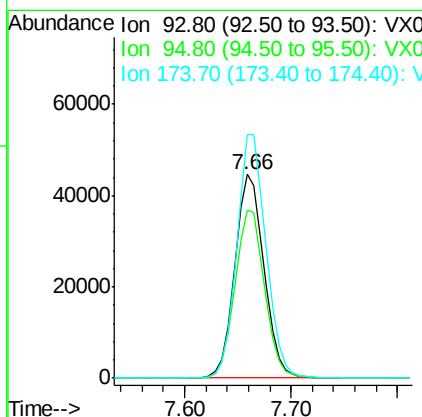
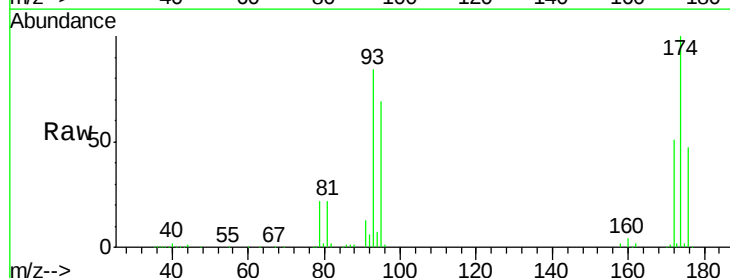
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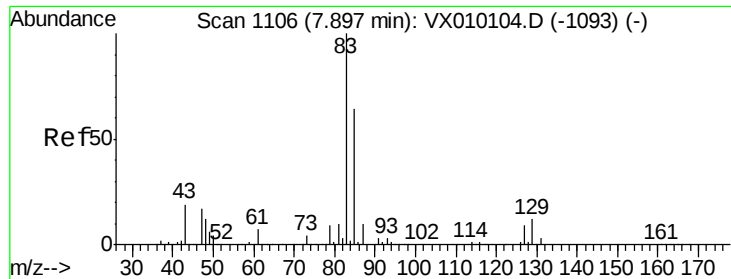
MMDadoda
 6/11/2019 11:53:48 AM



#46
 Dibromomethane
 Concen: 47.317 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Tgt Ion: 93 Resp: 85975
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.8 100.2
 174 120.3 81.9 122.9





#47

Bromodichloromethane

Concen: 47.724 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

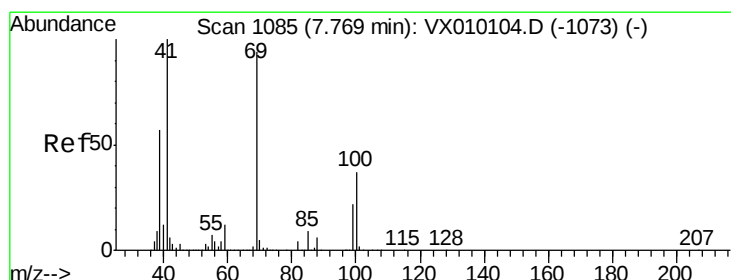
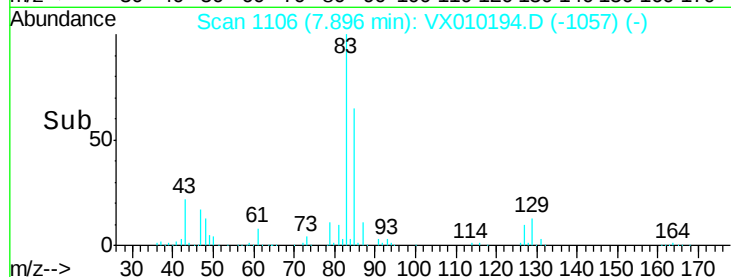
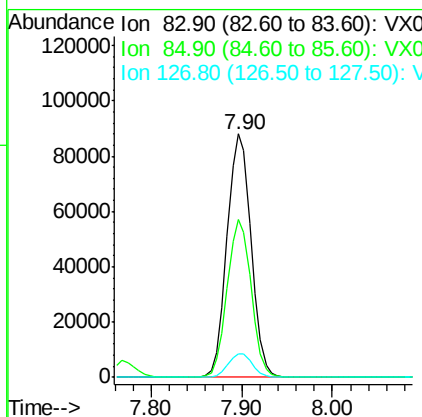
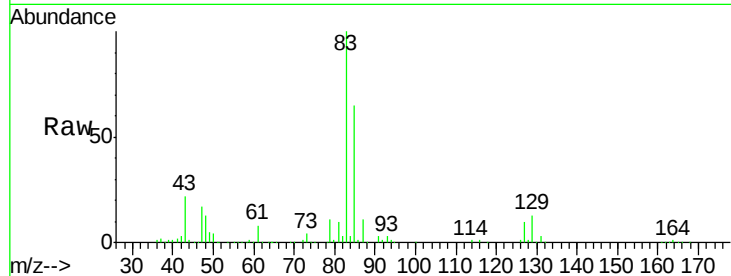
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	162036
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.2
127	9.7	6.4	9.6#

Manual Integrations
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MMDadoda
6/11/2019 11:53:48 AM



#48

Methyl methacrylate

Concen: 48.299 ug/l

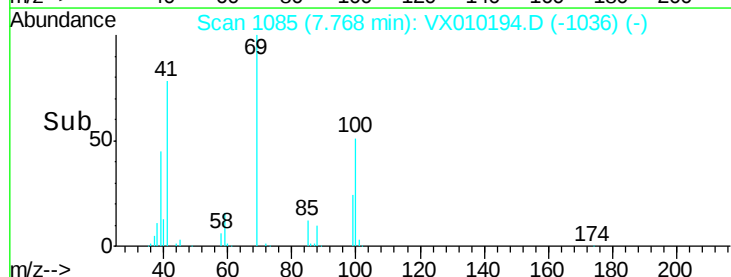
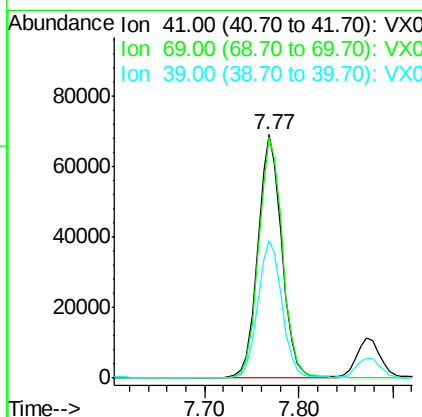
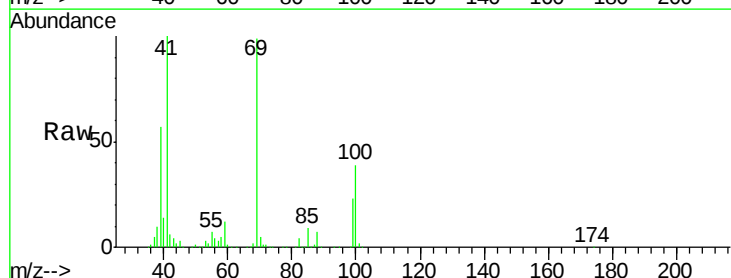
RT: 7.77 min Scan# 1085

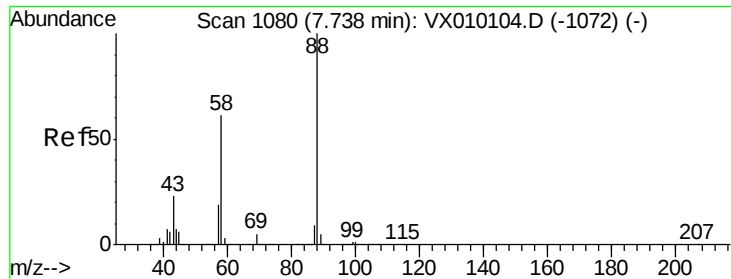
Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion:	41	Resp:	123140
Ion	Ratio	Lower	Upper
41	100		
69	99.0	56.4	84.6#
39	57.1	40.6	60.8





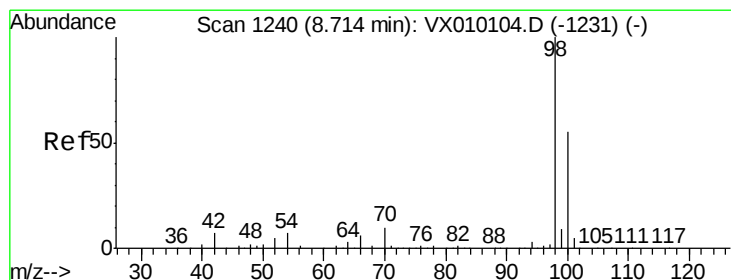
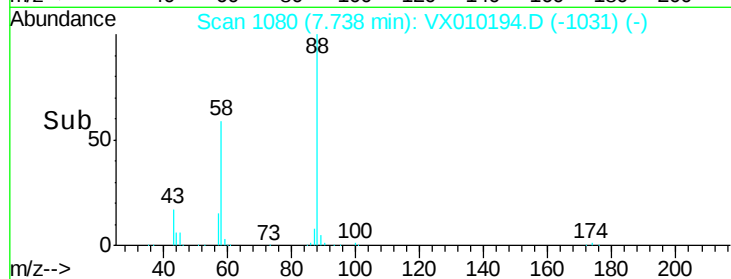
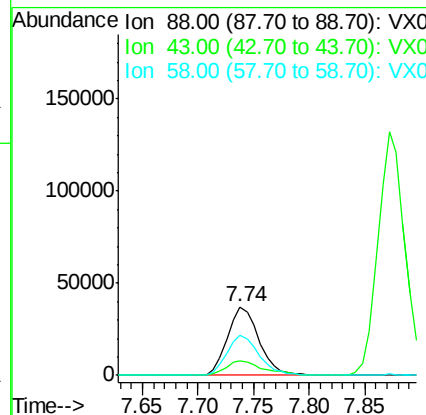
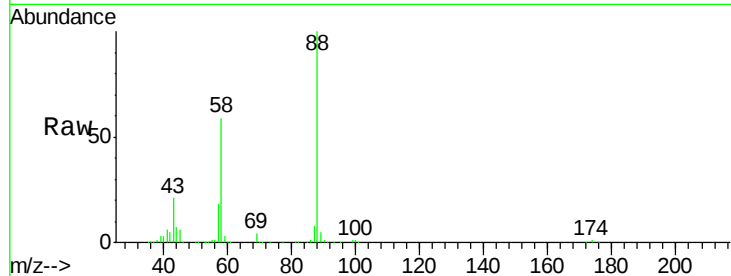
#49
1,4-Dioxane
Concen: 999.208 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.6	30.2	45.4#
58	60.2	64.0	96.0#

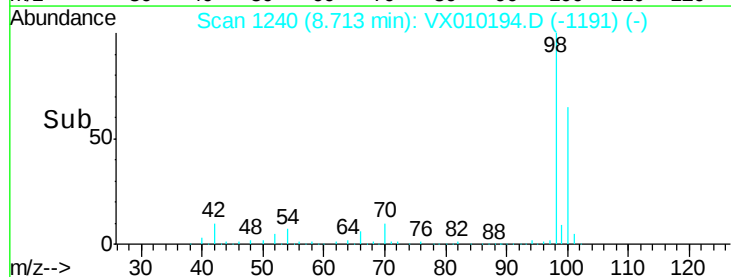
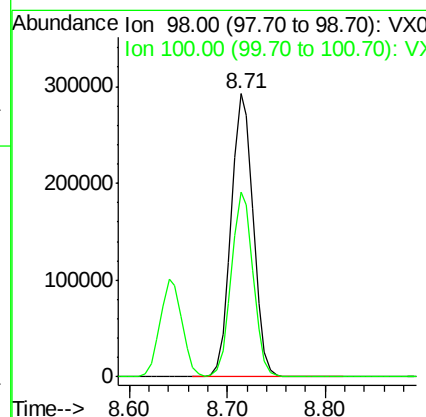
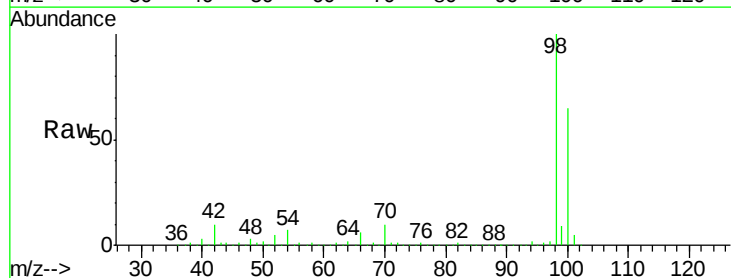
Manual Integrations
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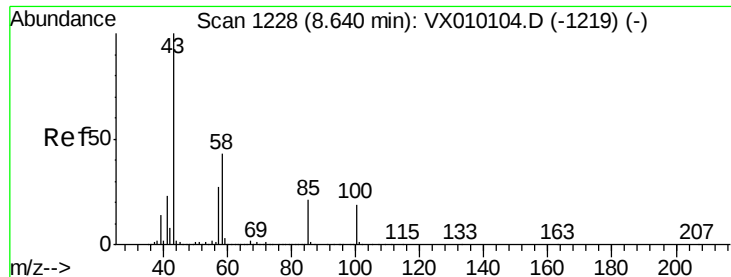
MMDadoda
6/11/2019 11:53:48 AM



#50
Toluene-d8
Concen: 51.621 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 260.668 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 848935

Ion Ratio Lower Upper

43 100

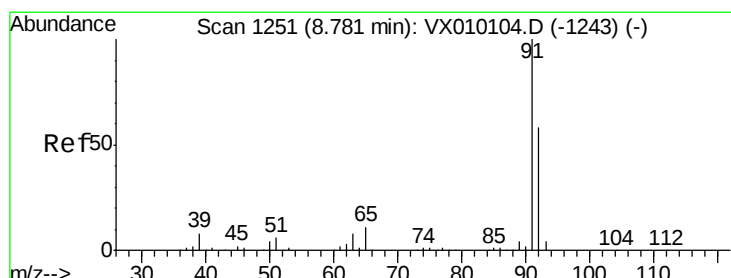
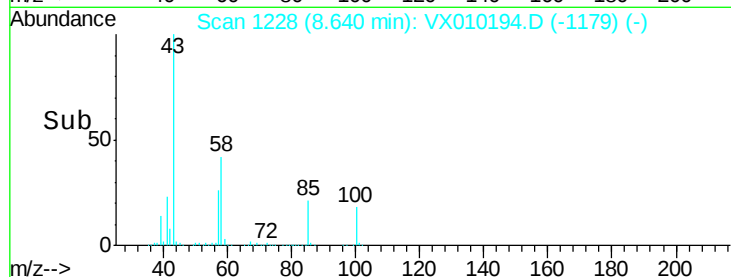
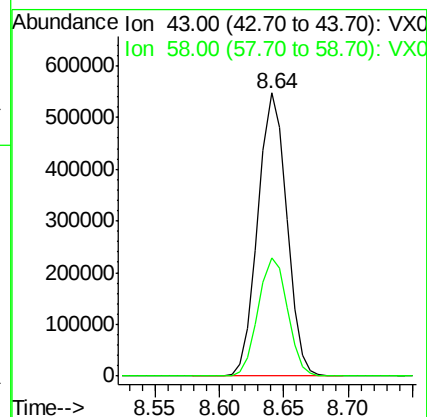
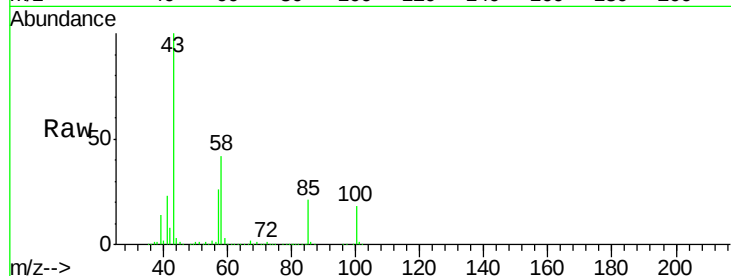
58 42.3 28.8 43.2

