

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060819\
 Data File : VX010137.D
 Acq On : 08 Jun 2019 14:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 9:43:40 AM

Quant Time: Jun 10 08:12:12 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	5.66	168	310575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	451936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	415873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220879	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	140915	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	5.49	113	139541	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	8.71	98	525569	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	204304	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	147104	51.476	ug/l	97
3) Chloromethane	1.32	50	139025	48.986	ug/l	99
4) Vinyl Chloride	1.41	62	134989	50.607	ug/l	99
5) Bromomethane	1.64	94	51994	51.656	ug/l	99
6) Chloroethane	1.71	64	73112	54.365	ug/l	98
7) Trichlorofluoromethane	1.92	101	207578	52.390	ug/l	98
8) Diethyl Ether	2.18	74	69351	50.783	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	2.38	101	129901	47.562	ug/l	91
10) Methyl Iodide	2.51	142	204416	48.306	ug/l	96
11) Tert butyl alcohol	3.04	59	170865	230.075	ug/l	99
12) 1,1-Dichloroethene	2.37	96	128937	46.220	ug/l #	80
13) Acrolein	2.29	56	36674	270.827	ug/l	100
14) Allyl chloride	2.72	41	191879	45.567	ug/l #	88
15) Acrylonitrile	3.14	53	345834	227.828	ug/l	98
16) Acetone	2.44	43	345930	242.610	ug/l	89
17) Carbon Disulfide	2.56	76	359721	44.628	ug/l	99
18) Methyl Acetate	2.77	43	138036	44.020	ug/l #	83
19) Methyl tert-butyl Ether	3.19	73	407761	45.498	ug/l	94
20) Methylene Chloride	2.85	84	142841	45.615	ug/l #	76
21) trans-1,2-Dichloroethene	3.16	96	139630	45.229	ug/l #	78
22) Diisopropyl ether	3.85	45	381044	47.329	ug/l #	82
23) Vinyl Acetate	3.81	43	1708233	237.839	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	224248	45.875	ug/l	95
25) 2-Butanone	4.67	43	503603	237.185	ug/l #	83
26) 2,2-Dichloropropane	4.58	77	206755	46.364	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	160442	46.716	ug/l	79
28) Bromochloromethane	5.01	49	97562	44.534	ug/l #	47
29) Tetrahydrofuran	5.12	42	301831	226.198	ug/l #	75
30) Chloroform	5.21	83	237711	46.825	ug/l	100
31) Cyclohexane	5.57	56	212520	48.173	ug/l #	78
32) 1,1,1-Trichloroethane	5.49	97	215418	45.137	ug/l	93
36) 1,1-Dichloropropene	5.79	75	177272	48.079	ug/l	92
37) Ethyl Acetate	4.83	43	178658	46.570	ug/l #	91
38) Carbon Tetrachloride	5.78	117	199843	47.885	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	247585	49.313	ug/l #	83
40) Benzene	6.13	78	556906	48.846	ug/l	98
41) Methacrylonitrile	5.04	41	98100	47.272	ug/l #	84
42) 1,2-Dichloroethane	6.19	62	171857	47.215	ug/l	93
43) Isopropyl Acetate	6.44	43	301308	46.974	ug/l #	89
44) Trichloroethene	7.21	130	167332	48.690	ug/l	89
45) 1,2-Dichloropropane	7.51	63	137948	48.341	ug/l	98
46) Dibromomethane	7.66	93	98989	46.302	ug/l	90
47) Bromodichloromethane	7.90	83	190348	47.648	ug/l #	99
48) Methyl methacrylate	7.76	41	143501	47.837	ug/l #	78
49) 1,4-Dioxane	7.74	88	80607	942.468	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	937834	244.743	ug/l	89
52) Toluene	8.78	92	361592	48.247	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	224367	48.557	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	236099	47.662	ug/l	90
55) 1,1,2-Trichloroethane	9.21	97	148868	48.502	ug/l	97
56) Ethyl methacrylate	9.18	69	238112	49.110	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	232609	48.137	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	562552	246.118	ug/l #	86
59) 2-Hexanone	9.49	43	767371	251.167	ug/l	87
60) Dibromochloromethane	9.58	129	180526	49.725	ug/l	99
61) 1,2-Dibromoethane	9.67	107	164273	48.055	ug/l	100
64) Tetrachloroethene	9.34	164	147672	47.809	ug/l	97
65) Chlorobenzene	10.13	112	414505	48.292	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	159449	48.306	ug/l	100
67) Ethyl Benzene	10.25	91	714655	48.910	ug/l	95
68) m/p-Xylenes	10.35	106	563569	99.671	ug/l	90
69) o-Xylene	10.69	106	274837	48.898	ug/l	89
70) Styrene	10.71	104	472737	49.660	ug/l	96
71) Bromoform	10.85	173	150605	49.632	ug/l #	97
73) Isopropylbenzene	11.02	105	725727	47.068	ug/l	95
74) N-amyl acetate	10.90	43	284897	46.743	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	240576	45.581	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	200839m	45.459	ug/l	
77) Bromobenzene	11.25	156	201307	47.477	ug/l	82
78) n-propylbenzene	11.36	91	824144	48.012	ug/l	94
79) 2-Chlorotoluene	11.42	91	483994	46.946	ug/l	92
80) 1,3,5-Trimethylbenzene	11.51	105	615972	47.431	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	94124	47.071	ug/l #	83
82) 4-Chlorotoluene	11.51	91	563627	48.127	ug/l	93
83) tert-Butylbenzene	11.77	119	625455	47.583	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	621345	47.367	ug/l	95
85) sec-Butylbenzene	11.94	105	730407	47.696	ug/l	96
86) p-Isopropyltoluene	12.06	119	685621	48.974	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	357316	47.843	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	352240	46.786	ug/l	98
89) n-Butylbenzene	12.38	91	605557	50.251	ug/l	97
90) Hexachloroethane	12.59	117	133681	47.935	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	347900	47.915	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	53698	43.235	ug/l	69

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QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	256395	48.241	ug/l	100
94) Hexachlorobutadiene	13.78	225	113541	48.036	ug/l	98
95) Naphthalene	13.83	128	769608	46.000	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	249903	47.555	ug/l	100

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

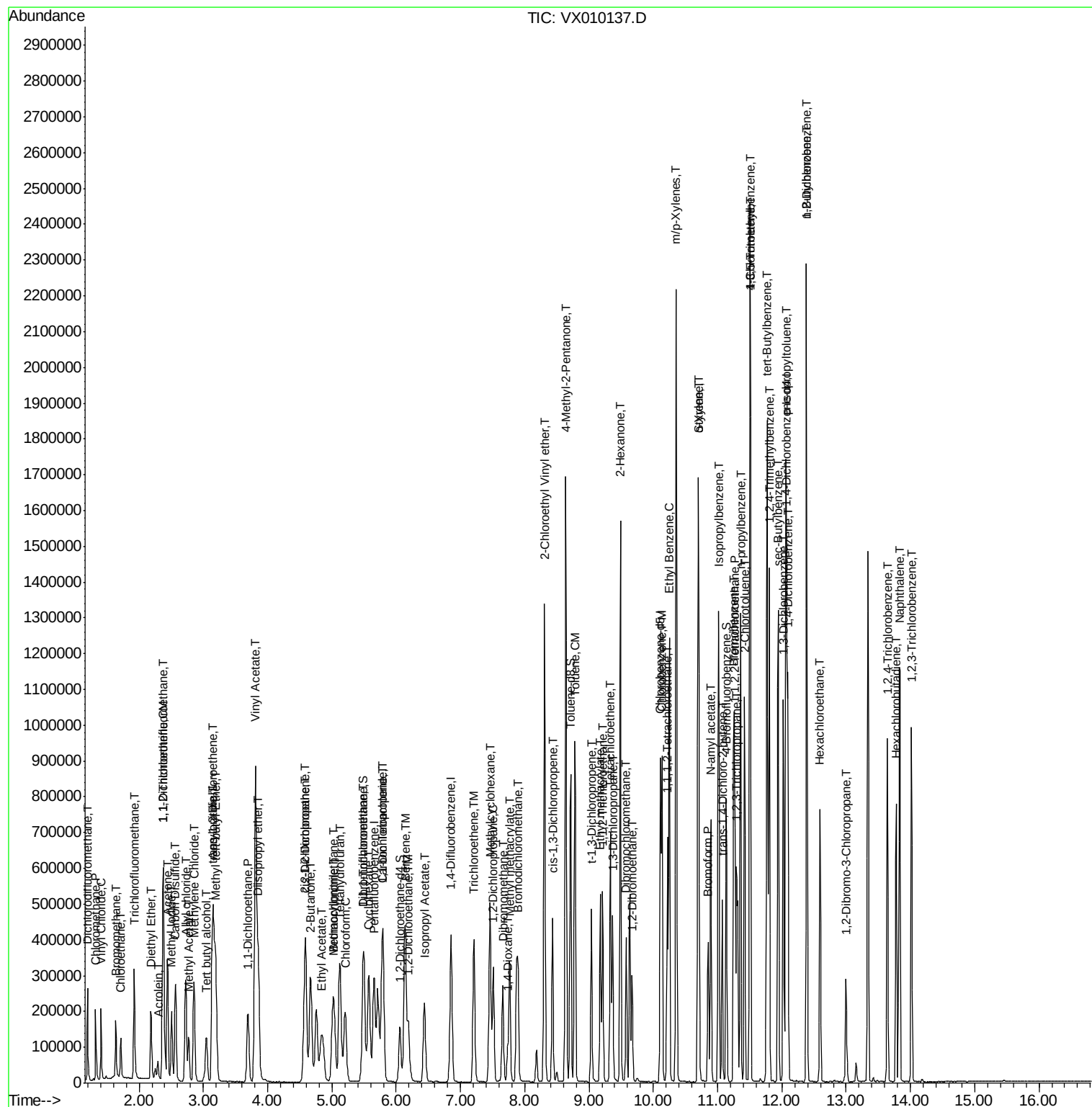
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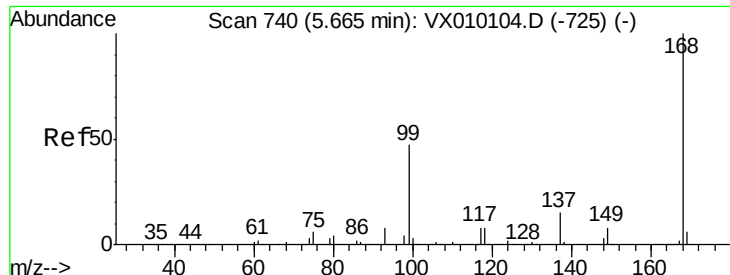
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 310575