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6/11/2019 11:53:48 AM



#52

Toluene

Concen: 48.575 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010194.D

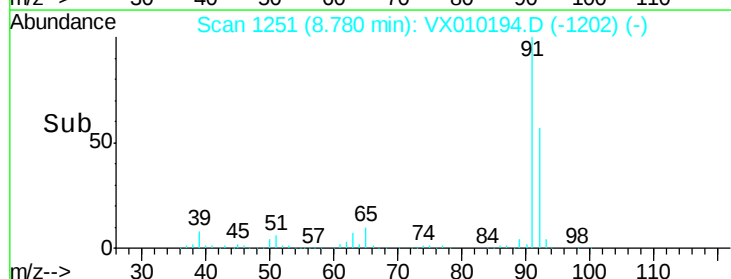
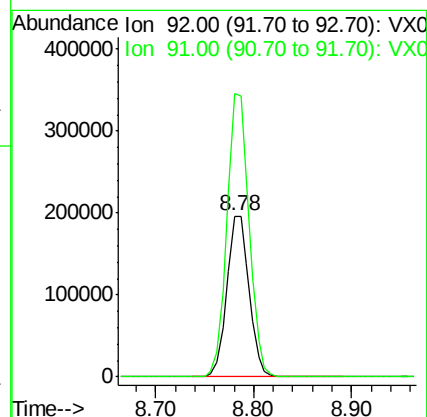
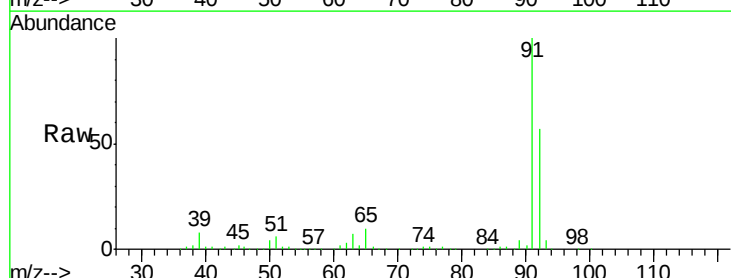
Acq: 10 Jun 2019 22:23

Tgt Ion: 92 Resp: 309409

Ion Ratio Lower Upper

92 100

91 175.6 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 45.768 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 179740

Ion Ratio Lower Upper

75 100

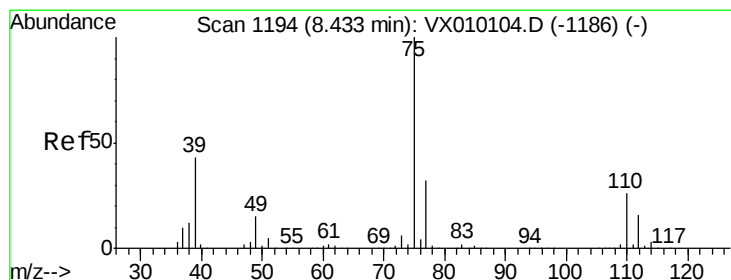
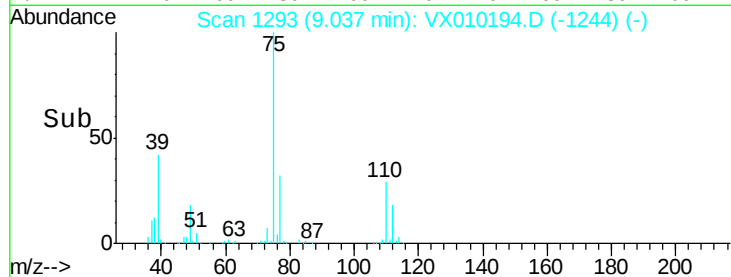
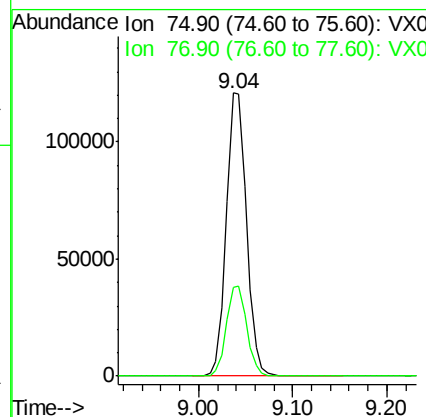
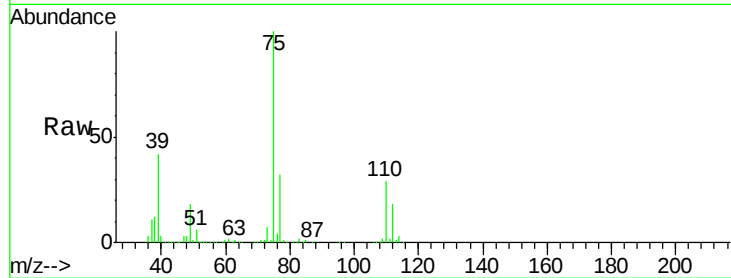
77 31.6 24.6 36.8

Manual Integrations

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6/11/2019 11:53:48 AM



#54

cis-1,3-Dichloropropene

Concen: 46.734 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

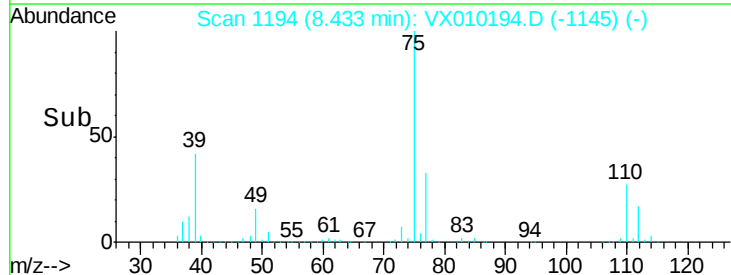
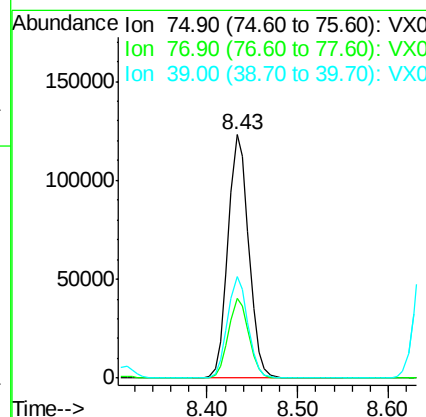
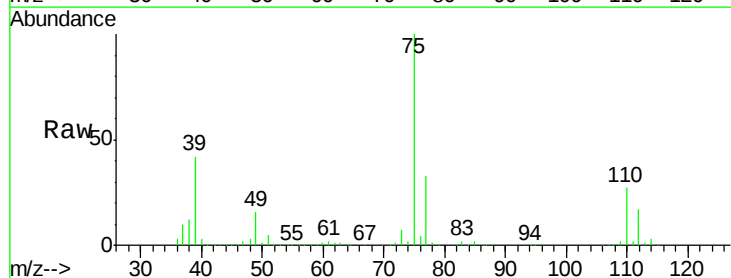
Tgt Ion: 75 Resp: 196755

Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2

39 41.6 43.4 65.0#





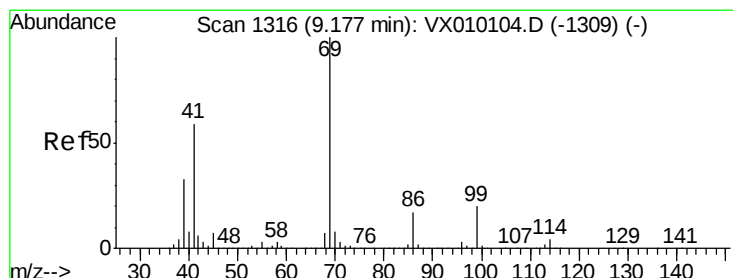
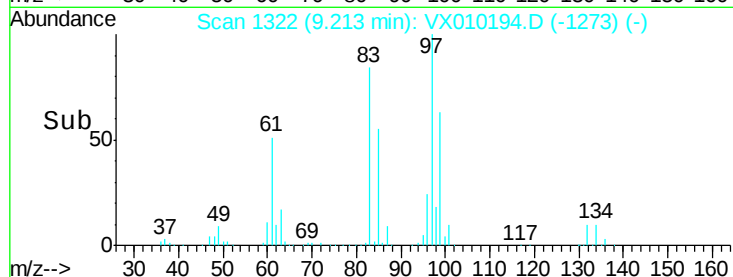
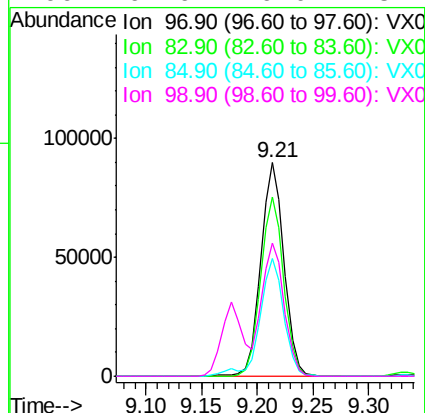
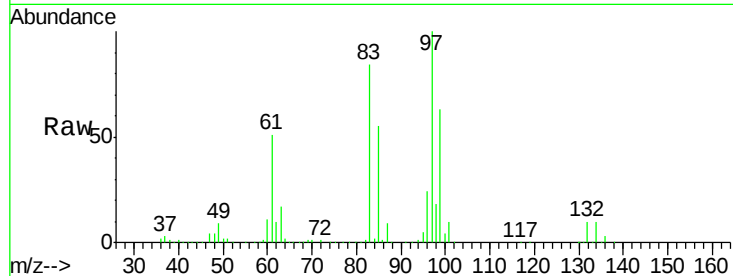
#55
 1,1,2-Trichloroethane
 Concen: 50.087 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	130661
Ion Ratio	Lower	Upper	
97	100		
83	84.1	69.8	104.8
85	54.9	45.3	67.9
99	62.6	49.0	73.4

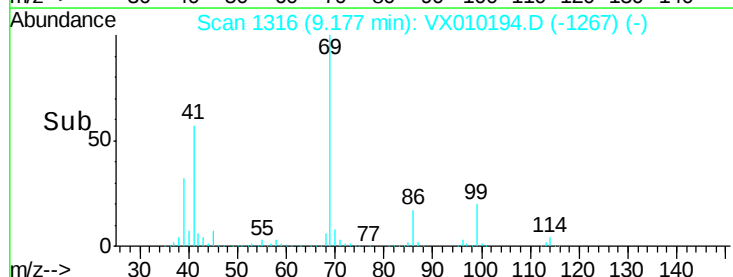
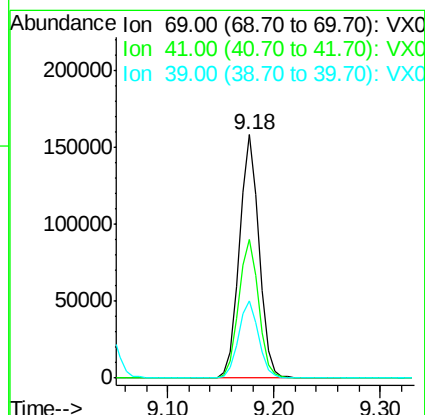
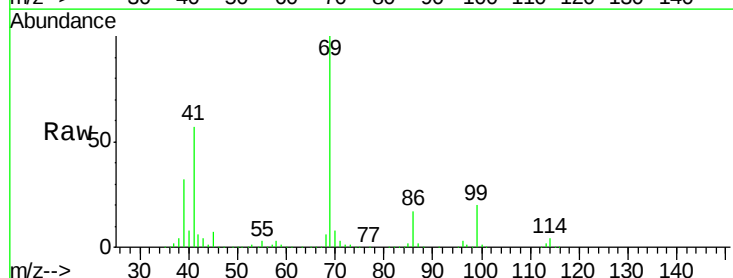
Manual Integrations
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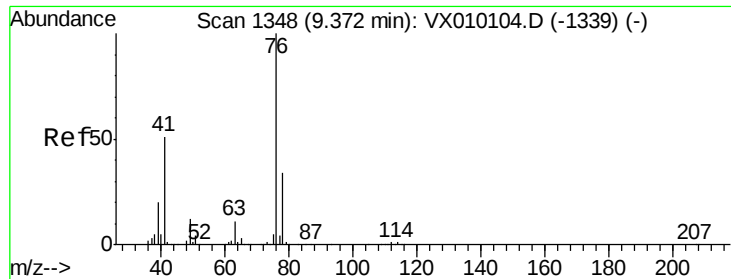
MMDadoda
 6/11/2019 11:53:48 AM



#56
 Ethyl methacrylate
 Concen: 49.986 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Tgt Ion:	69	Resp:	205981
Ion Ratio	Lower	Upper	
69	100		
41	57.9	62.7	94.1#
39	32.4	29.5	44.3





#57

1,3-Dichloropropane

Concen: 48.780 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 200336

Ion Ratio Lower Upper

76 100

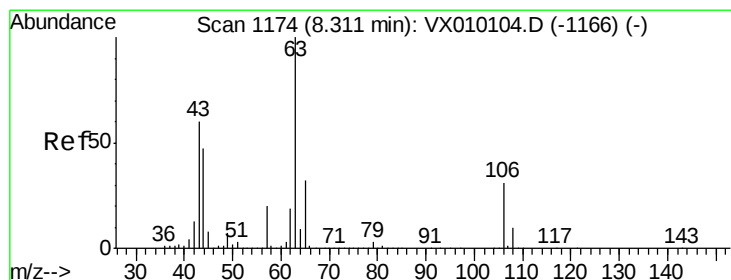
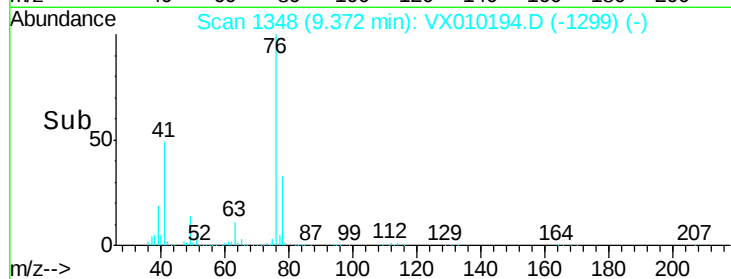
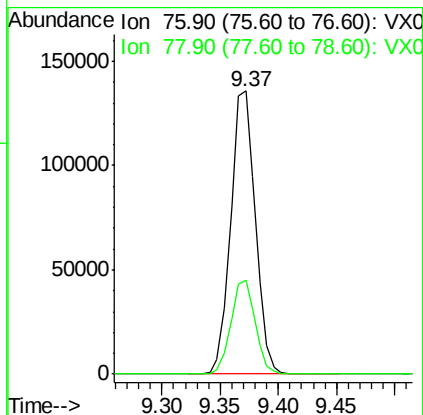
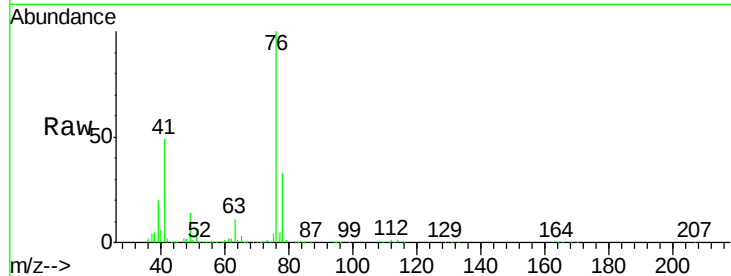
78 32.8 25.4 38.0

Manual Integrations

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MMDadoda

6/11/2019 11:53:48 AM



#58

2-Chloroethyl Vinyl ether

Concen: 243.135 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010194.D

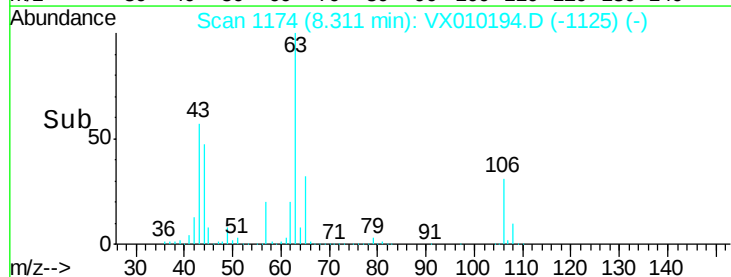
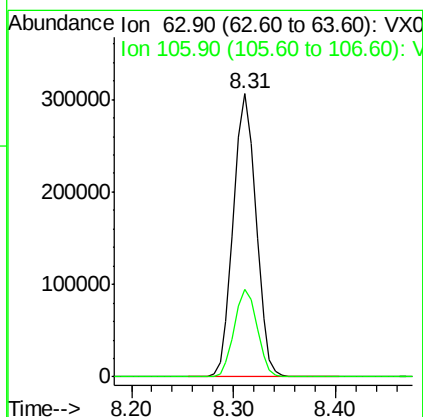
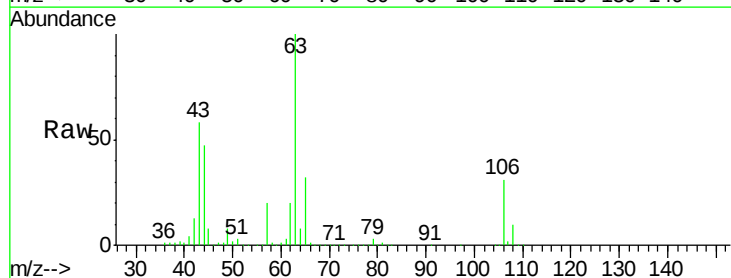
Acq: 10 Jun 2019 22:23

Tgt Ion: 63 Resp: 472322

Ion Ratio Lower Upper

63 100

106 31.1 19.4 29.2#





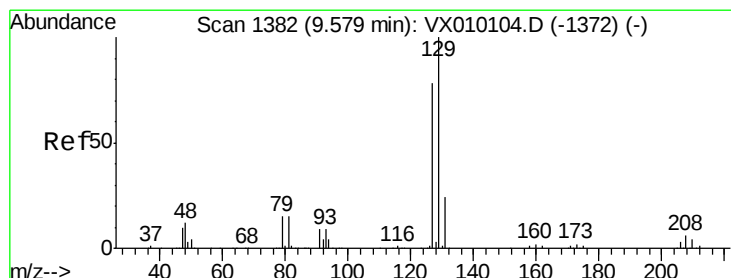
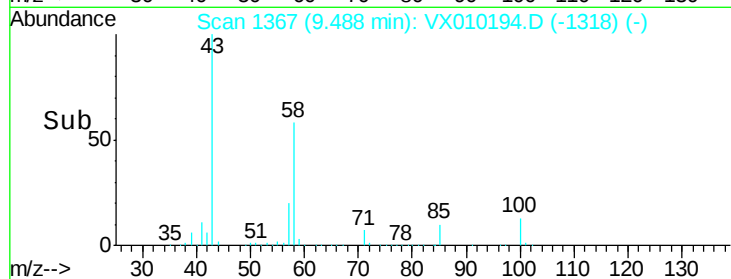
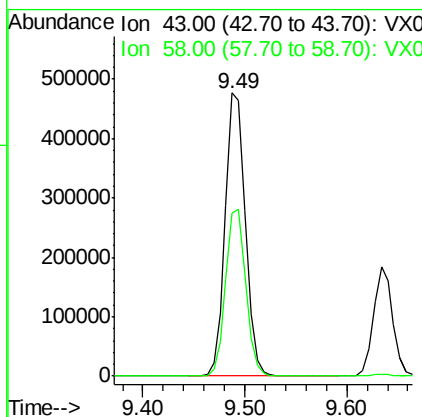
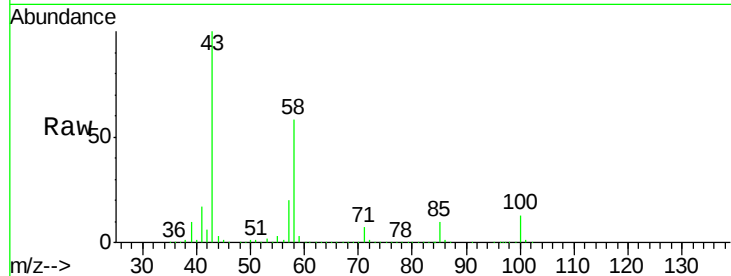
#59
2-Hexanone
Concen: 251.980 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 654306
Ion Ratio Lower Upper
43 100
58 59.0 25.1 75.3

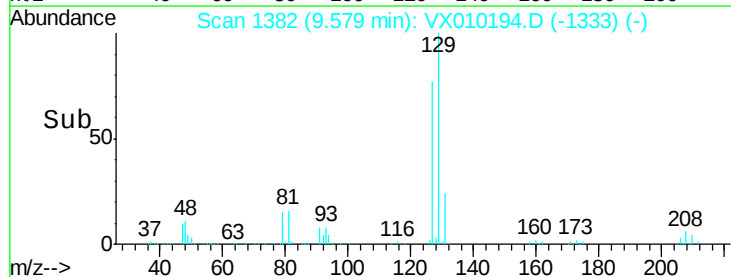
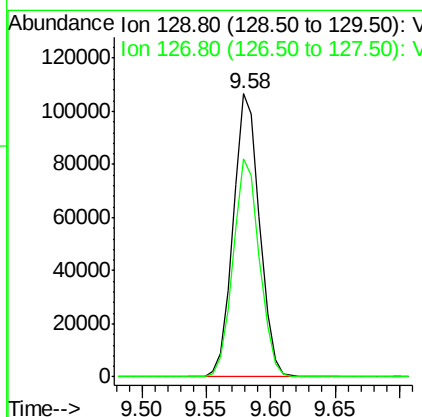
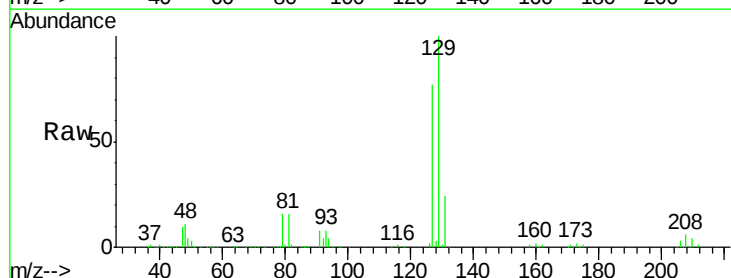
Manual Integrations
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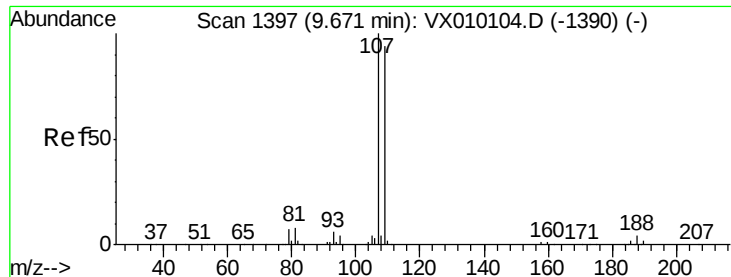
MMDadoda
6/11/2019 11:53:48 AM



#60
Dibromochloromethane
Concen: 49.281 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion: 129 Resp: 152062
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.410 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 140650

Ion Ratio Lower Upper

107 100

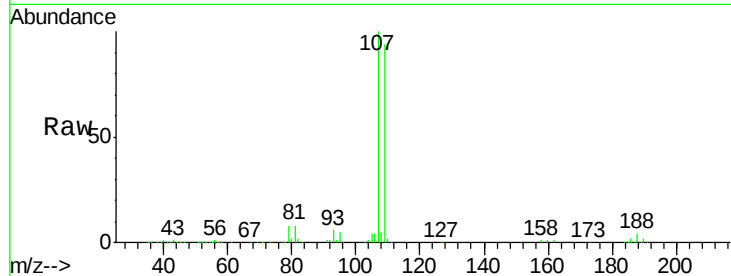
109 94.8 75.4 113.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

120000

100000

80000

60000

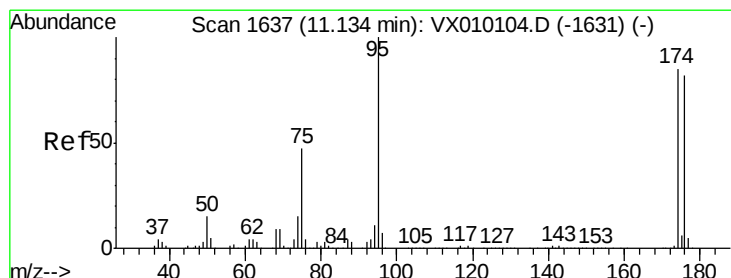
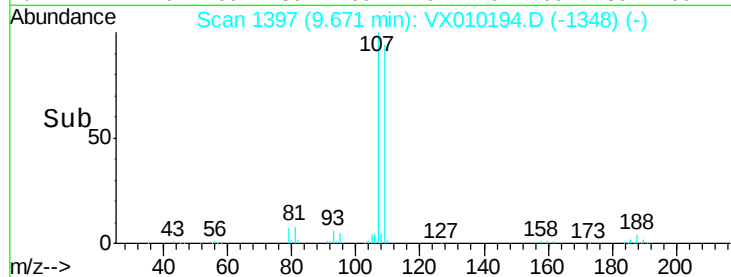
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 51.032 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

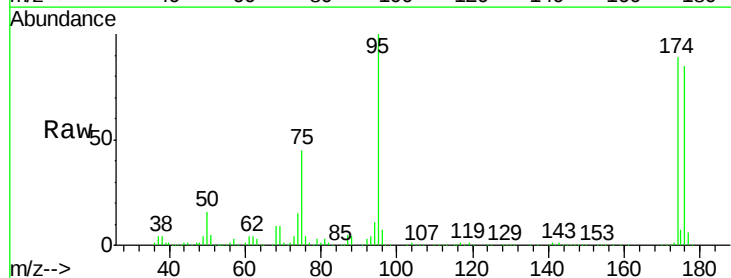
Tgt Ion: 95 Resp: 169229

Ion Ratio Lower Upper

95 100

174 92.6 0.0 160.4

176 90.0 0.0 154.6



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

150000

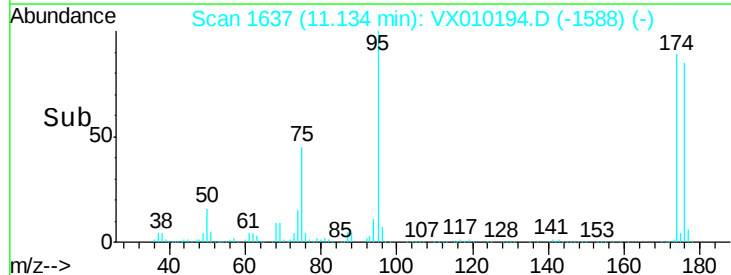
100000

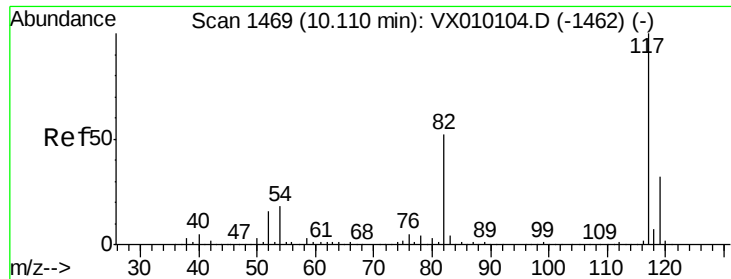
50000

0

11.10 11.13 11.16 11.19 11.22

Time-->





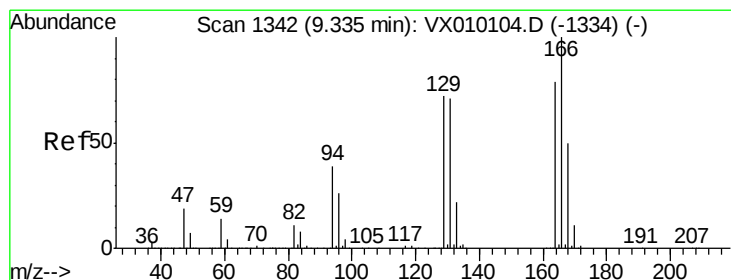
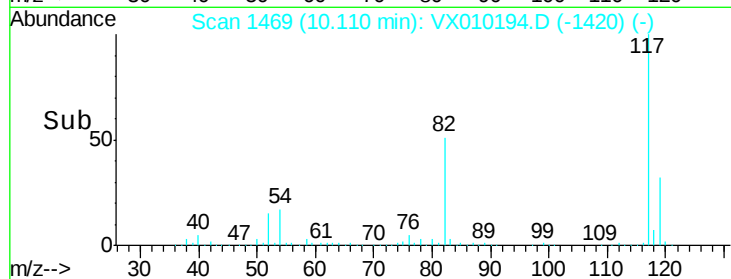
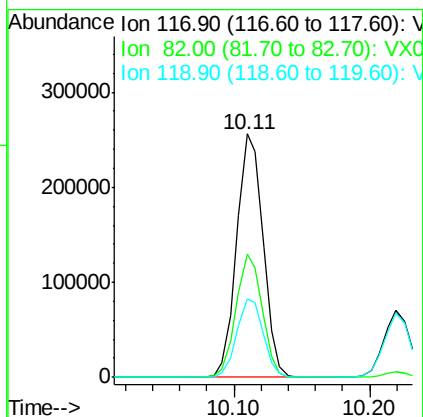
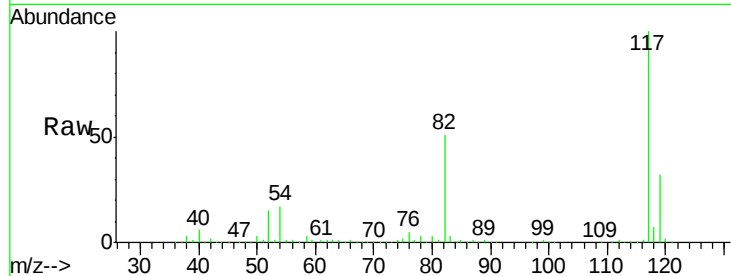
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	49.2	73.8
119	32.1	25.2	37.8

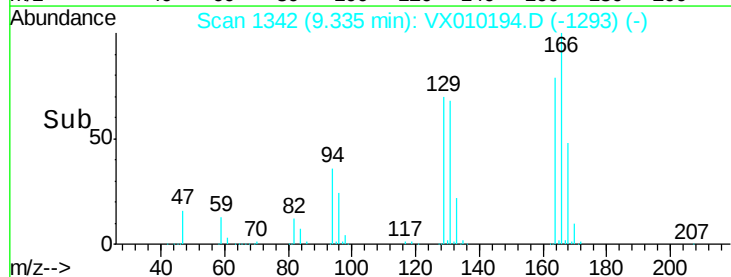
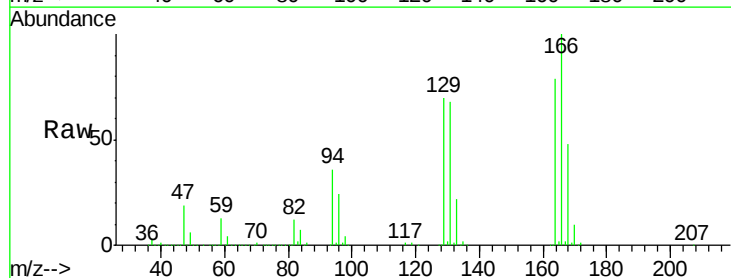
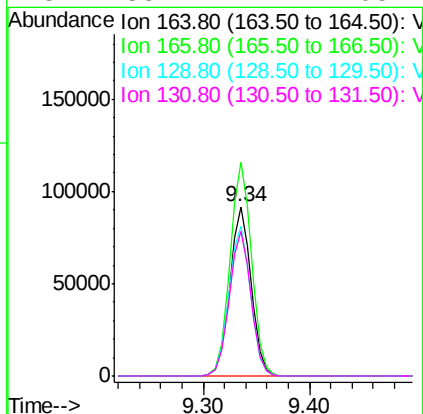
Manual Integrations
APPROVED

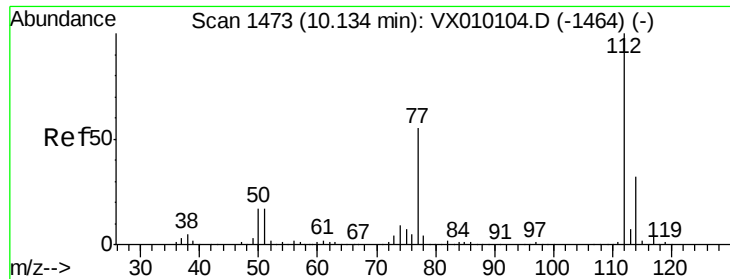
MMDadoda
6/11/2019 11:53:48 AM



#64
Tetrachloroethene
Concen: 50.087 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	105.0	157.4
129	88.3	75.1	112.7
131	85.4	72.2	108.4