Ion Ratio Lower Upper

168 100

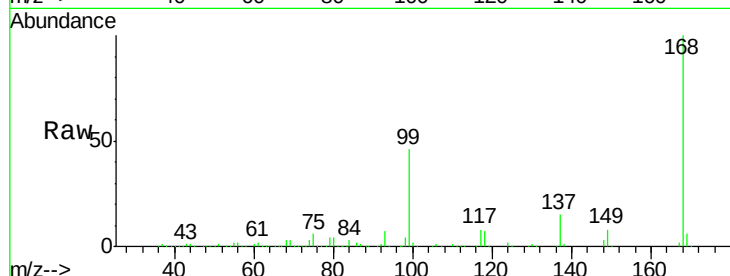
99 46.0 43.0 64.6

Manual Integrations

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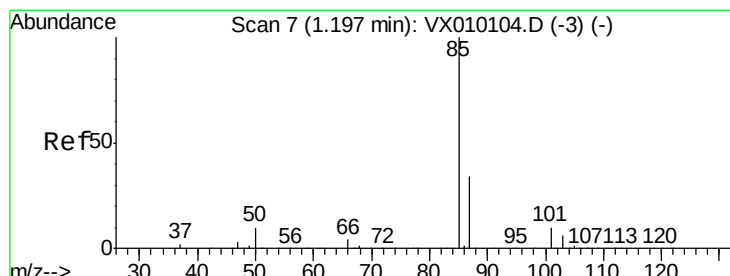
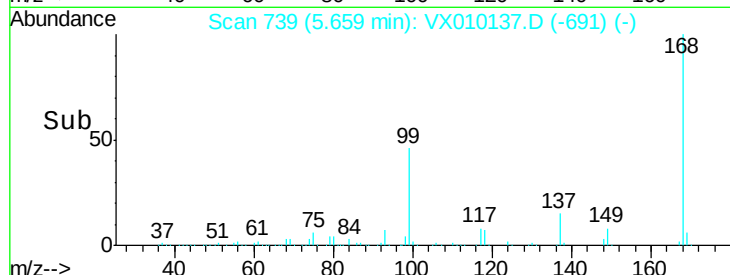
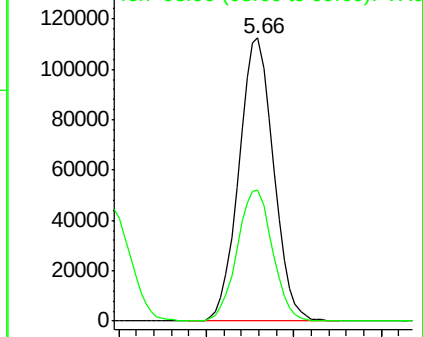
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.476 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010137.D

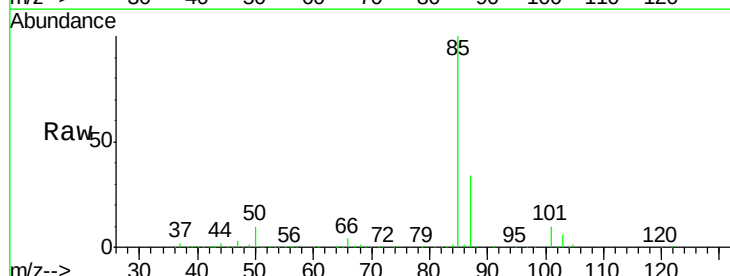
Acq: 08 Jun 2019 14:38

Tgt Ion: 85 Resp: 147104

Ion Ratio Lower Upper

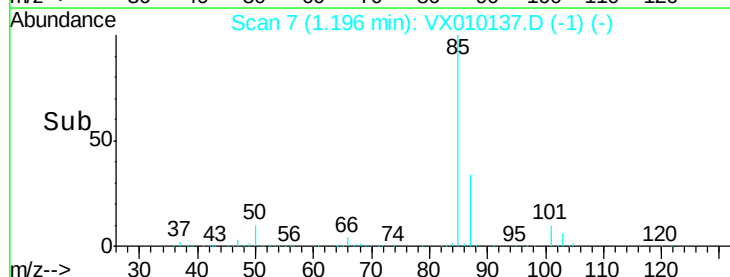
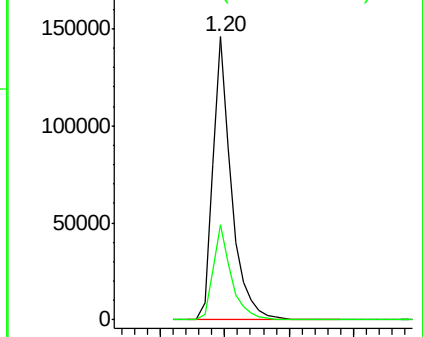
85 100

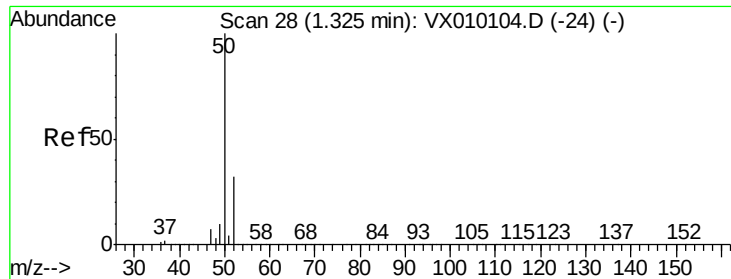
87 33.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.986 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 139025

Ion Ratio Lower Upper

50 100

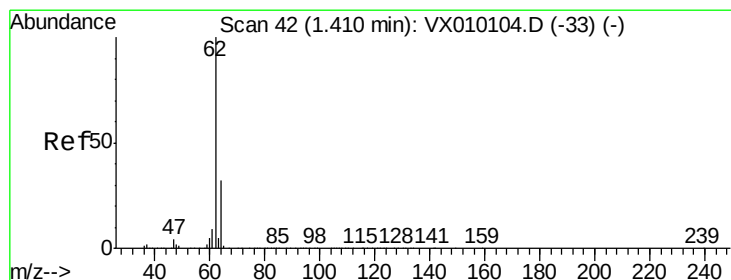
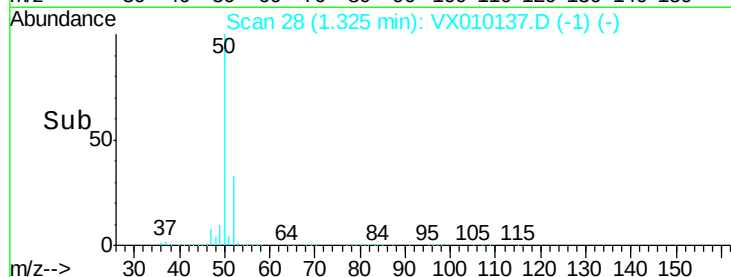
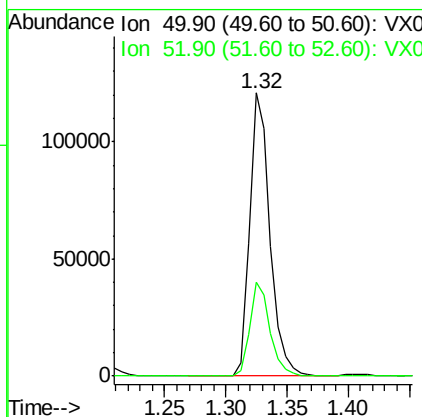
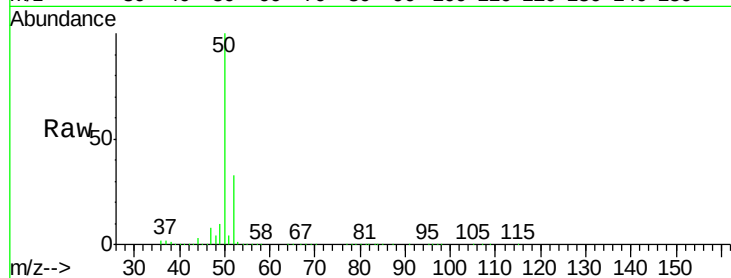
52 33.0 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.607 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010137.D

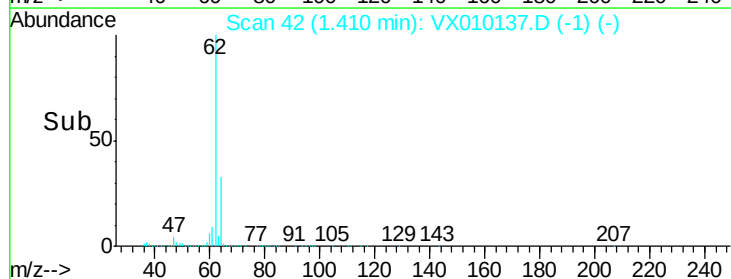
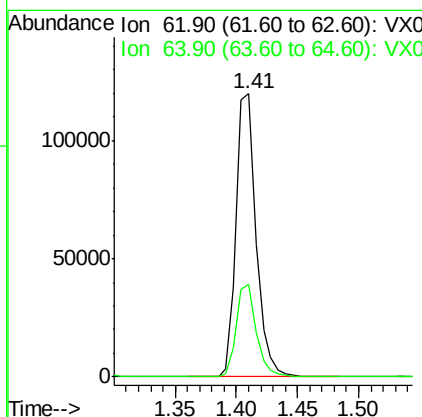
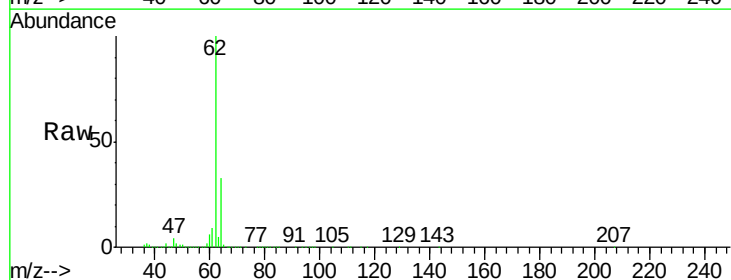
Acq: 08 Jun 2019 14:38

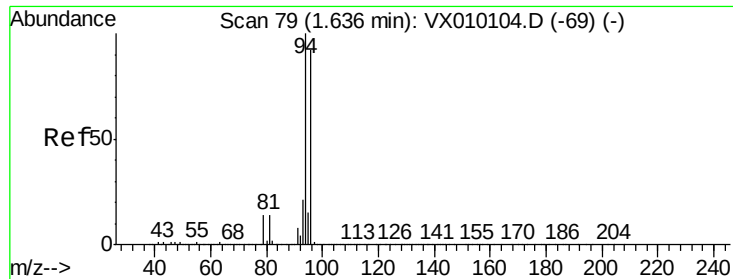
Tgt Ion: 62 Resp: 134989

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 51.656 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 51994