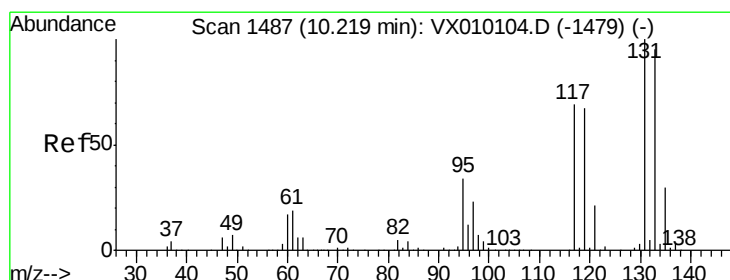
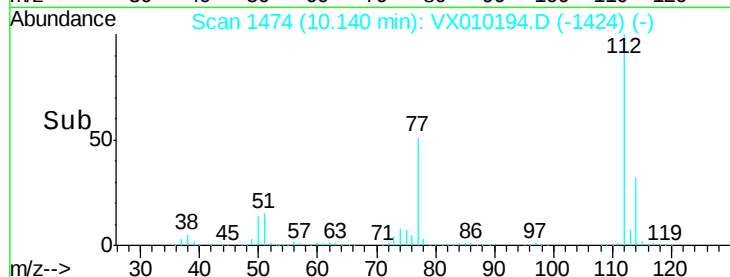
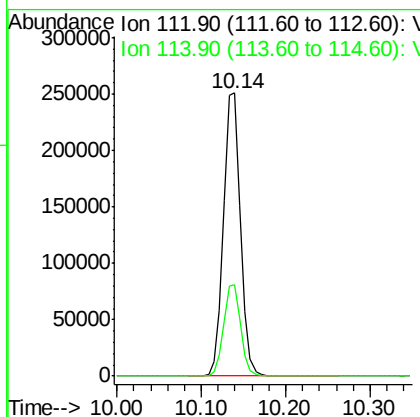
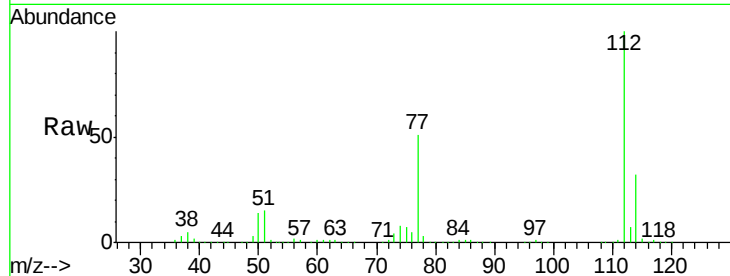
#65
Chlorobenzene
Concen: 49.149 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 351747
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8

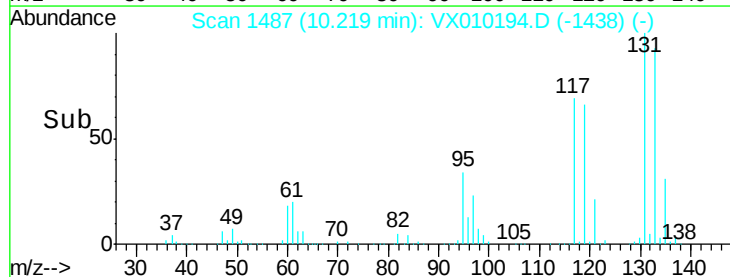
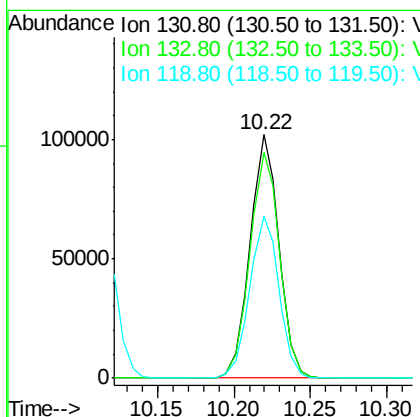
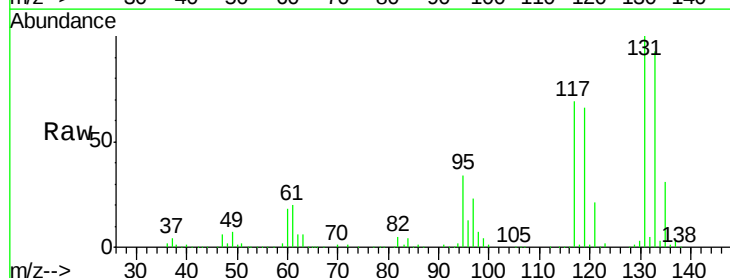
Manual Integrations
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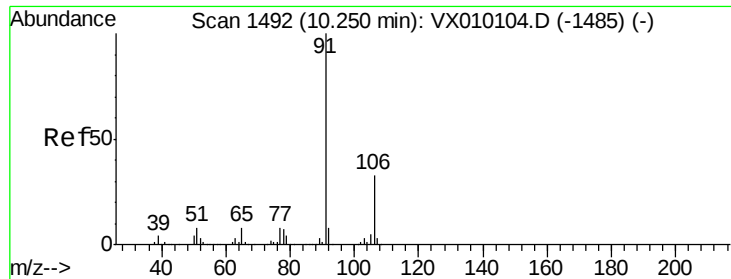
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.649 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion:131 Resp: 133892
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.6
119 67.4 33.4 100.1





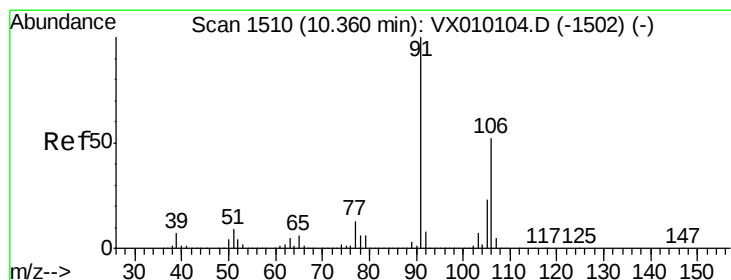
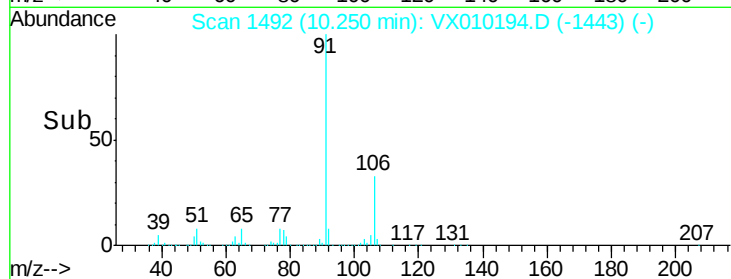
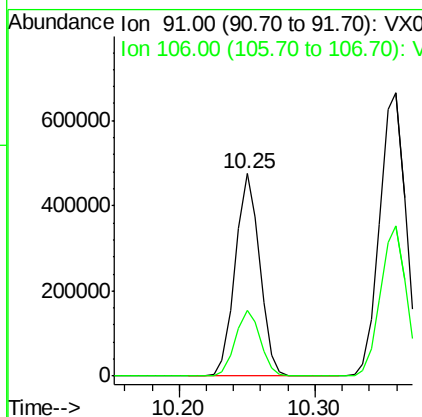
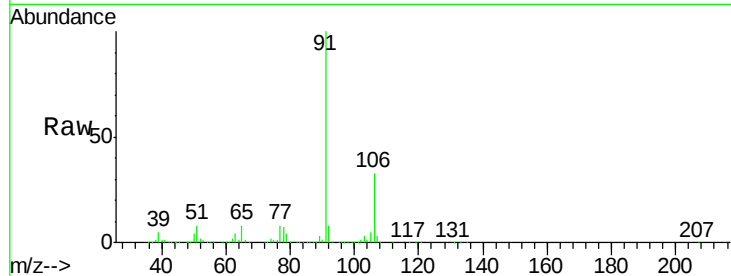
#67
Ethyl Benzene
Concen: 48.967 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.8	23.9	35.9

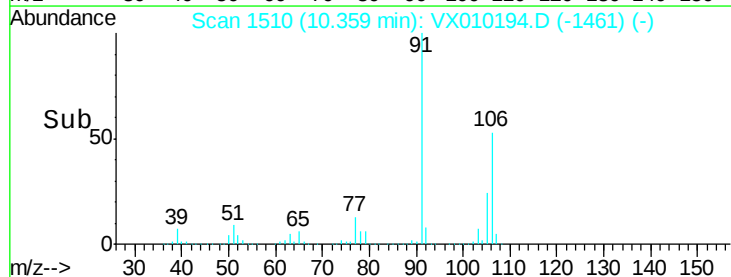
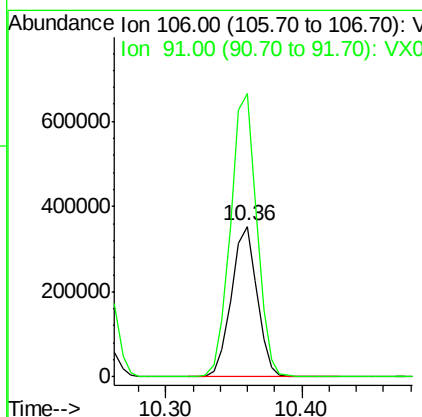
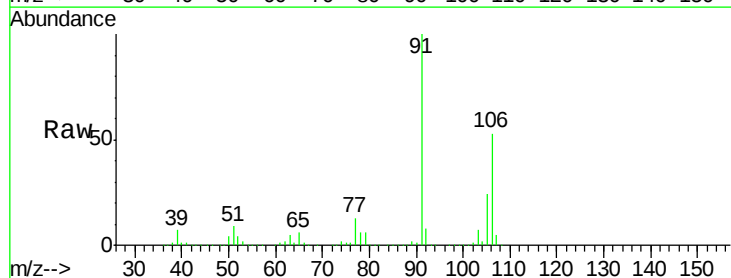
Manual Integrations
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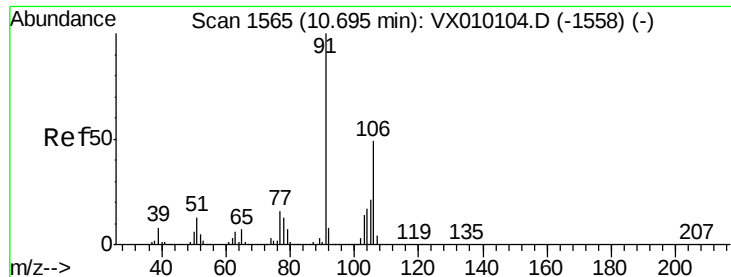
MMDadoda
6/11/2019 11:53:48 AM



#68
m/p-Xylenes
Concen: 98.545 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.1	167.3	250.9





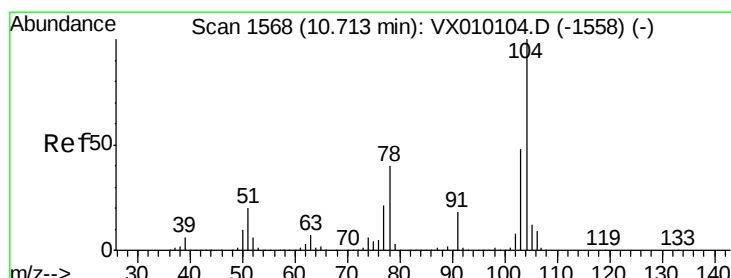
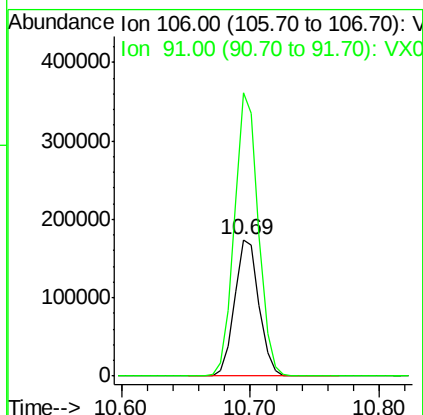
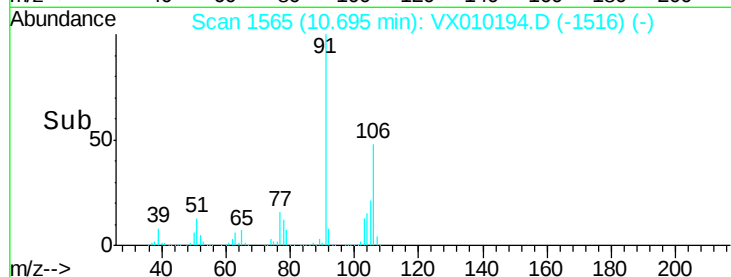
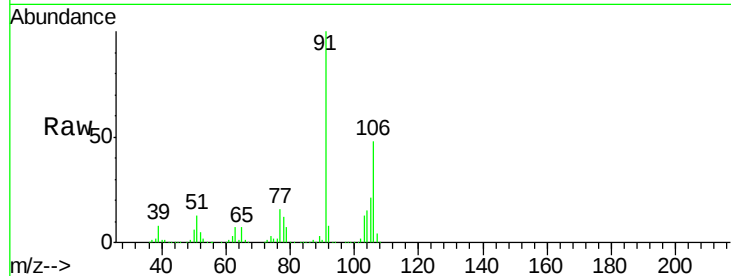
#69
o-Xylene
Concen: 48.880 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	229079		
91	91	203.8		110.4	331.2

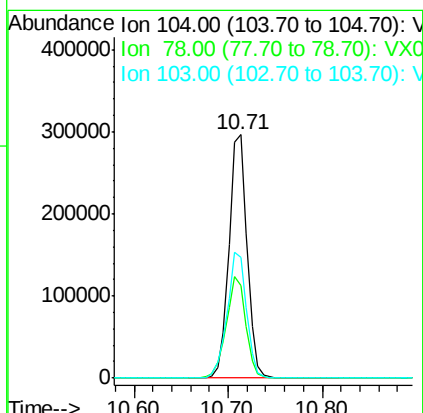
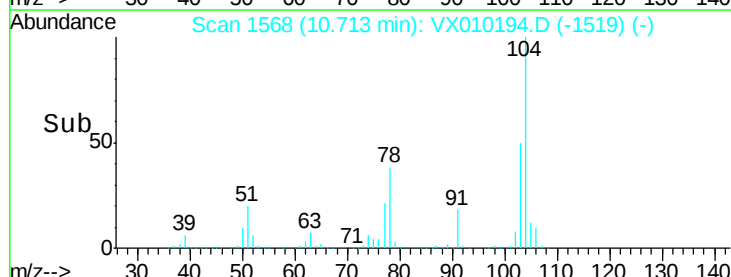
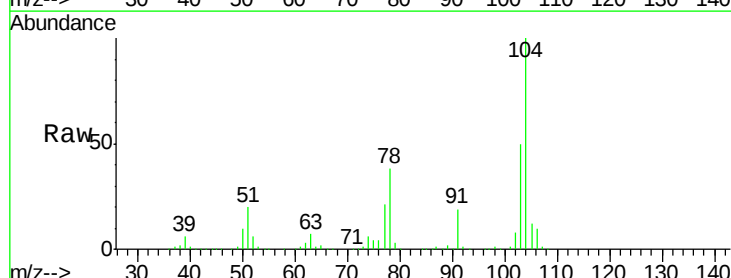
Manual Integrations
APPROVED

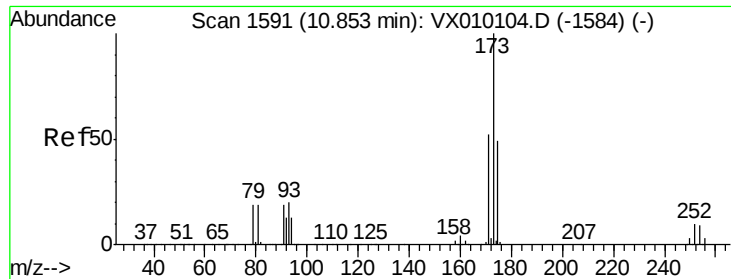
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#70
Styrene
Concen: 49.803 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	395304		
78	78	45.0		42.1	63.1
103	103	55.5		44.1	66.1





#71

Bromoform

Concen: 50.170 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 126938

Ion Ratio Lower Upper

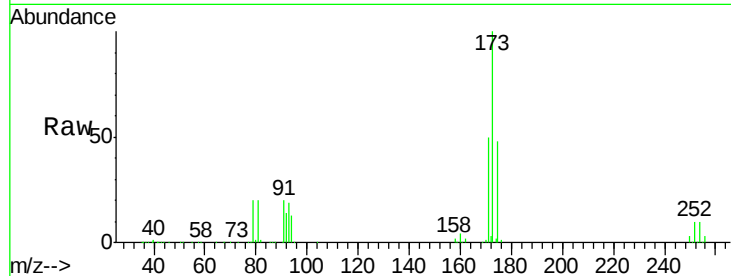
173 100

175 48.0 25.0 75.0

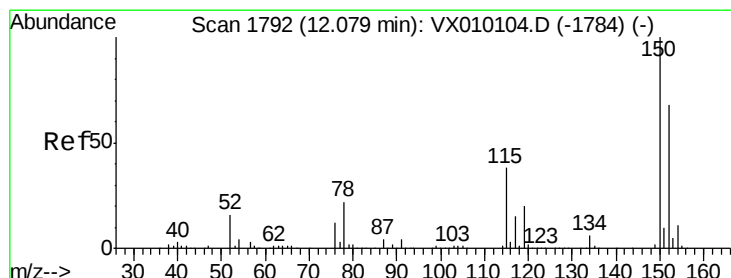
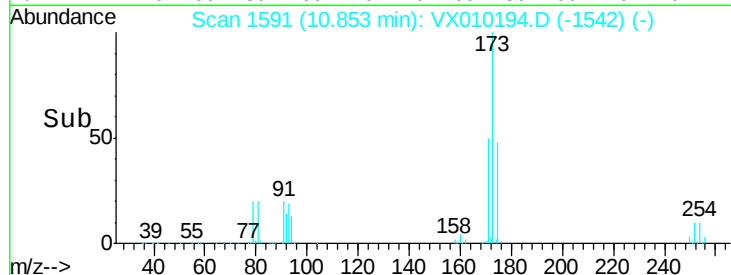
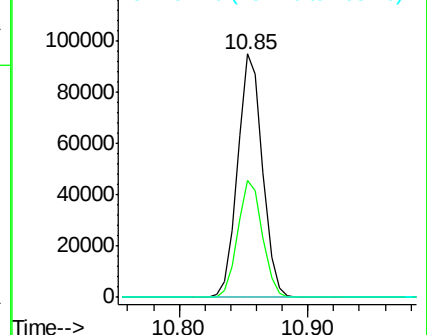
254 0.2 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

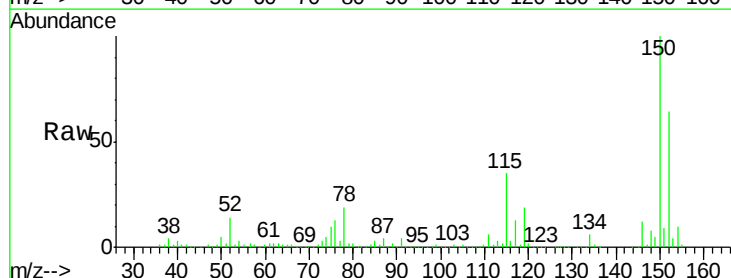
Tgt Ion:152 Resp: 182164

Ion Ratio Lower Upper

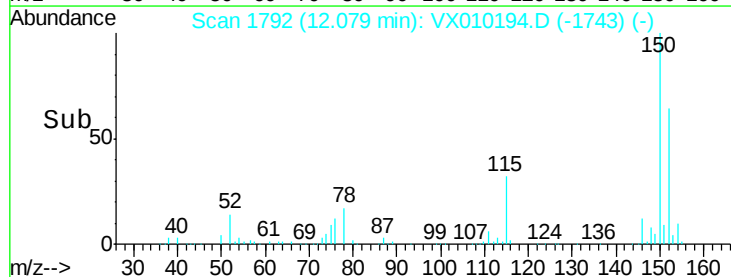
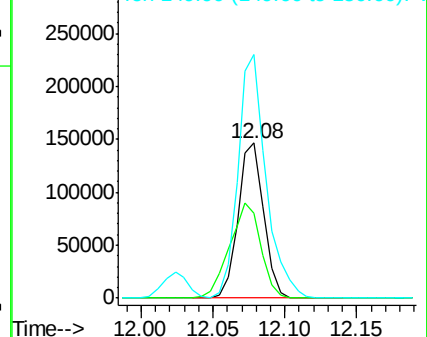
152 100

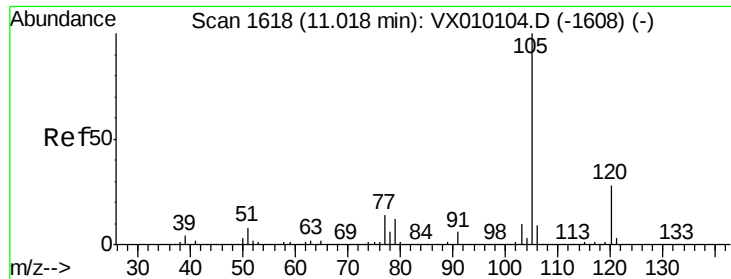
115 74.8 41.4 124.2

150 171.4 0.0 345.2



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





#73

Isopropylbenzene

Concen: 47.100 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 598933

Ion Ratio Lower Upper

105 100

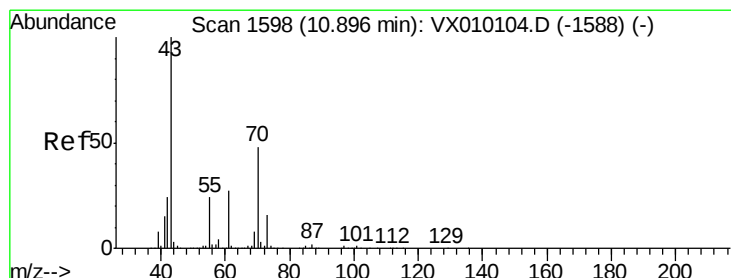
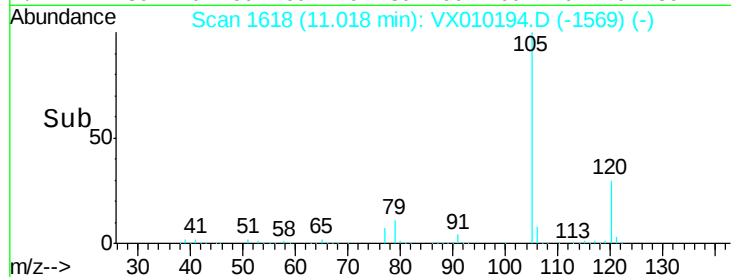
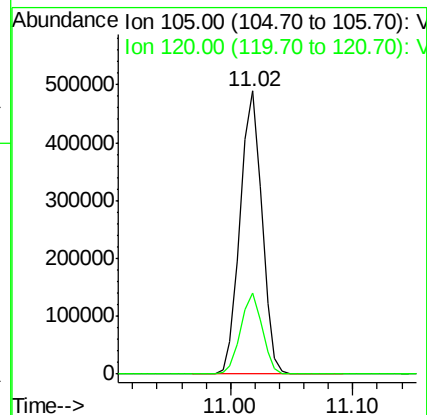
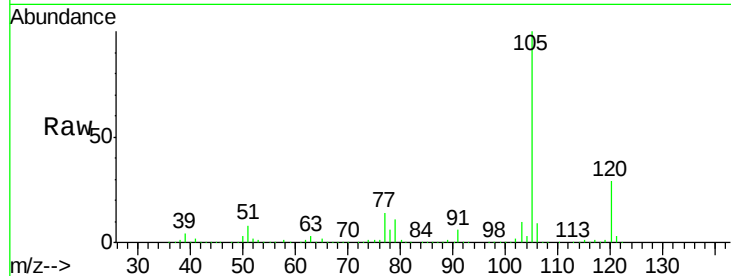
120 28.4 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.110 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion: 43 Resp: 241834

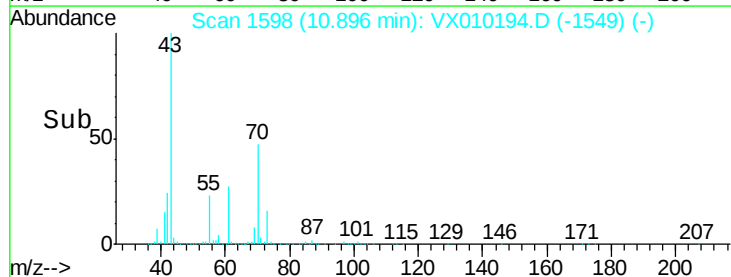
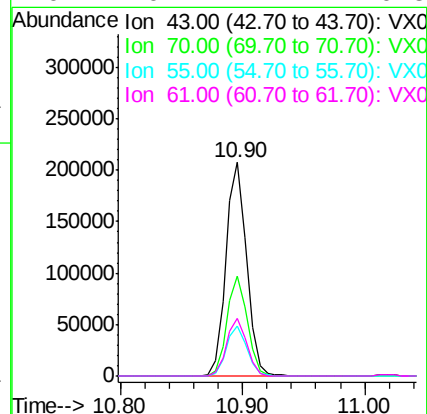
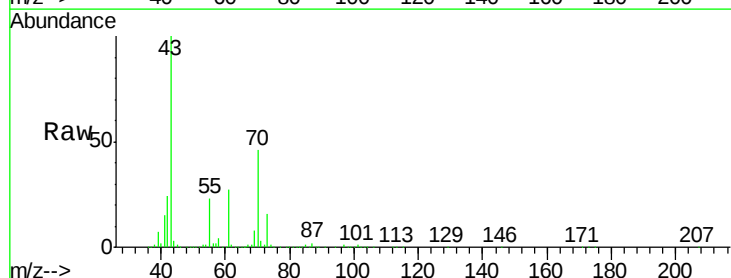
Ion Ratio Lower Upper

43 100

70 46.3 28.6 43.0#

55 23.5 17.8 26.8

61 26.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.630 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

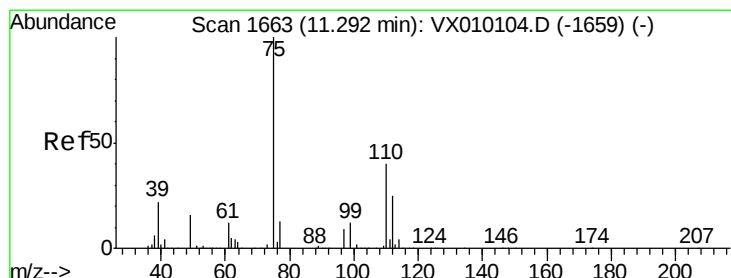
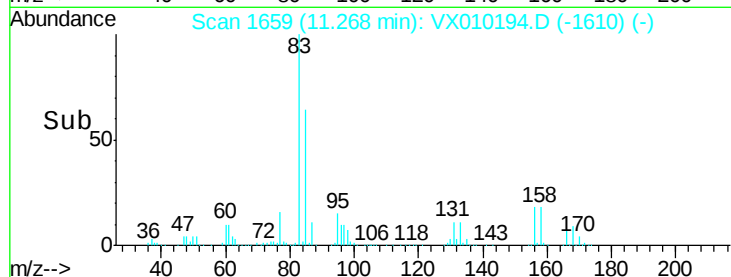
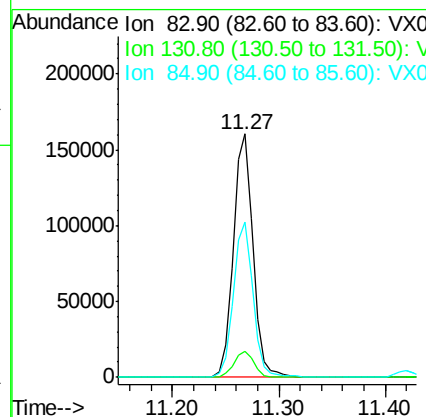
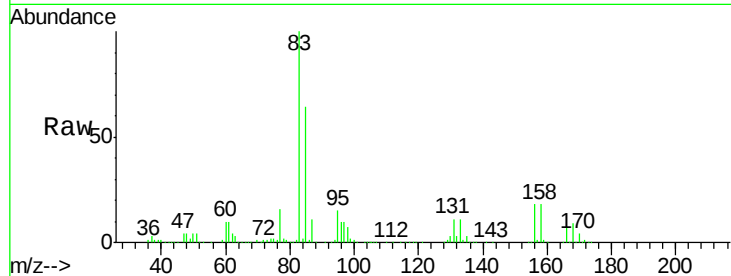
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	207330
Ion Ratio	Lower	Upper	
83	100		
131	10.9	4.7	14.1
85	64.2	31.9	95.9

Manual Integrations
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6/11/2019 11:53:48 AM



#76

1,2,3-Trichloropropane

Concen: 45.725 ug/l m

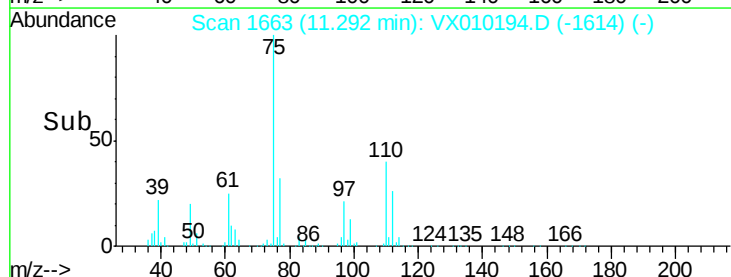
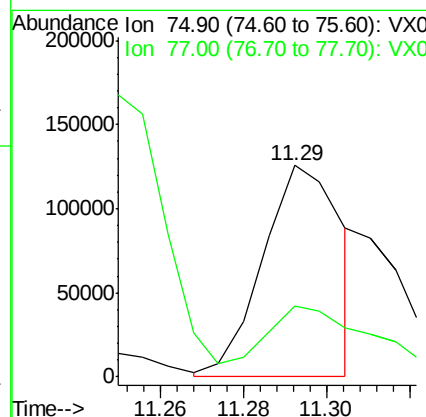
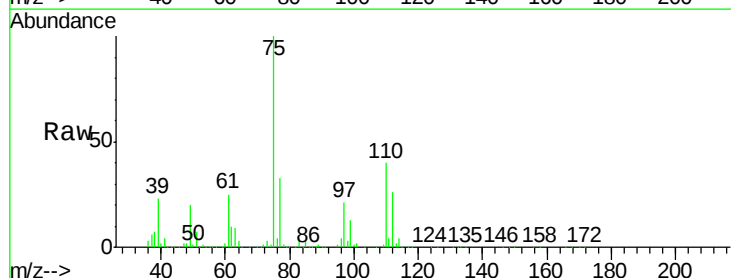
RT: 11.29 min Scan# 1663

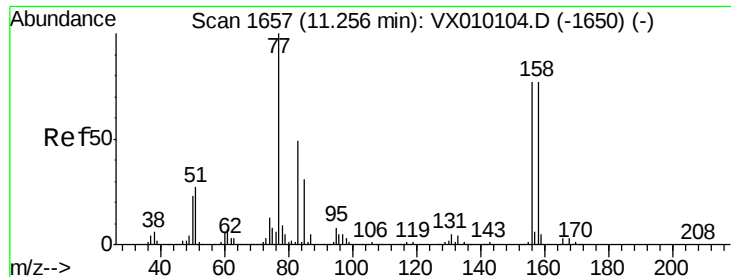
Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion:	75	Resp:	166604
Ion Ratio	Lower	Upper	
75	100		
77	45.8	22.1	66.1





#77

Bromobenzene

Concen: 48.363 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

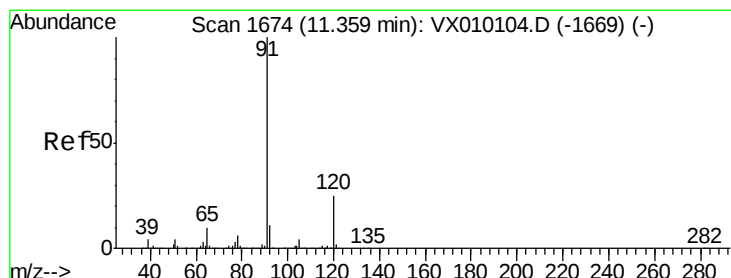
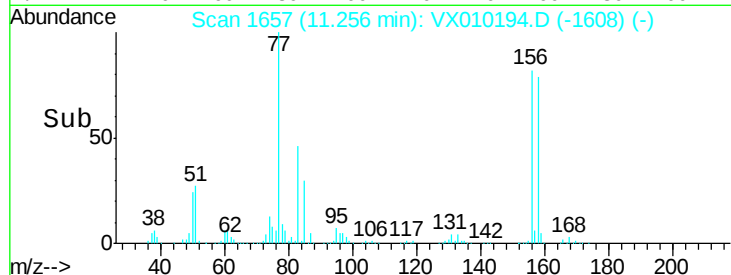
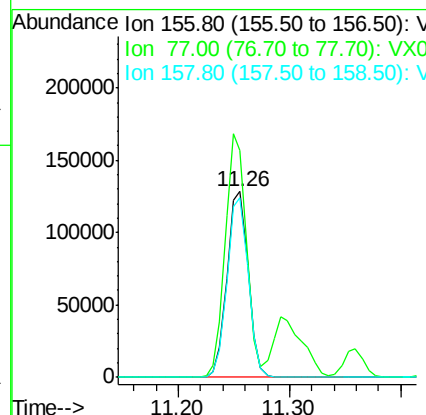
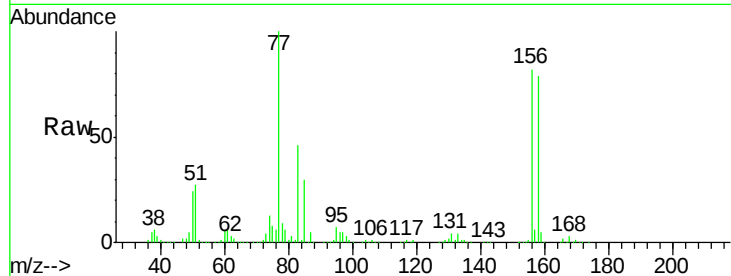
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.5	86.8	260.3
158	96.6	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 47.079 ug/l