Ion Ratio Lower Upper

94 100

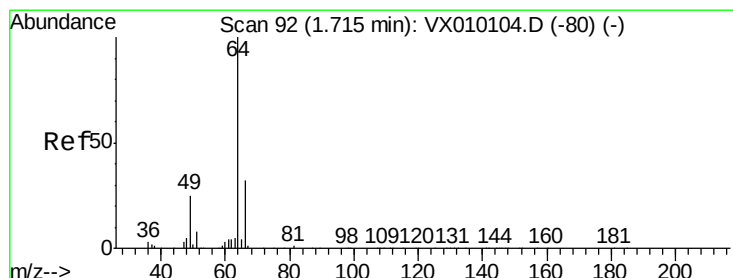
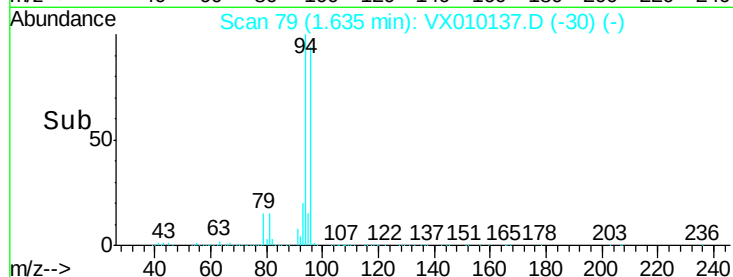
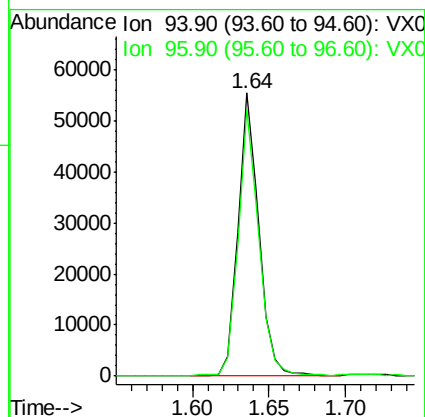
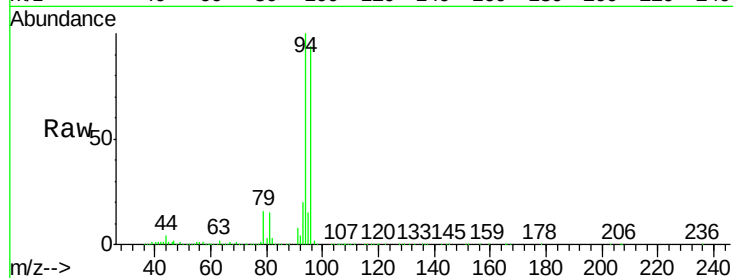
96 94.2 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 54.365 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010137.D

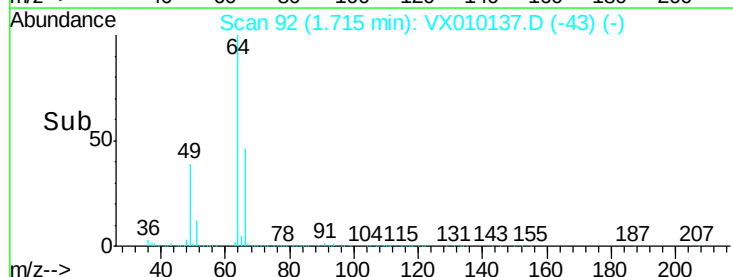
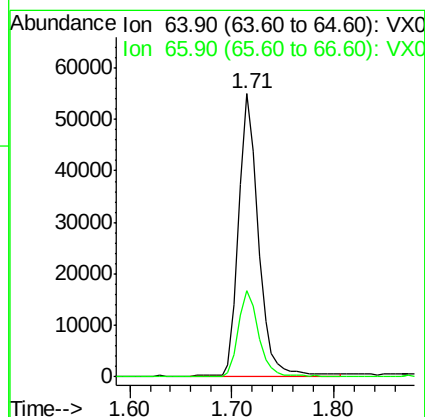
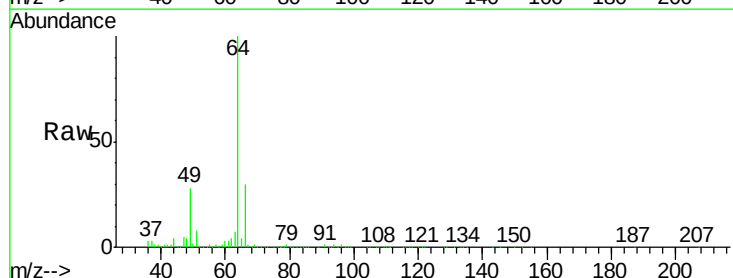
Acq: 08 Jun 2019 14:38

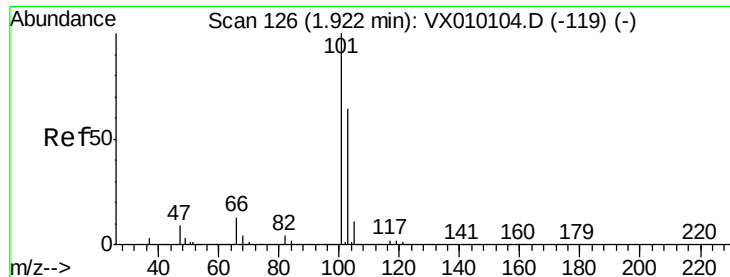
Tgt Ion: 64 Resp: 73112

Ion Ratio Lower Upper

64 100

66 30.4 25.1 37.7





#7

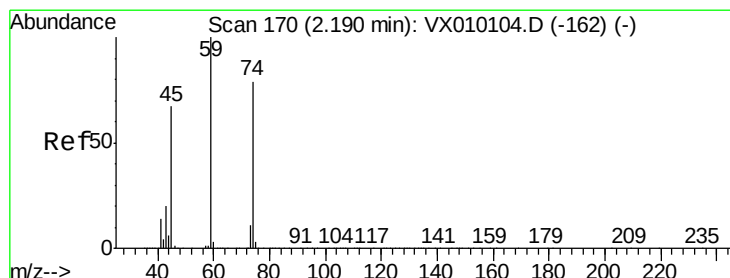
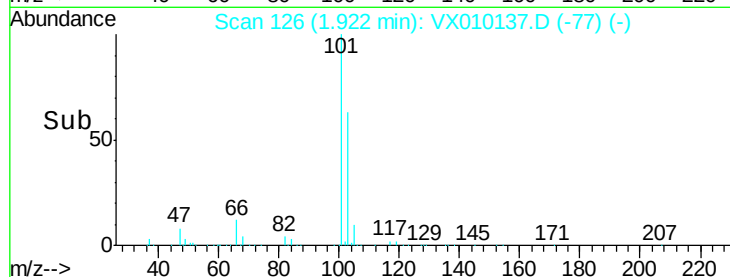
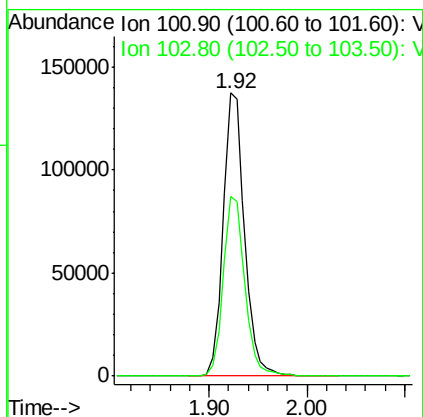
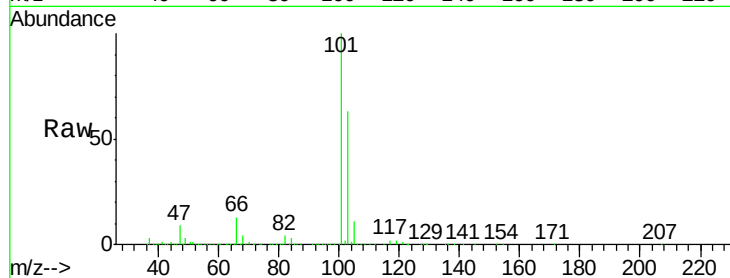
Trichlorofluoromethane
Concen: 52.390 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.2	78.4

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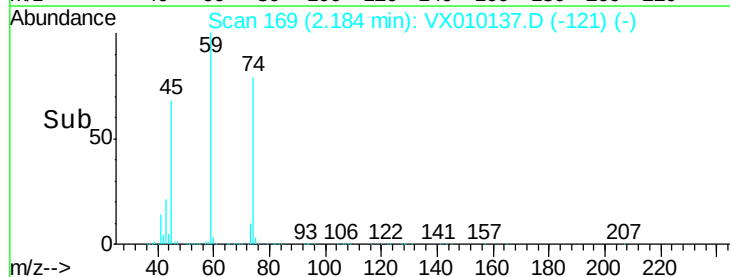
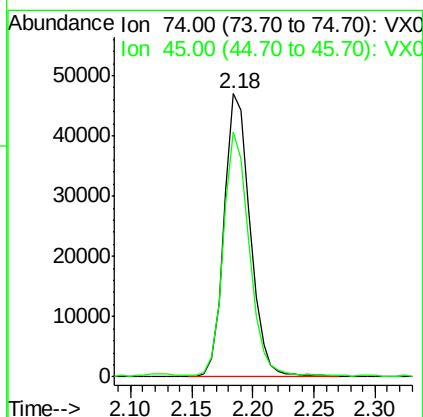
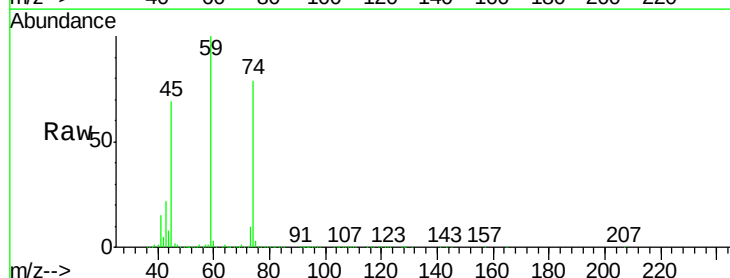
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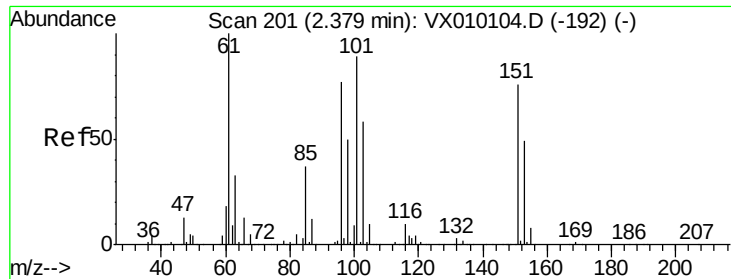


#8

Diethyl Ether
Concen: 50.783 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.1	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.562 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

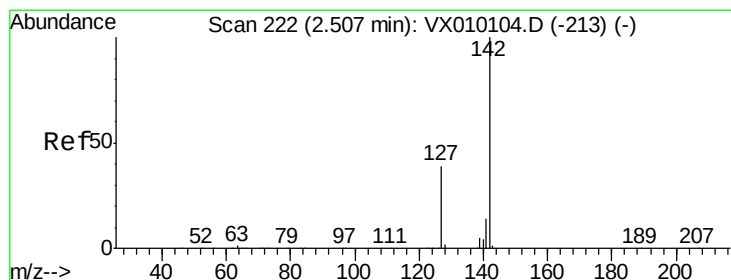
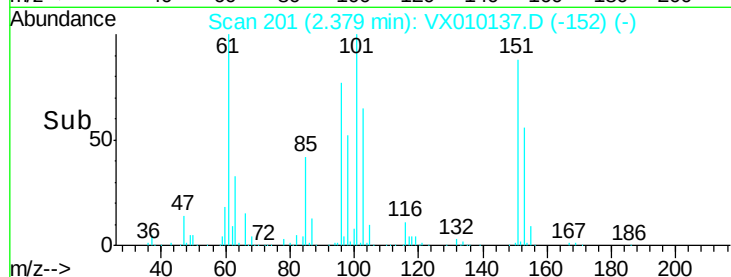
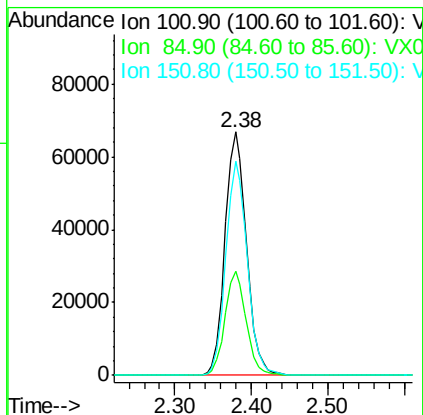
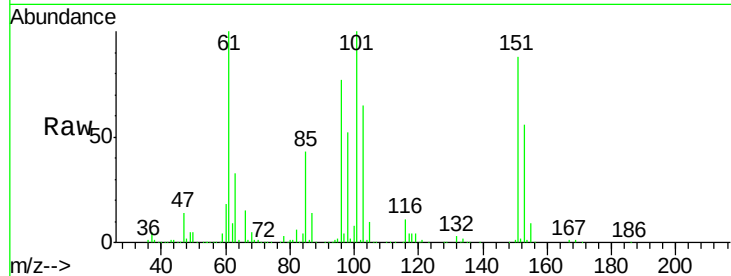
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	129901
Ion Ratio	Lower	Upper	
101	100		
85	41.9	35.2	52.8
151	87.7	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 48.306 ug/l

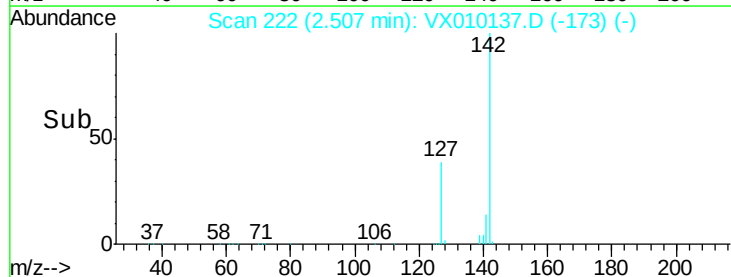
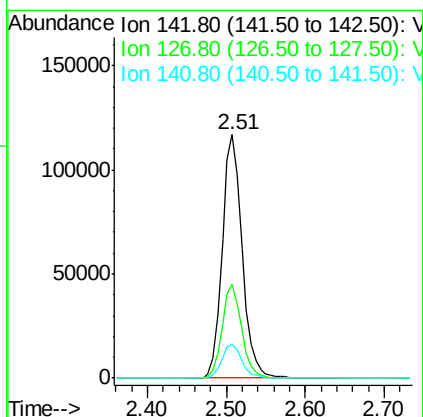
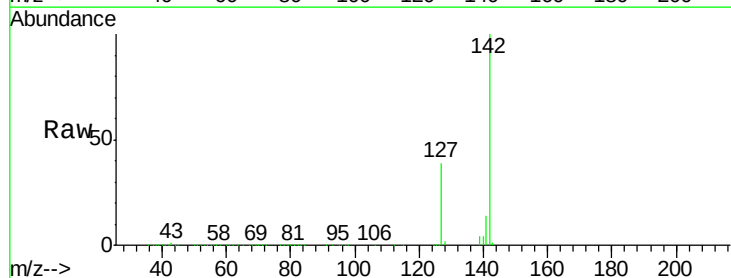
RT: 2.51 min Scan# 222

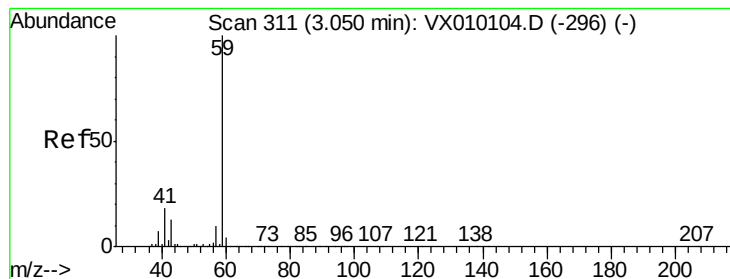
Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Tgt Ion:	142	Resp:	204416
Ion Ratio	Lower	Upper	
142	100		
127	38.1	33.0	49.4
141	14.0	11.4	17.0





#11

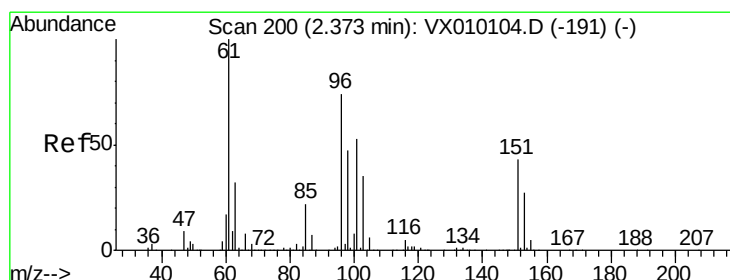
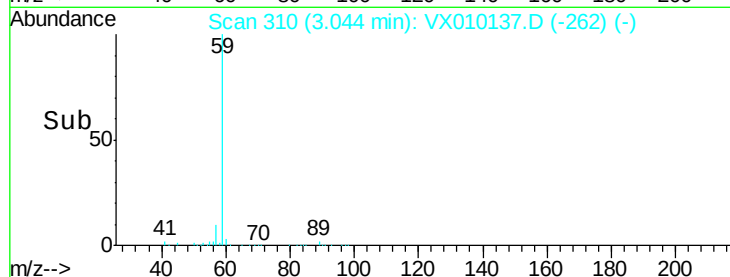
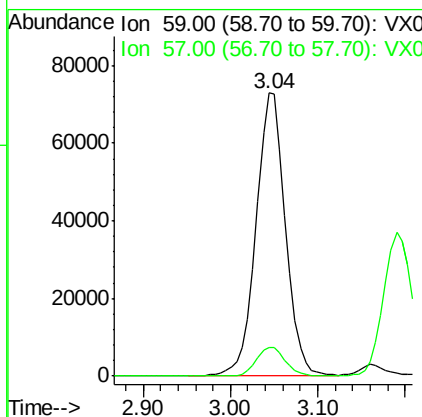
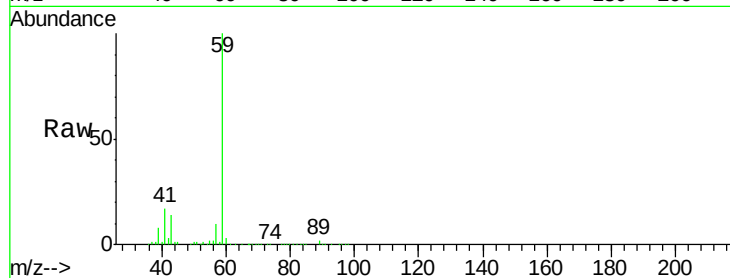
Tert butyl alcohol
Concen: 230.075 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	170865		
57	9.6		8.2	12.2

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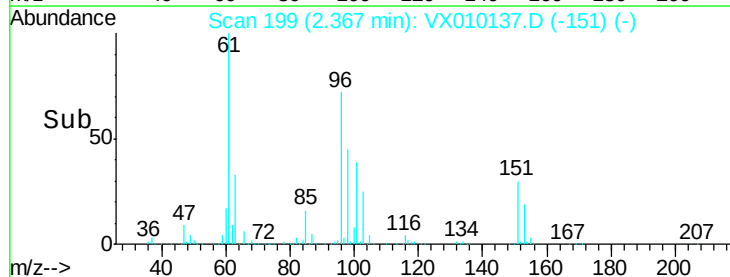
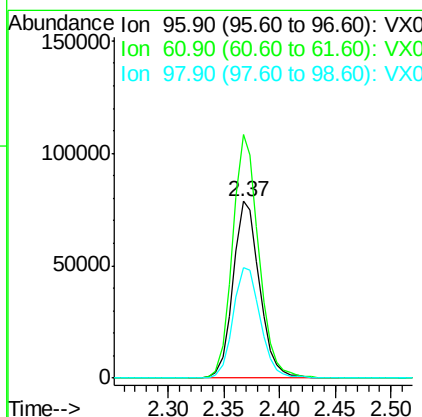
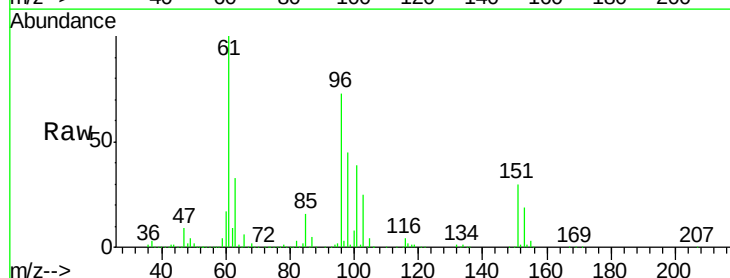
MMDadoda
6/10/2019 9:43:40 AM

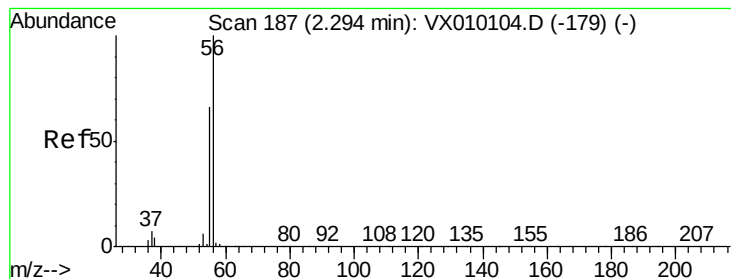


#12

1,1-Dichloroethene
Concen: 46.220 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	128937		
61	138.1		140.7	211.1#
98	62.4		50.1	75.1