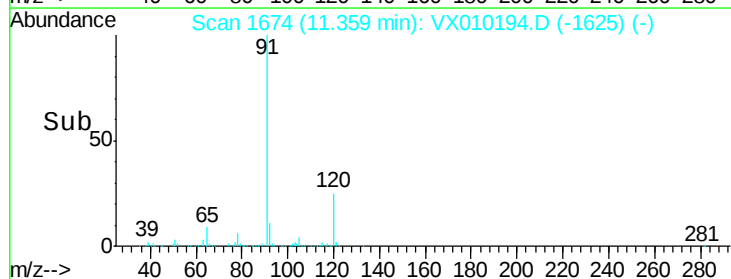
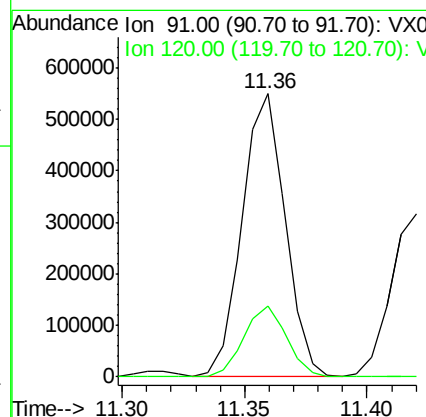
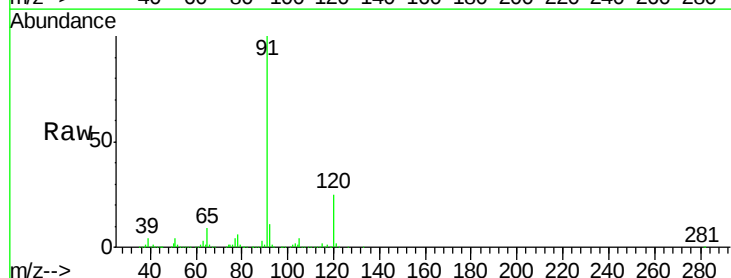
RT: 11.36 min Scan# 1674

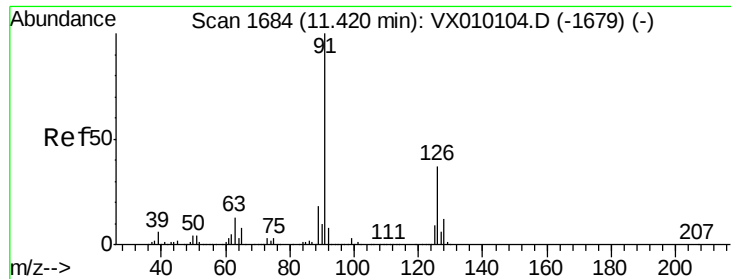
Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 46.388 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 394416

Ion Ratio Lower Upper

91 100

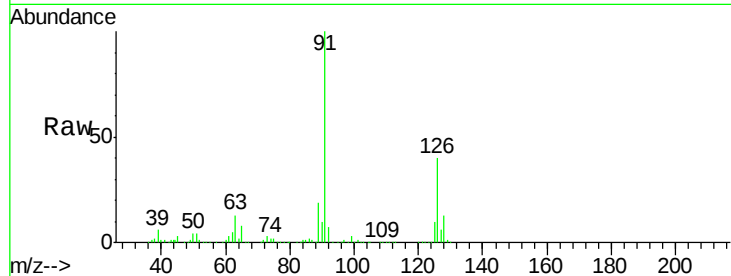
126 38.1 16.1 48.3

Manual Integrations

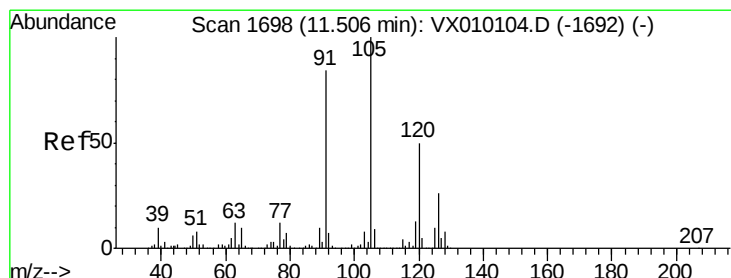
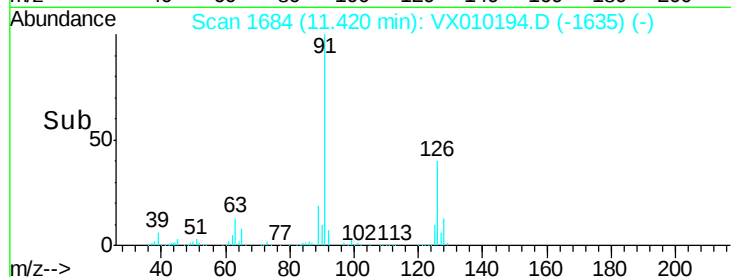
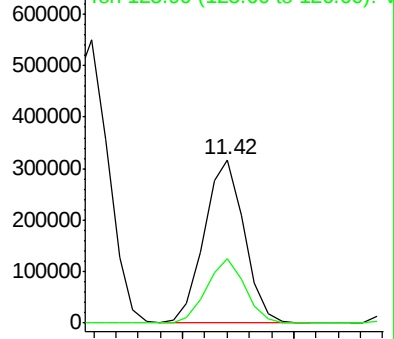
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Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.910 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010194.D

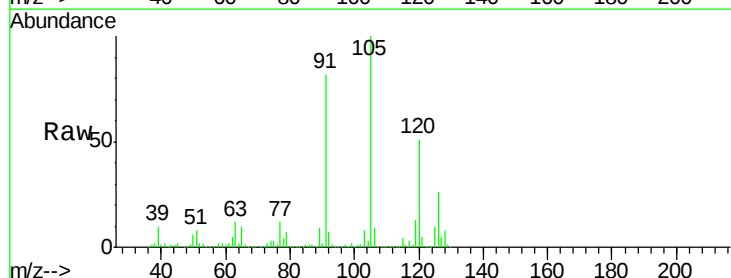
Acq: 10 Jun 2019 22:23

Tgt Ion: 105 Resp: 502434

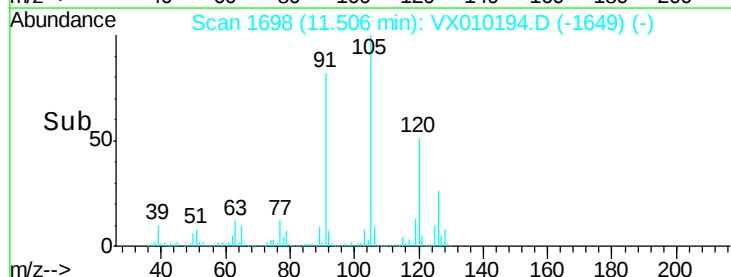
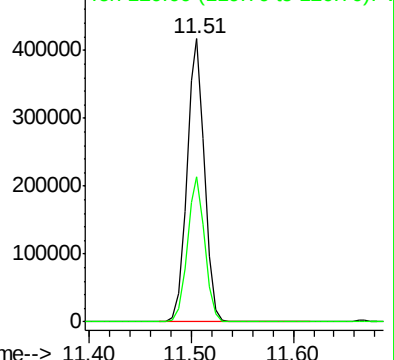
Ion Ratio Lower Upper

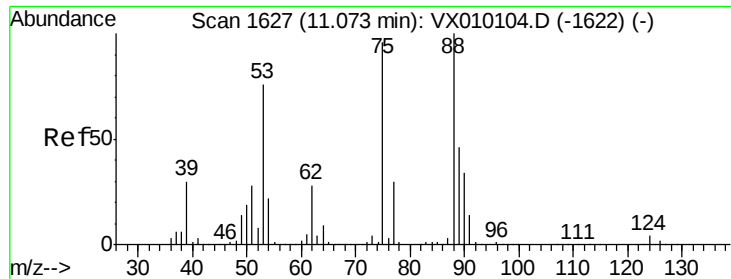
105 100

120 50.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010104.D (-1692) (-)





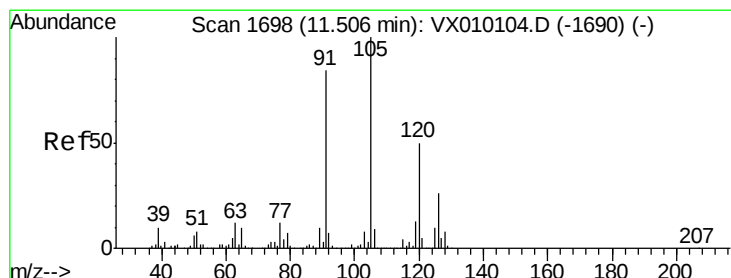
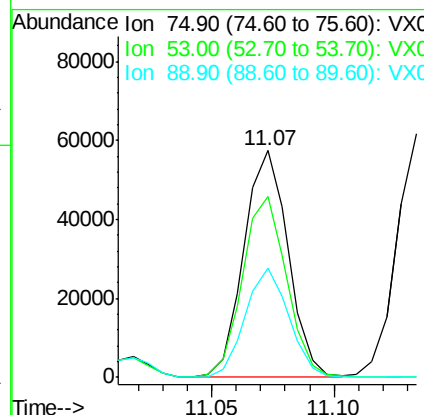
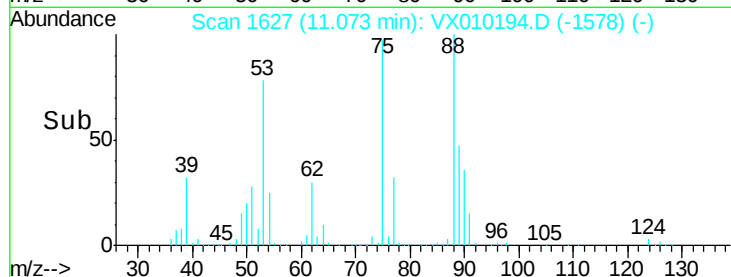
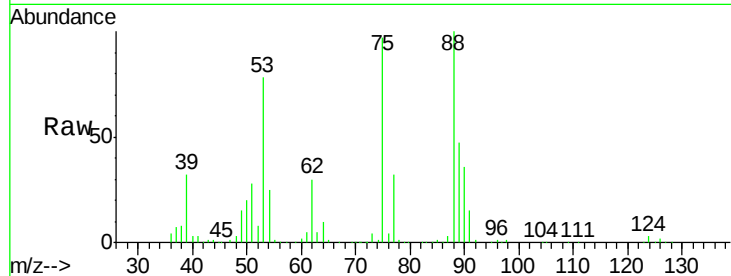
#81
trans-1,4-Dichloro-2-butene
Concen: 43.405 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.5	79.8	119.6#
89	48.0	34.2	51.4

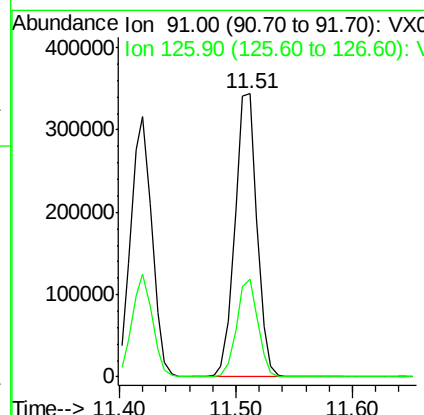
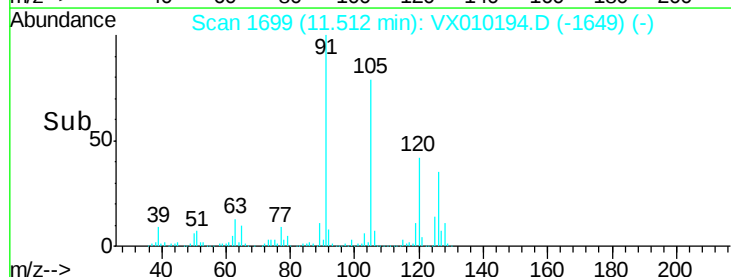
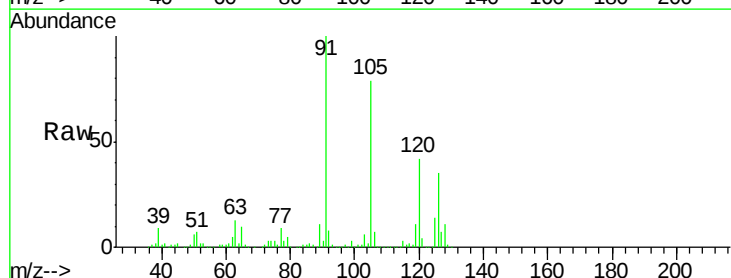
Manual Integrations
APPROVED

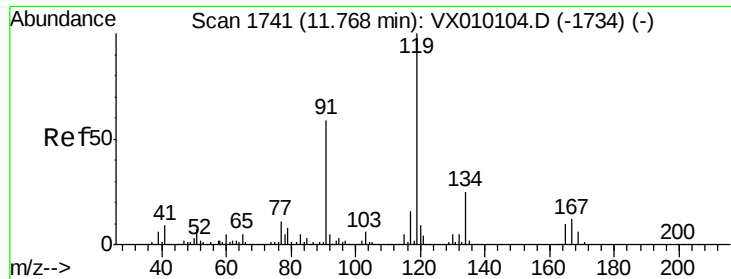
MMDadoda
6/11/2019 11:53:48 AM



#82
4-Chlorotoluene
Concen: 46.927 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	14.2	42.6





#83

tert-Butylbenzene

Concen: 47.213 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

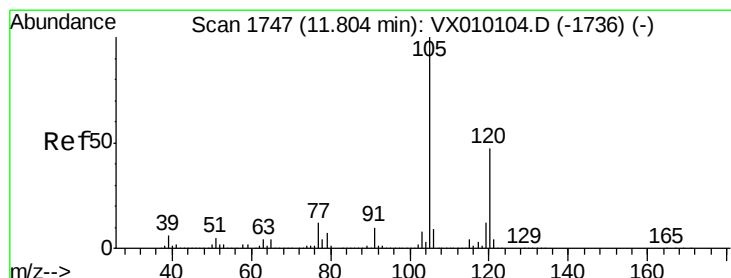
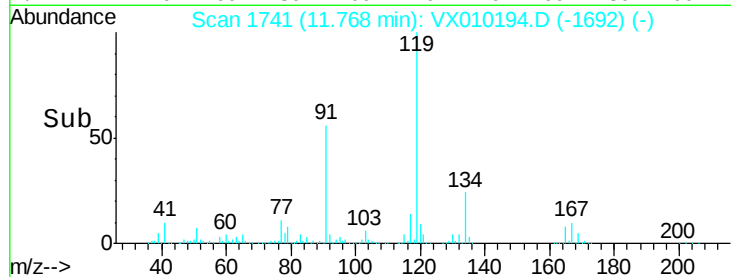
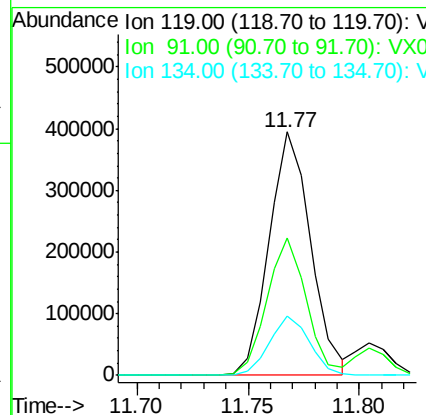
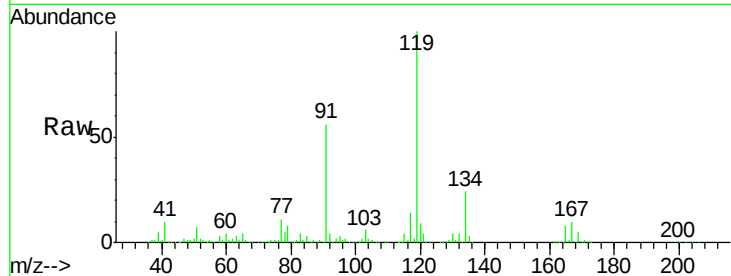
ClientSampled :