#13

Acrolein

Concen: 270.827 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 36674

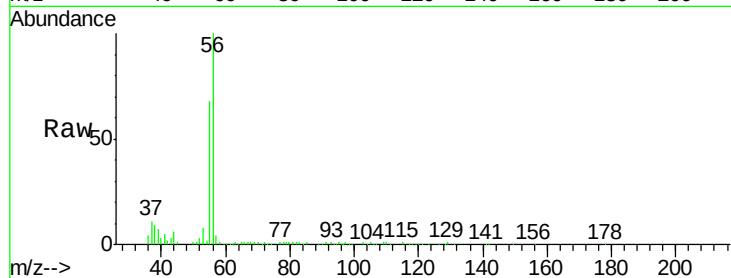
Ion Ratio Lower Upper

56 100

55 71.0 57.0 85.4

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

10000

5000

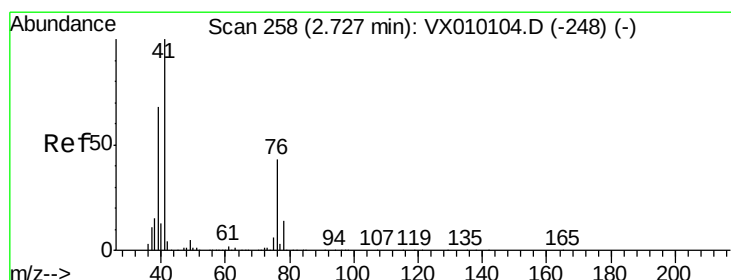
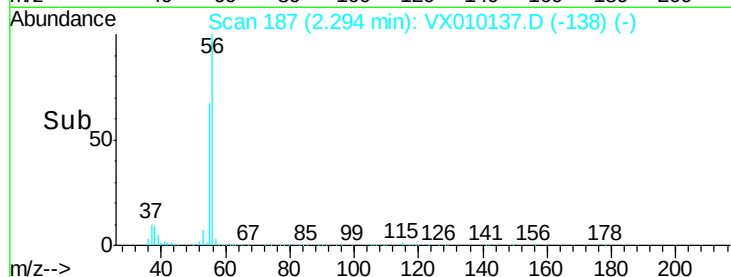
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 45.567 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

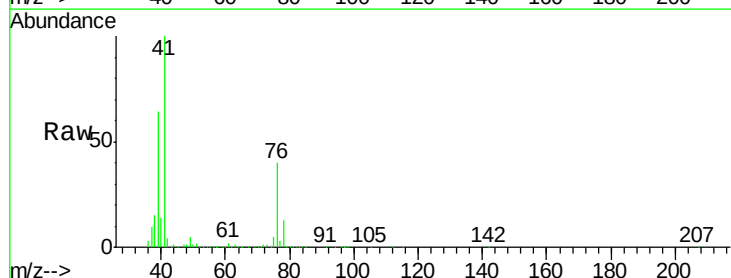
Tgt Ion: 41 Resp: 191879

Ion Ratio Lower Upper

41 100

39 62.7 46.7 70.1

76 39.7 21.0 31.4#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

120000

100000

80000

60000

40000

20000

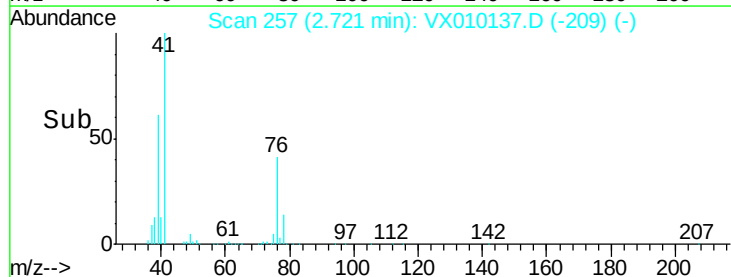
0

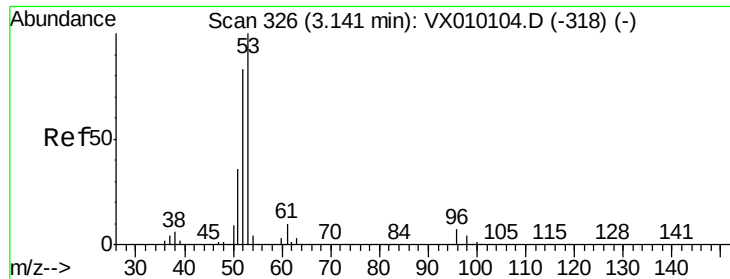
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 227.828 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

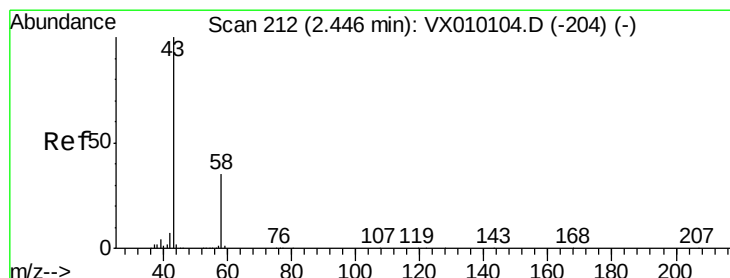
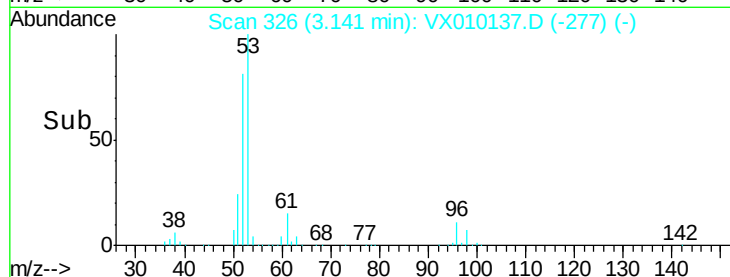
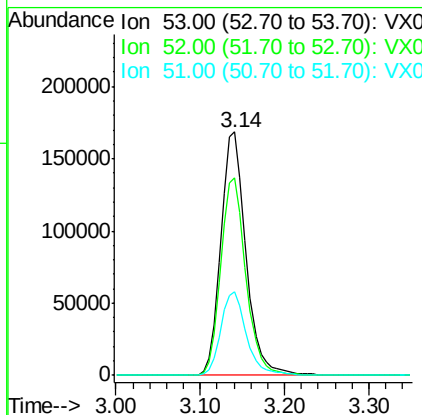
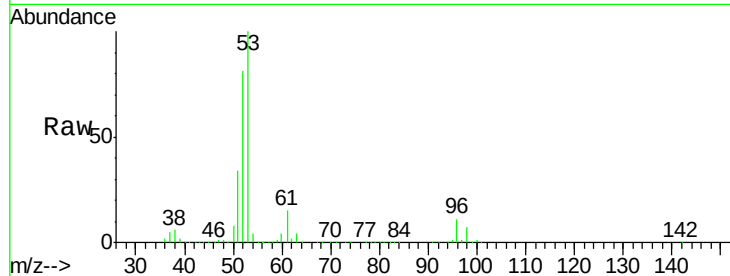
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	345834
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.7	100.1
51	34.9	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 242.610 ug/l

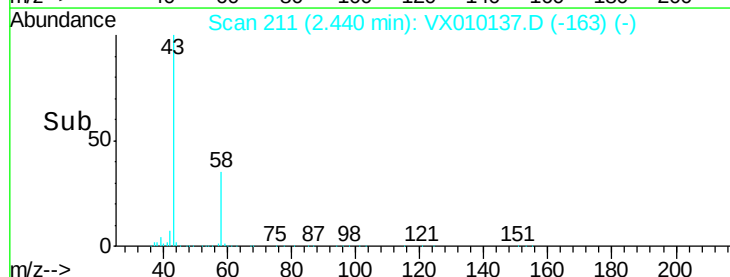
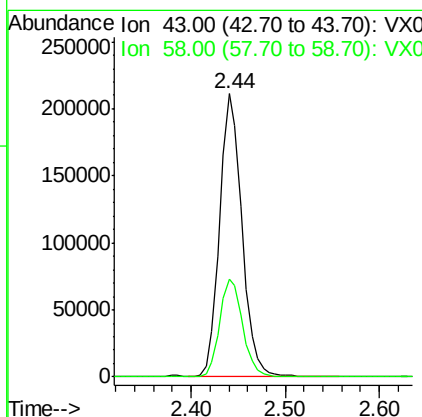
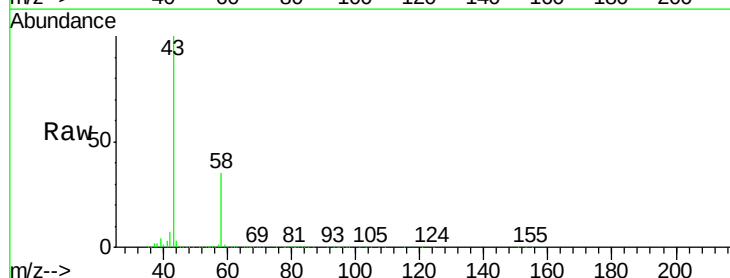
RT: 2.44 min Scan# 211

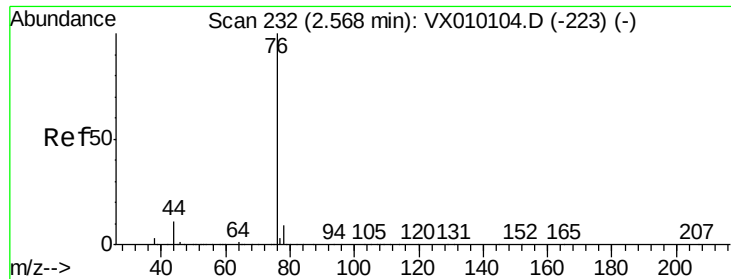
Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Tgt Ion:	43	Resp:	345930
Ion	Ratio	Lower	Upper
43	100		
58	34.8	23.2	34.8





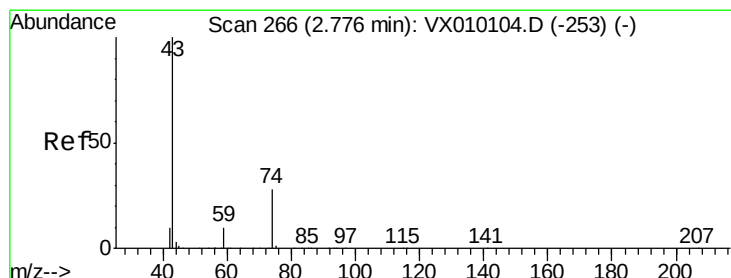
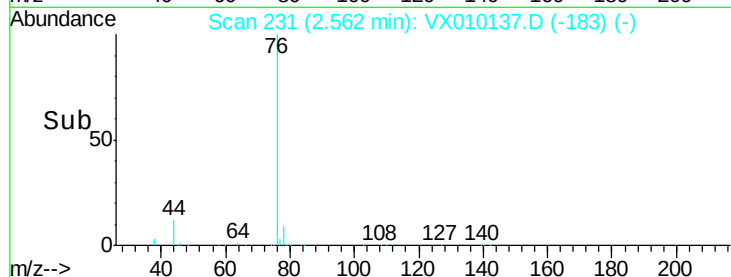
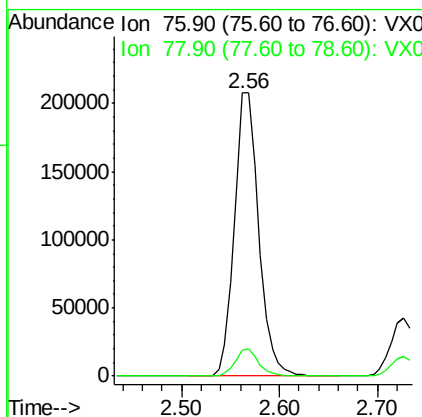
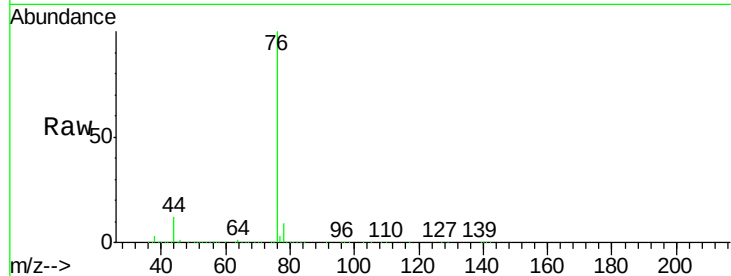
#17
Carbon Disulfide
Concen: 44.628 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

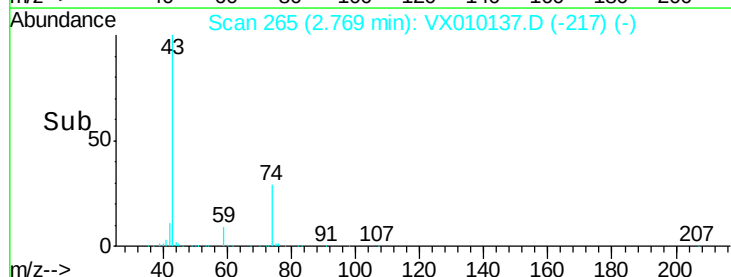
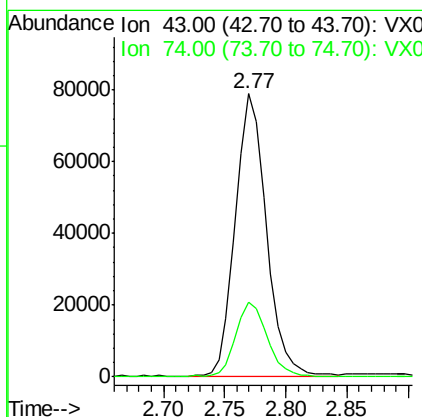
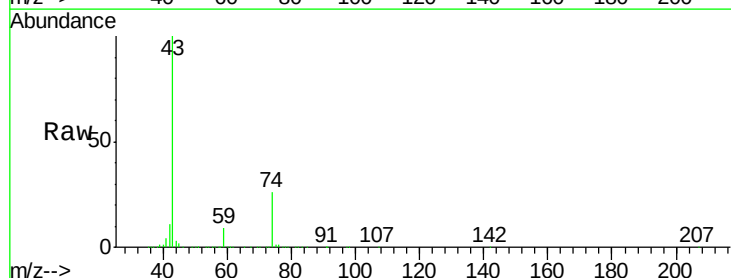
Manual Integrations
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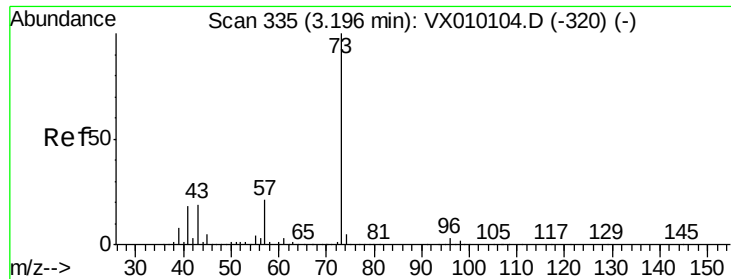
MMDadoda
6/10/2019 9:43:40 AM



#18
Methyl Acetate
Concen: 44.020 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

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





#19

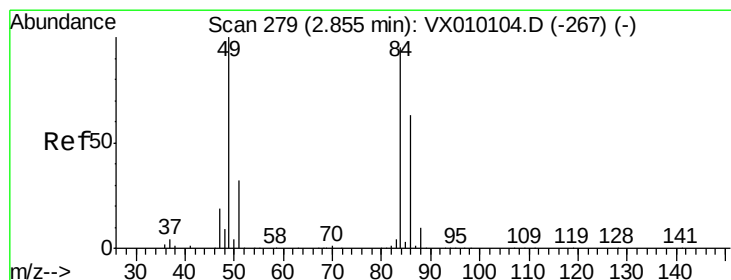
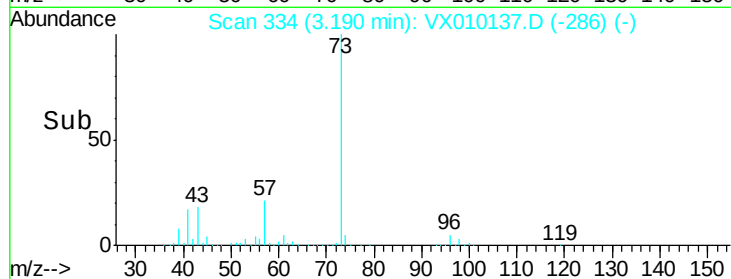
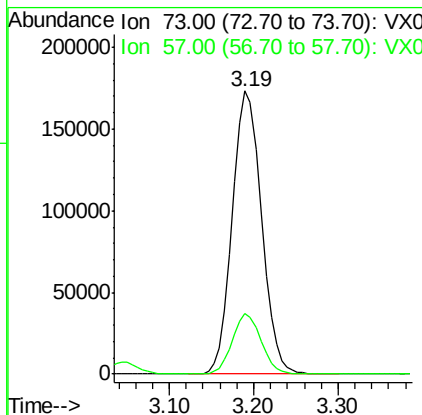
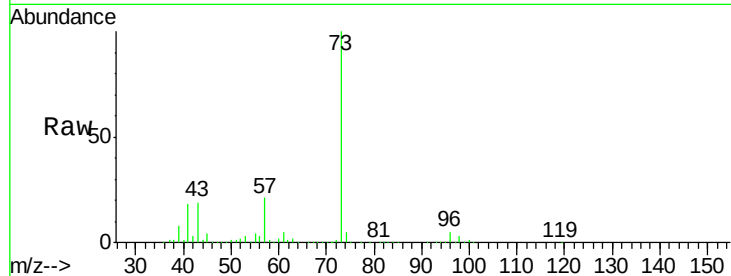
Methyl tert-butyl Ether
 Concen: 45.498 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	19.4	29.2

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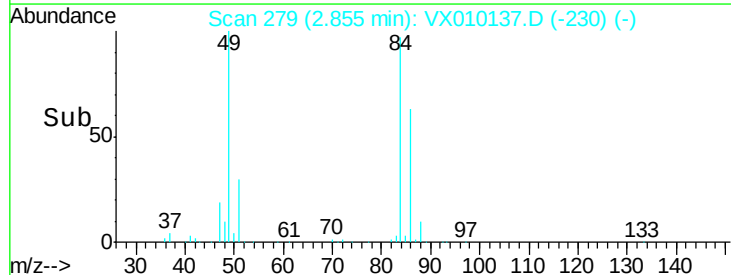
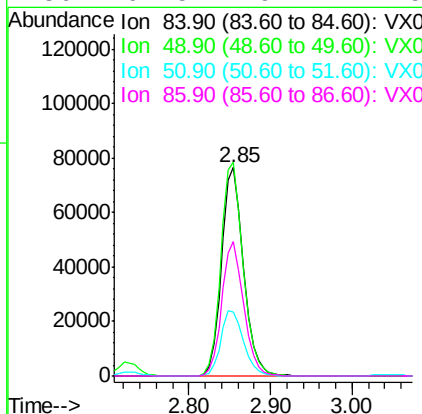
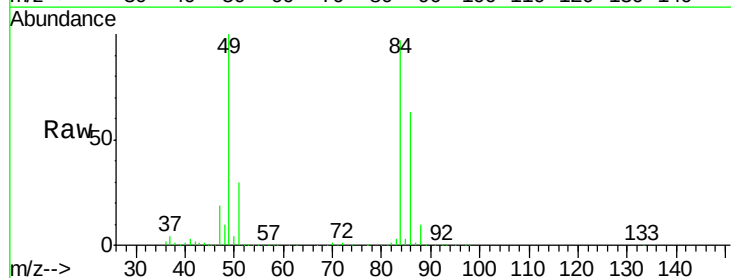
MMDadoda
 6/10/2019 9:43:40 AM

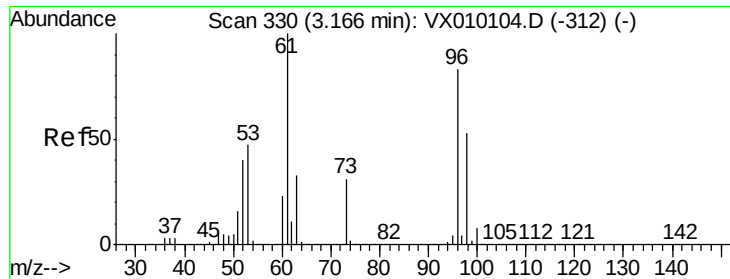


#20

Methylene Chloride
 Concen: 45.615 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	102.5	115.8	173.6#
51	30.8	34.4	51.6#
86	64.5	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 45.229 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

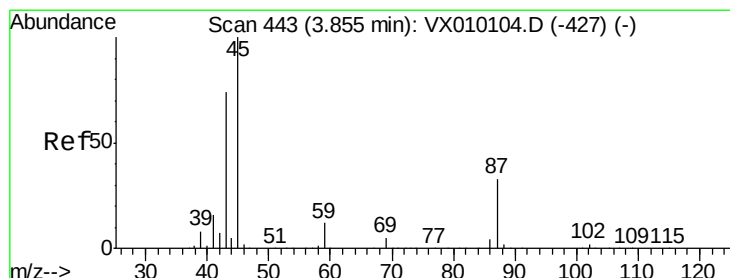
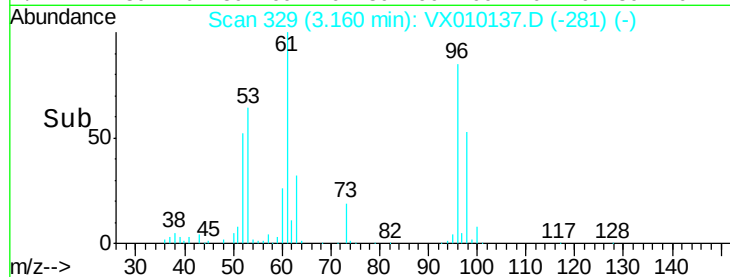
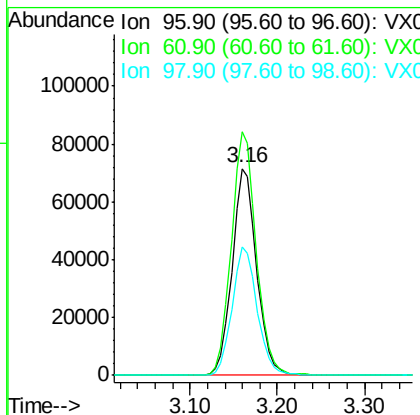
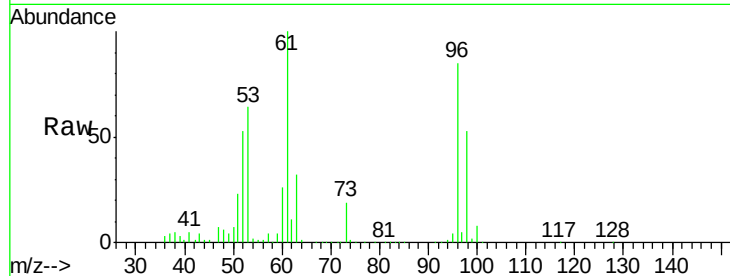
VSTDCCC050