VSTDCCC050

Tot Ion:	119	Resp:	511812
Ion Ratio	Lower	Upper	
119	100		
91	53.6	30.0	90.0
134	23.4	11.2	33.5

Manual Integrations
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6/11/2019 11:53:48 AM



#84

1,2,4-Trimethylbenzene

Concen: 47.418 ug/l

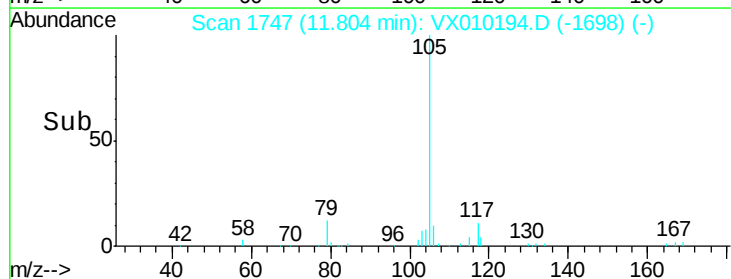
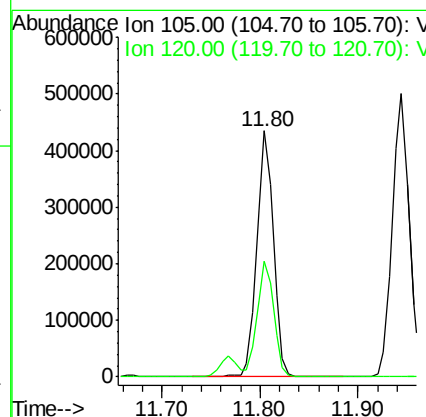
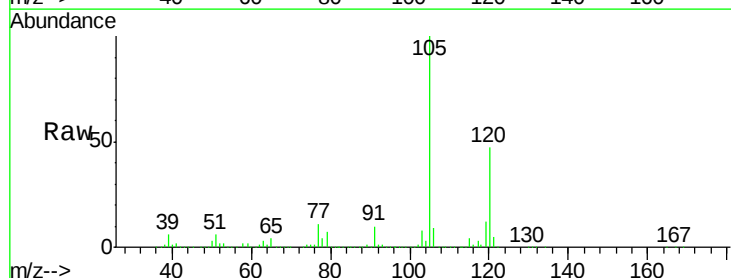
RT: 11.80 min Scan# 1747

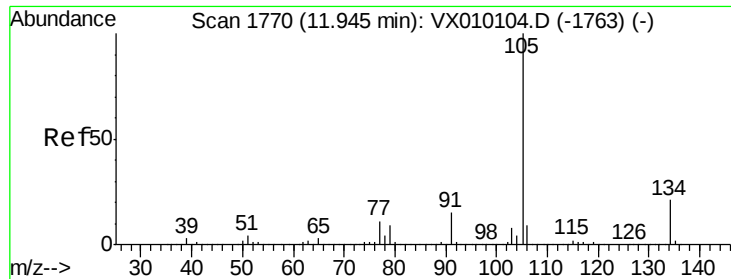
Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion:	105	Resp:	512998
Ion Ratio	Lower	Upper	
105	100		
120	47.4	22.1	66.1





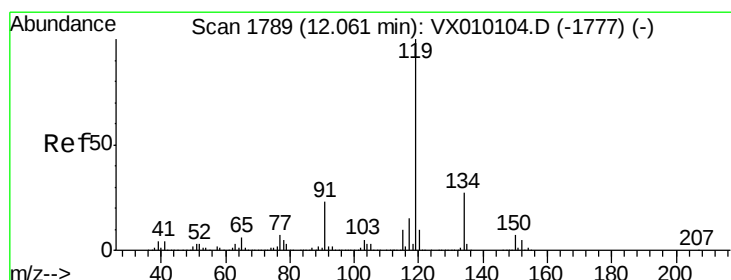
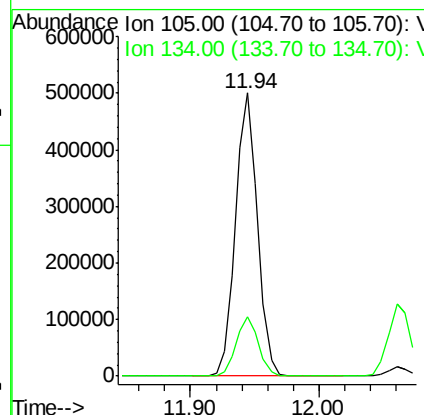
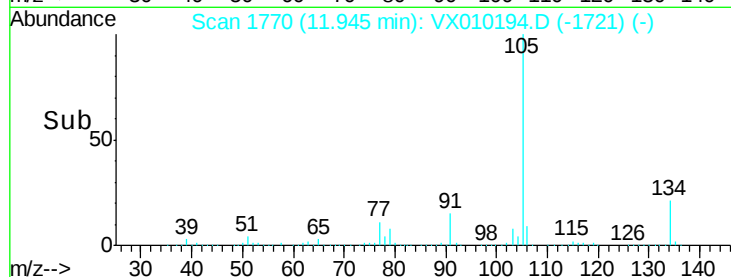
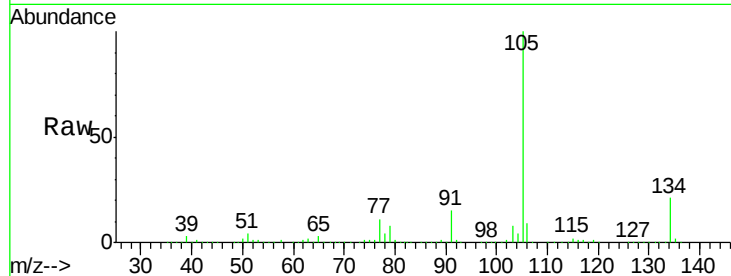
#85
 sec-Butylbenzene
 Concen: 47.269 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	9.7	28.9

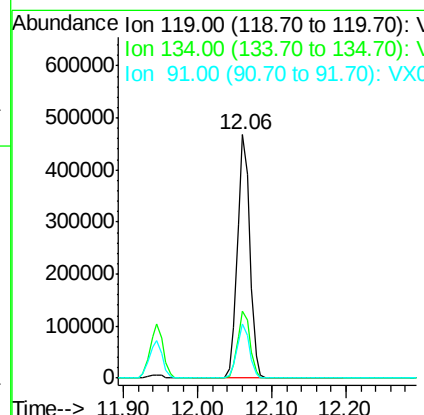
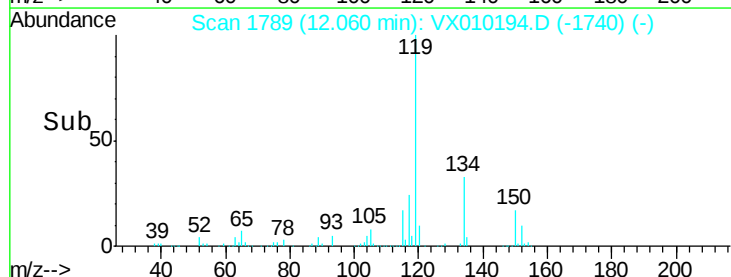
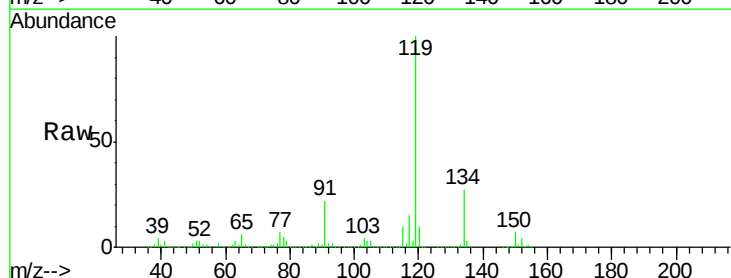
Manual Integrations
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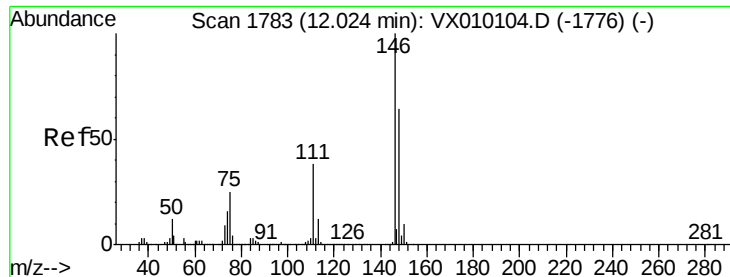
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 6/11/2019 11:53:48 AM



#86
 p-Isopropyltoluene
 Concen: 47.487 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.8	12.9	38.6
91	22.1	11.9	35.9





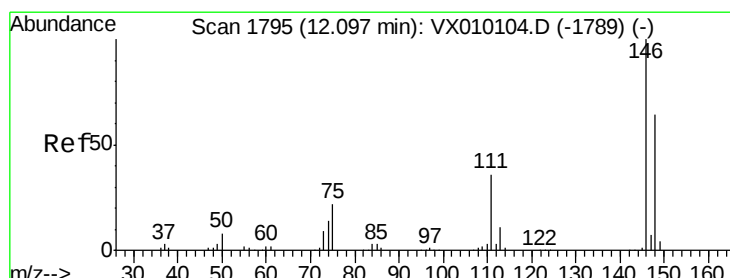
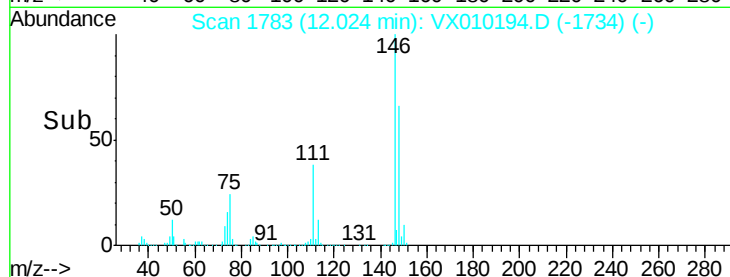
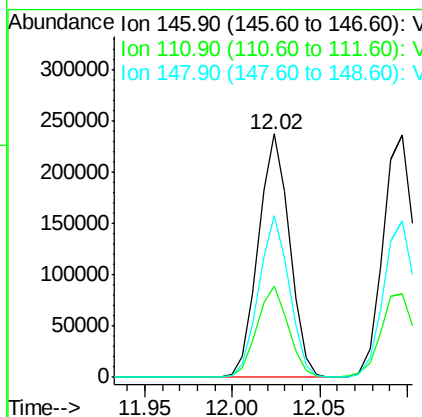
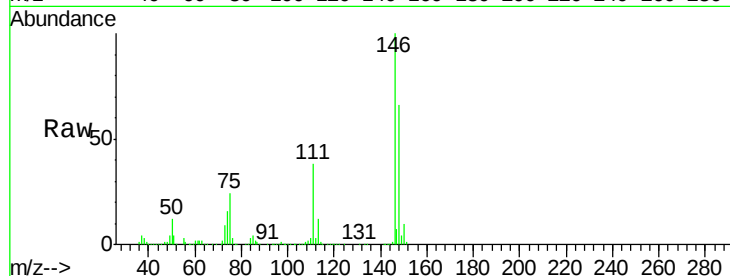
#87
 1,3-Dichlorobenzene
 Concen: 47.872 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.1	60.2
148	64.9	31.9	95.5

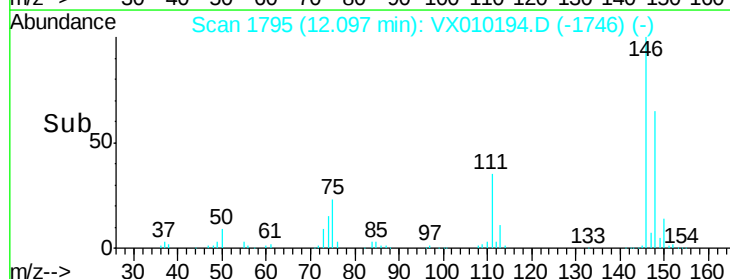
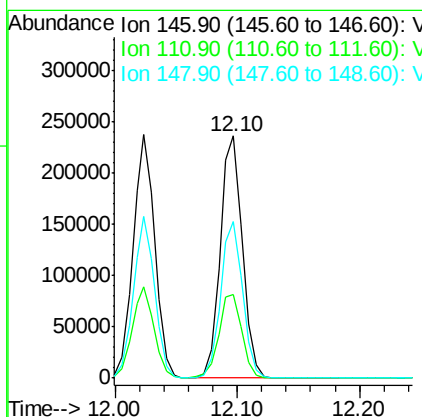
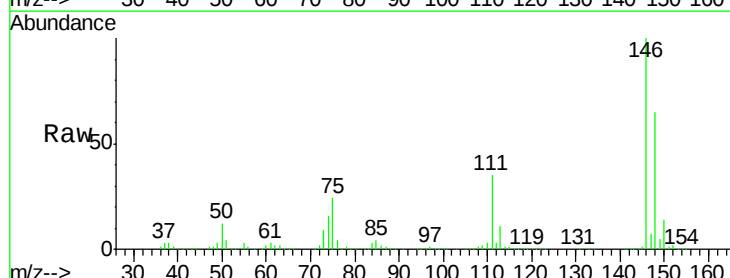
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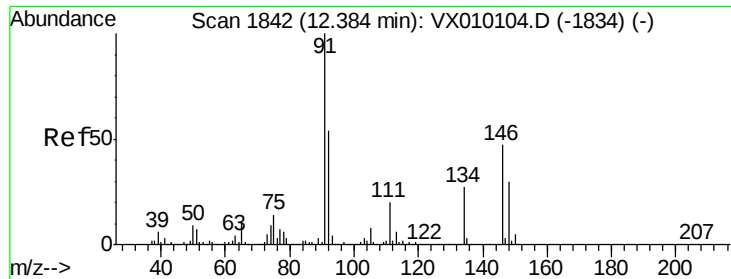
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#88
 1,4-Dichlorobenzene
 Concen: 47.545 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	20.0	59.9
148	64.3	32.3	96.9





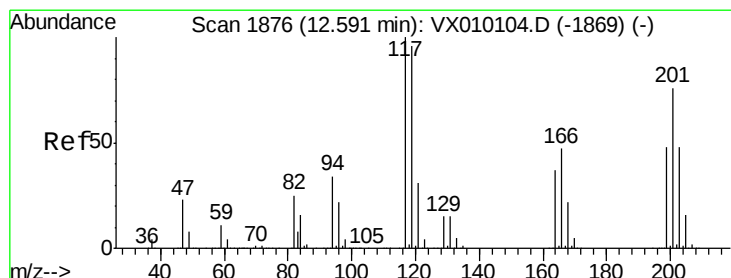
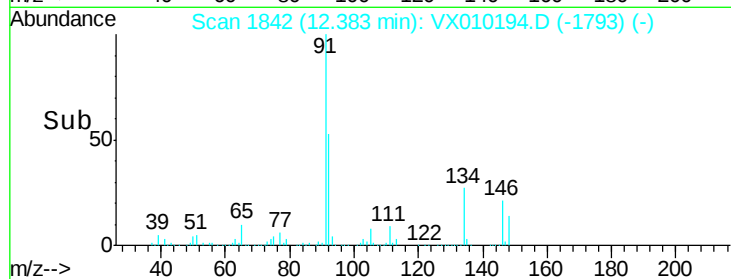
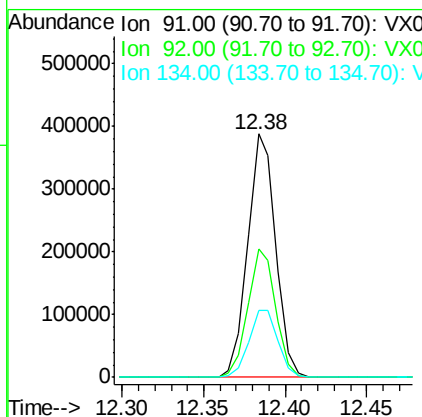
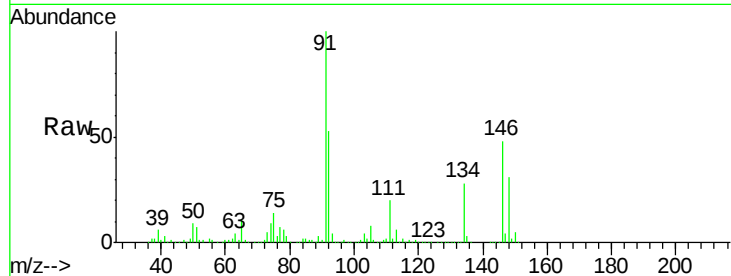
#89
n-Butylbenzene
Concen: 46.623 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.8
134	28.7	12.3	36.8