Tot Ion: 96 Resp: 139630

Ion	Ratio	Lower	Upper
96	100		
61	117.9	125.7	188.5#
98	61.9	49.0	73.6

Manual Integrations
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6/10/2019 9:43:40 AM



#22

Diisopropyl ether

Concen: 47.329 ug/l

RT: 3.85 min Scan# 443

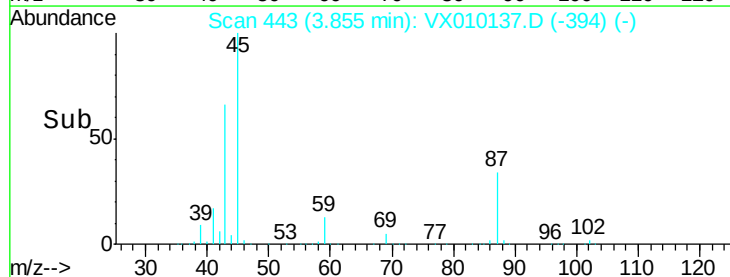
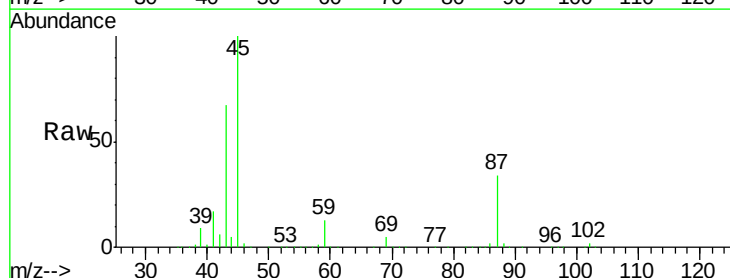
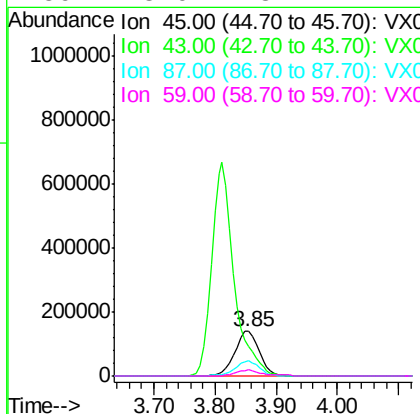
Delta R.T. -0.00 min

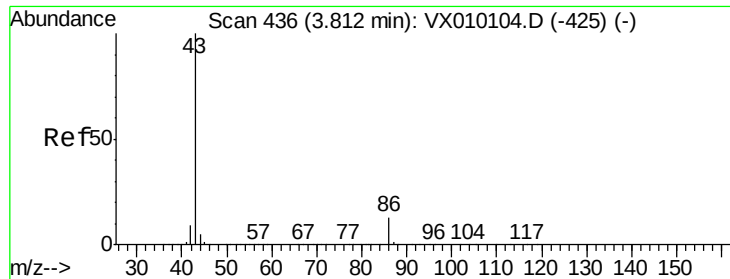
Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Tgt Ion: 45 Resp: 381044

Ion	Ratio	Lower	Upper
45	100		
43	66.2	65.0	97.4
87	33.8	17.3	25.9#
59	13.0	8.1	12.1#





#23

Vinyl Acetate

Concen: 237.839 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1708233

Ion Ratio Lower Upper

43 100

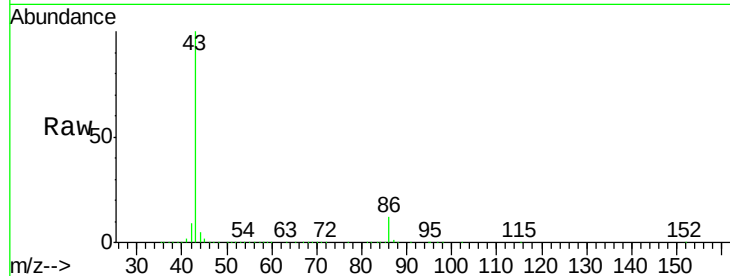
86 12.4 6.5 9.7#

Manual Integrations

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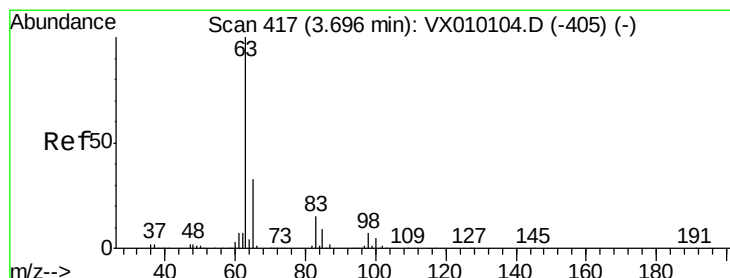
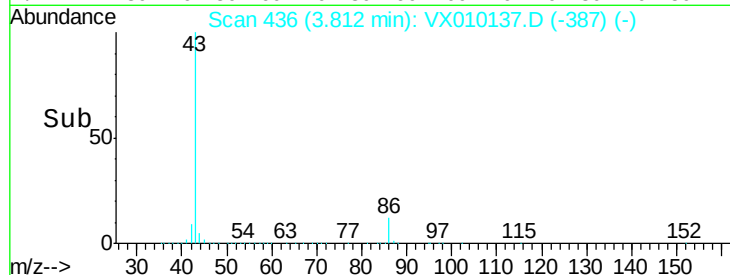
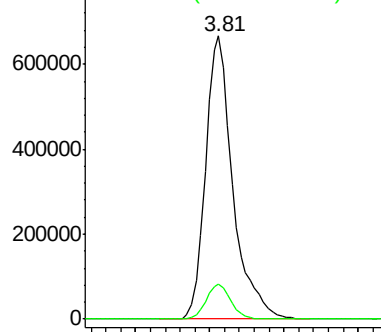
MMDadoda

6/10/2019 9:43:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 45.875 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

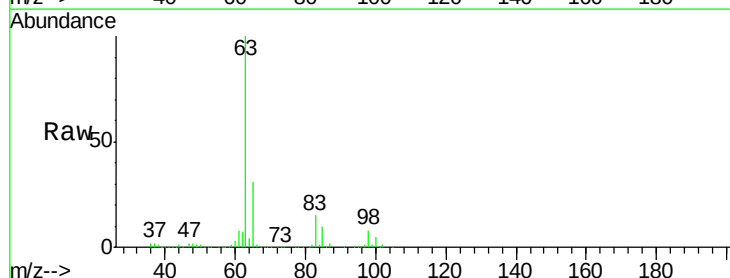
Tgt Ion: 63 Resp: 224248

Ion Ratio Lower Upper

63 100

98 7.8 2.9 8.8

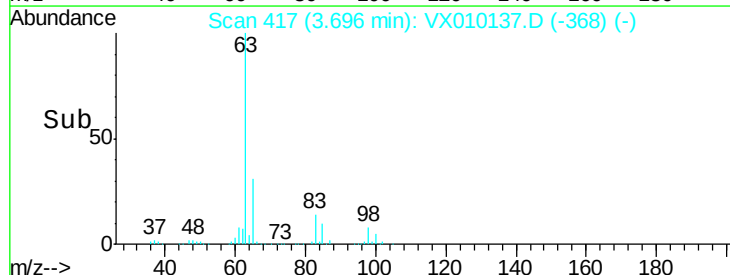
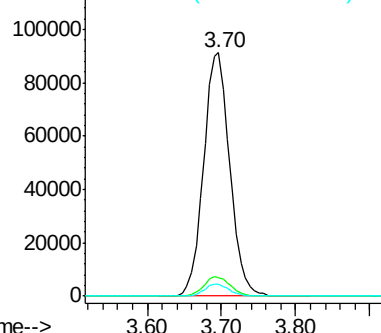
100 5.1 1.8 5.4

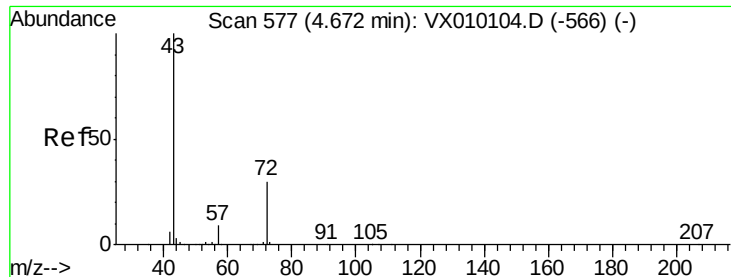


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 237.185 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 503603

Ion Ratio Lower Upper

43 100

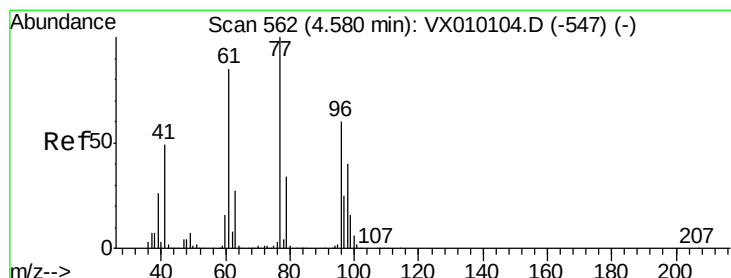
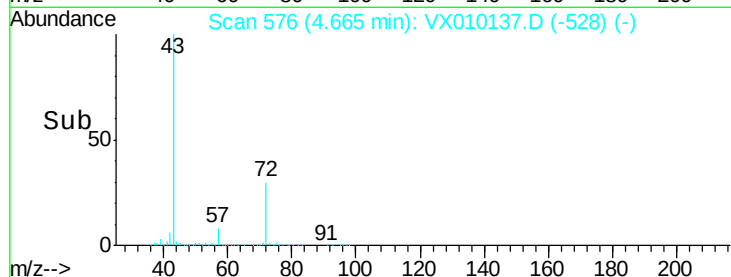
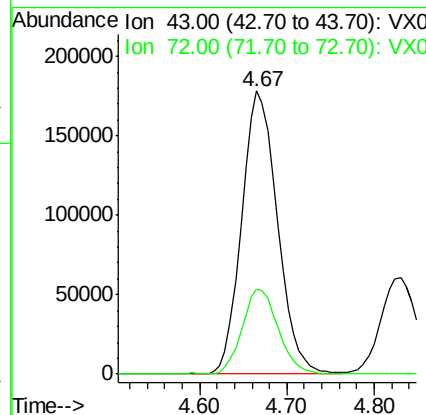
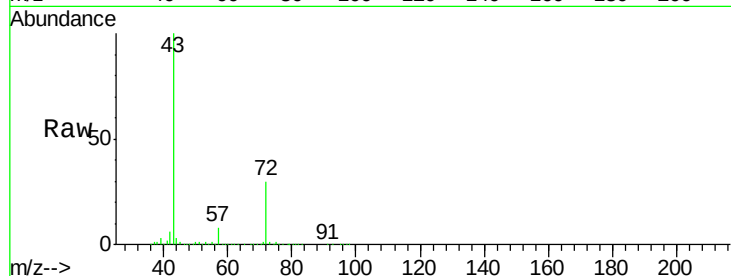
72 30.0 17.5 26.3#