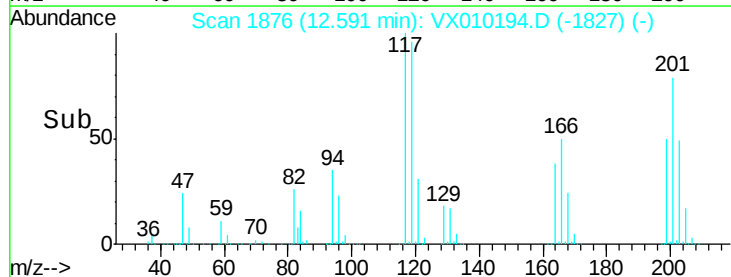
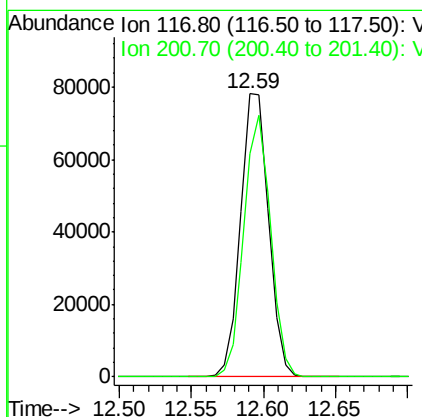
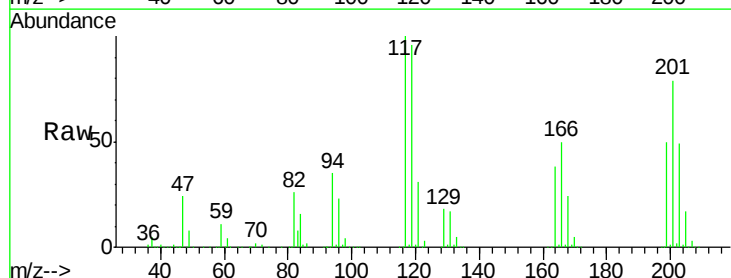
Manual Integrations
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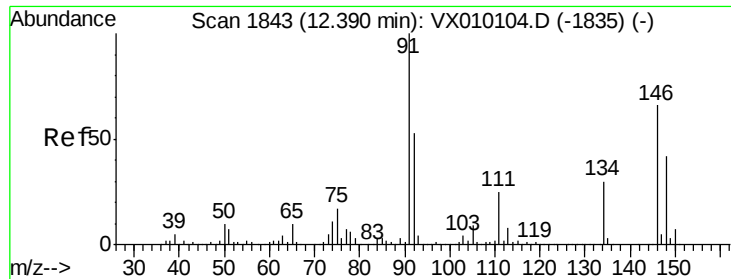
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#90
Hexachloroethane
Concen: 45.860 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010194.D
Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	43.6	130.9





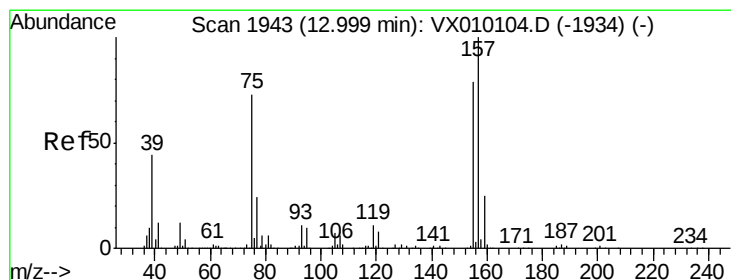
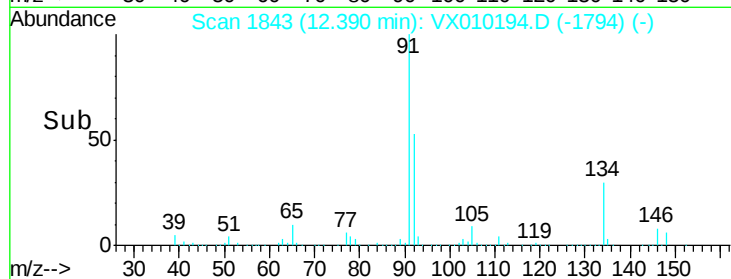
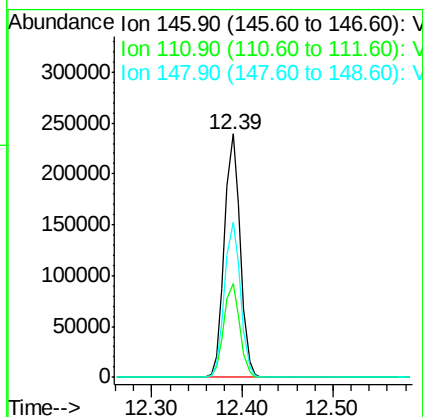
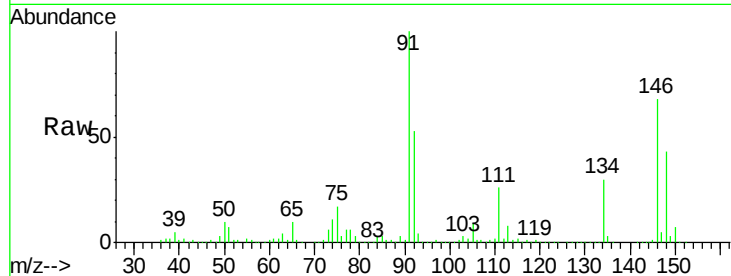
#91
 1,2-Dichlorobenzene
 Concen: 48.712 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	21.1	63.1
148	64.2	32.3	96.8

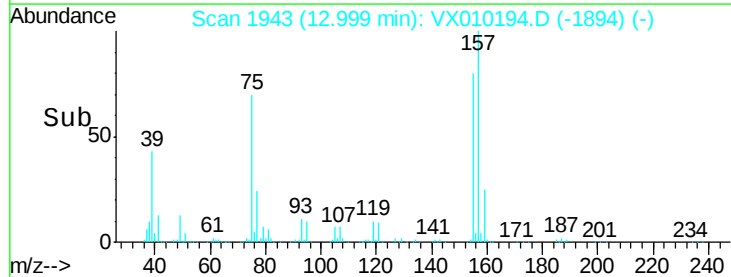
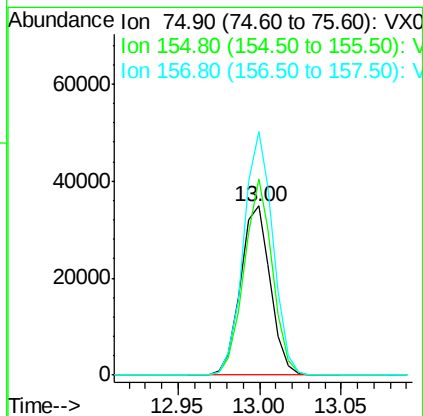
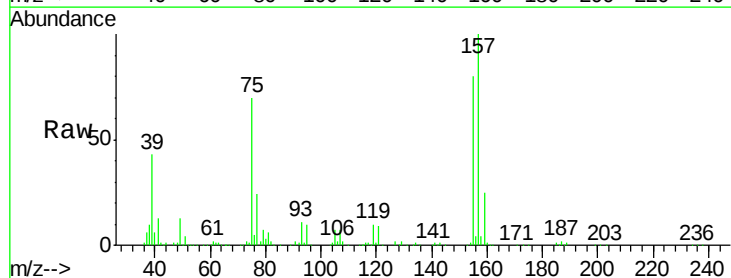
Manual Integrations
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 6/11/2019 11:53:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.547 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.5	39.3	117.8
157	141.2	50.6	151.8





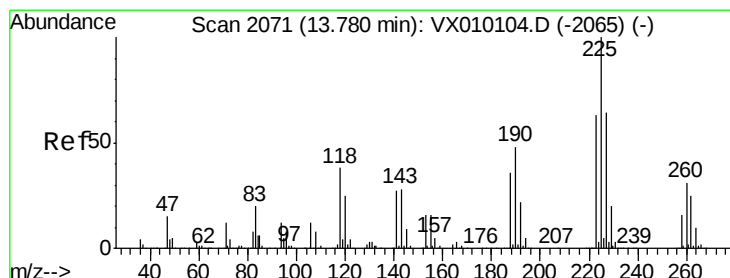
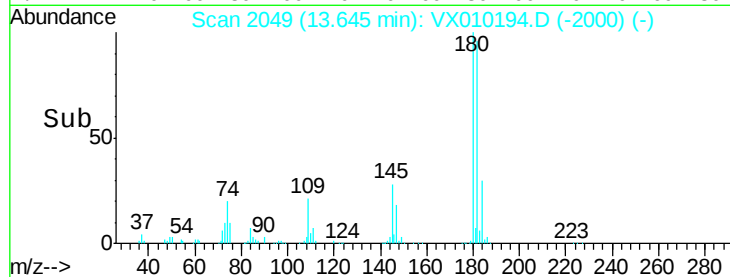
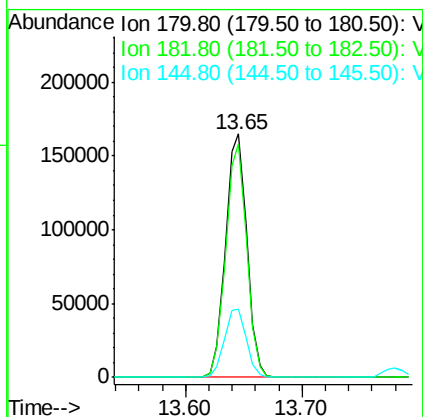
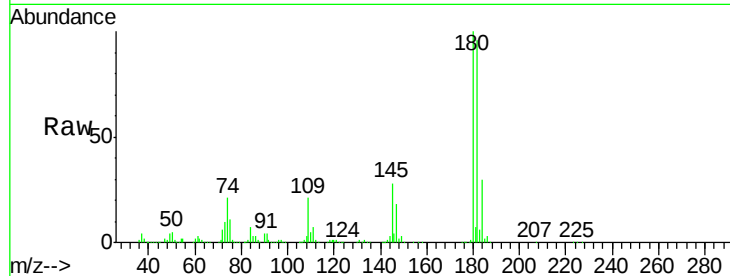
#93
 1,2,4-Trichlorobenzene
 Concen: 47.677 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	208982		
182	93.9	47.4	142.2	
145	28.6	14.5	43.5	

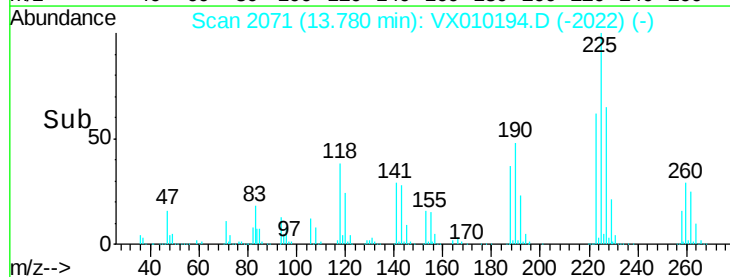
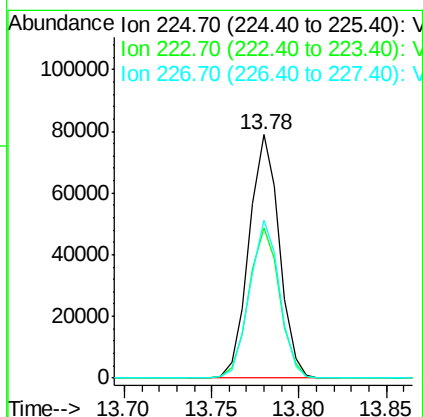
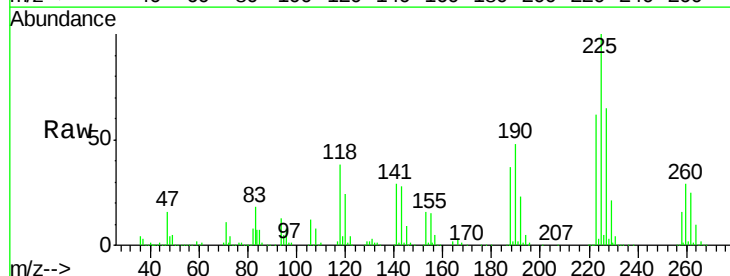
Manual Integrations
 APPROVED

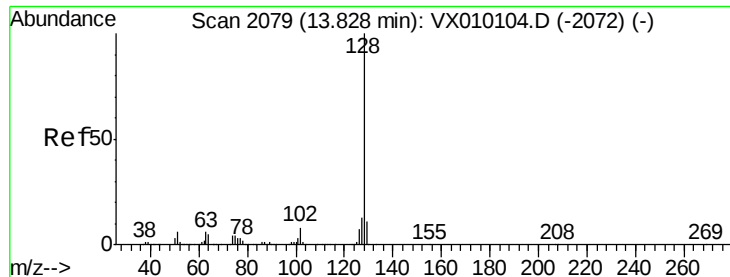
MMDadoda
 6/11/2019 11:53:48 AM



#94
 Hexachlorobutadiene
 Concen: 48.681 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010194.D
 Acq: 10 Jun 2019 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94899		
223	62.4	31.3	93.8	
227	64.1	32.3	96.8	





#95

Naphthalene

Concen: 47.937 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Instrument :

MSVOA_X

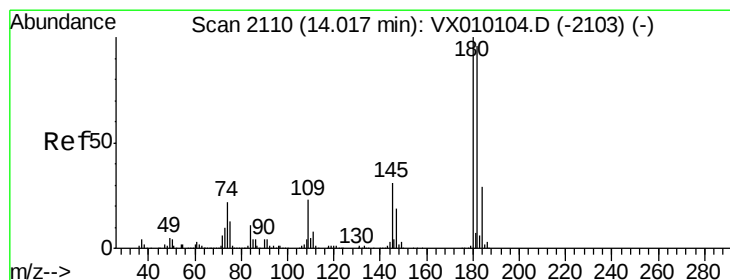
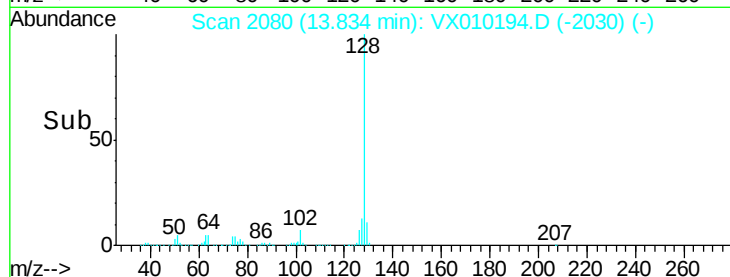
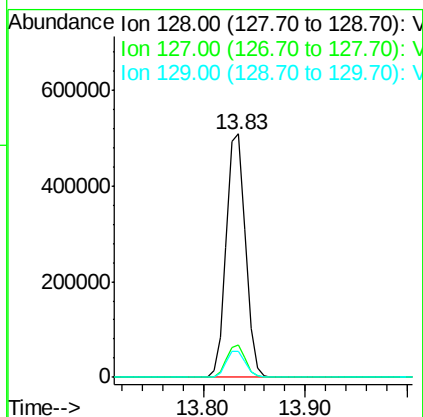
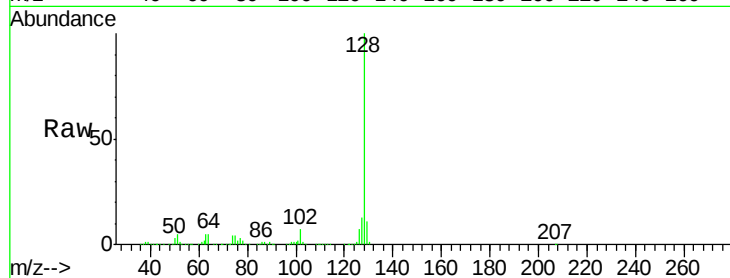
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	661438
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:53:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.972 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010194.D

Acq: 10 Jun 2019 22:23

Tgt Ion:	180	Resp:	207907
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.3	142.0
145	30.5	15.6	46.7