Manual Integrations

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MMDadoda

6/10/2019 9:43:40 AM



#26

2,2-Dichloropropane

Concen: 46.364 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010137.D

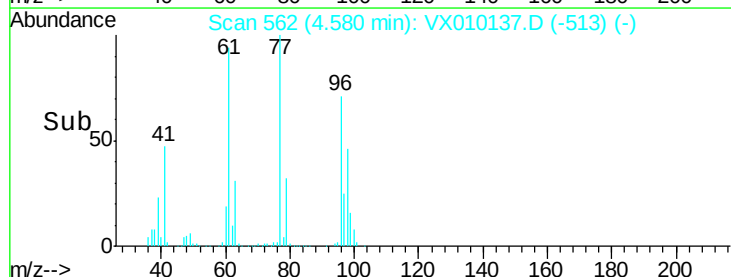
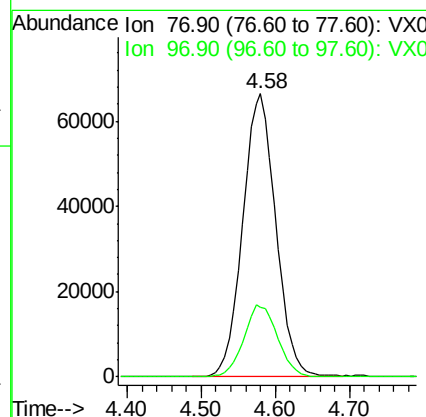
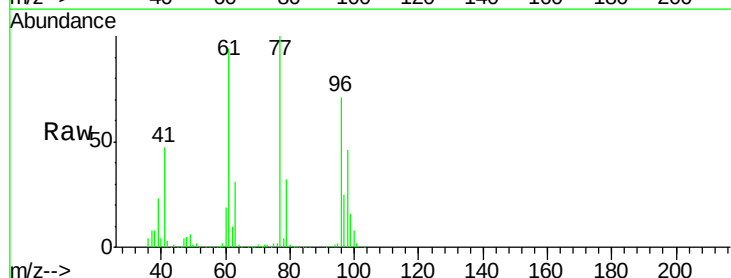
Acq: 08 Jun 2019 14:38

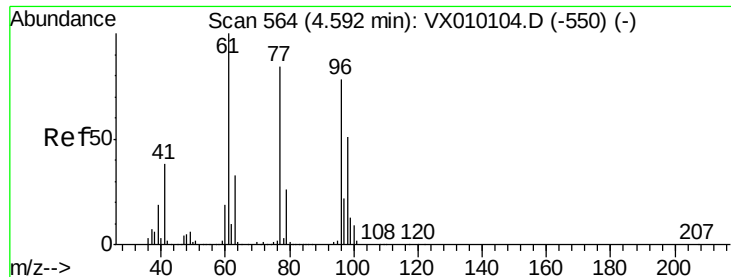
Tgt Ion: 77 Resp: 206755

Ion Ratio Lower Upper

77 100

97 26.0 11.4 34.2





#27

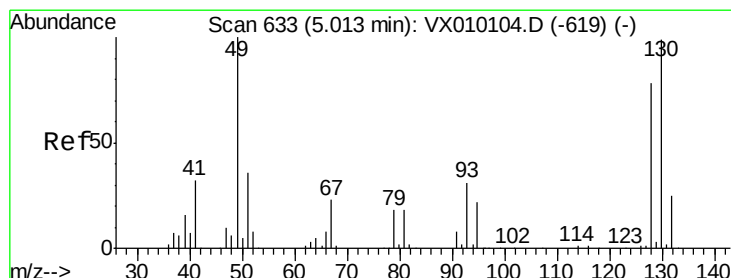
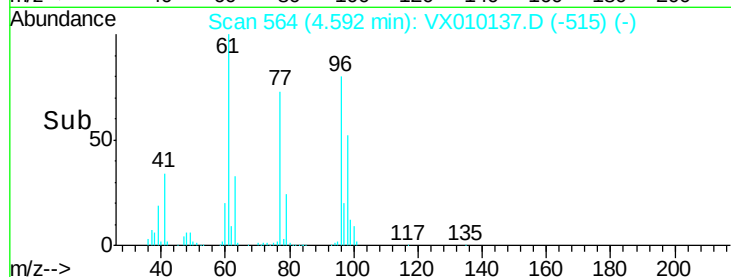
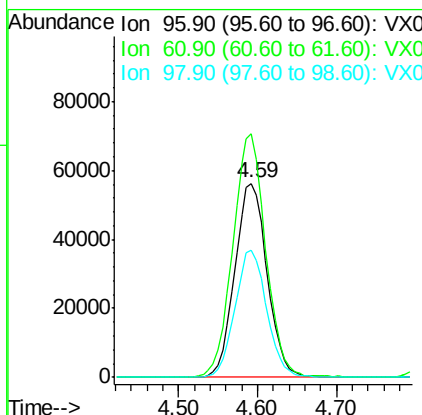
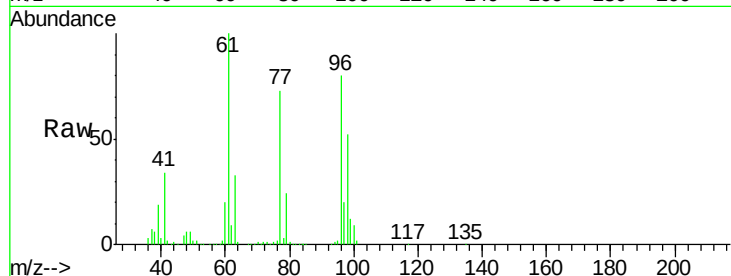
cis-1,2-Dichloroethene
Concen: 46.716 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.6	0.0	334.0
98	64.7	0.0	131.6

Manual Integrations
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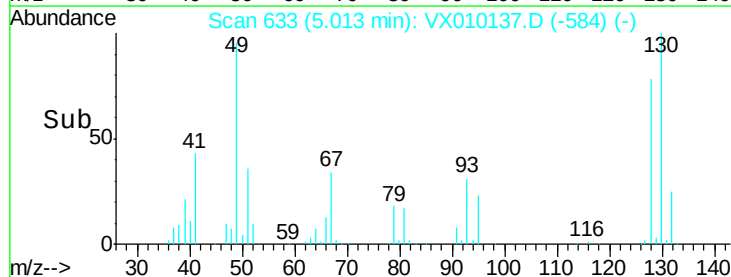
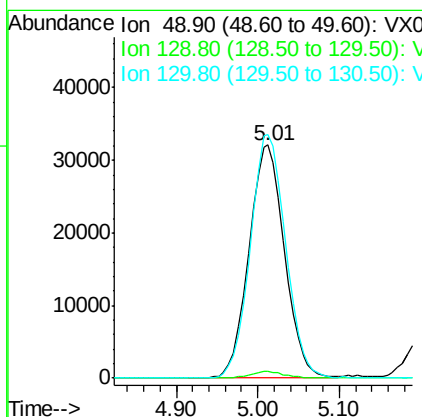
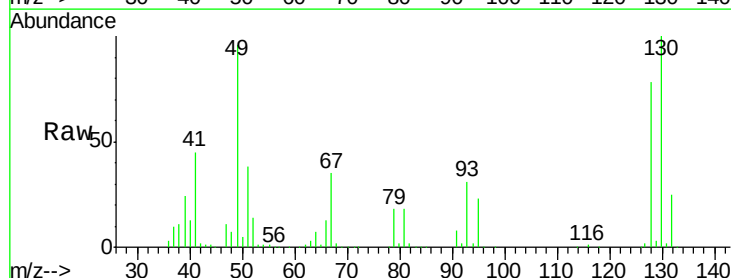
MMDadoda
6/10/2019 9:43:40 AM

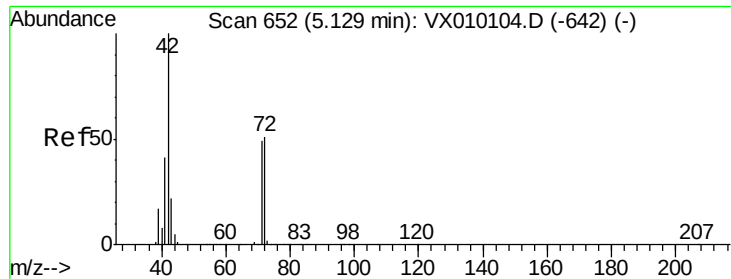


#28

Bromochloromethane
Concen: 44.534 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	3.4
130	103.9	49.4	74.2#





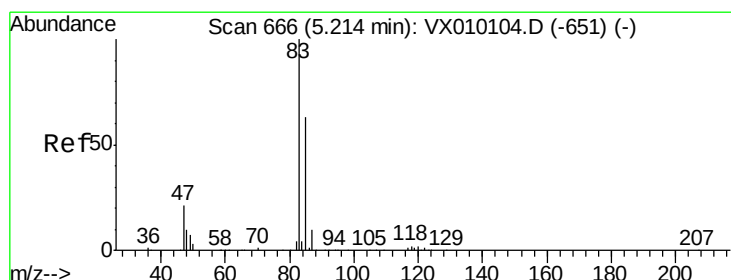
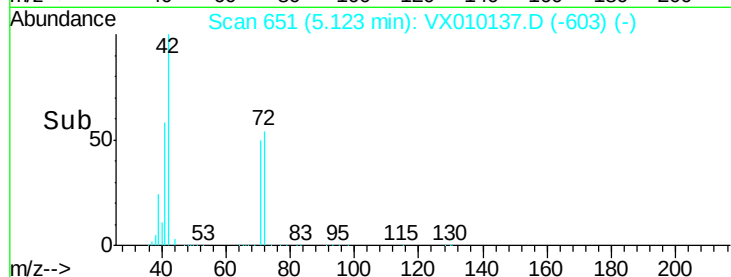
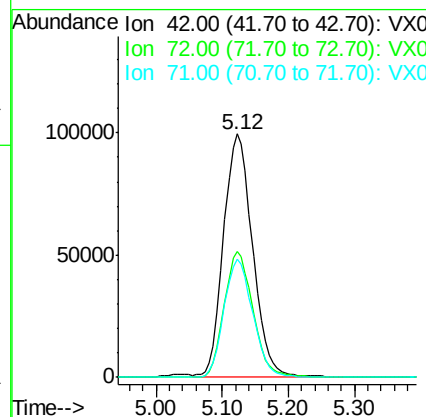
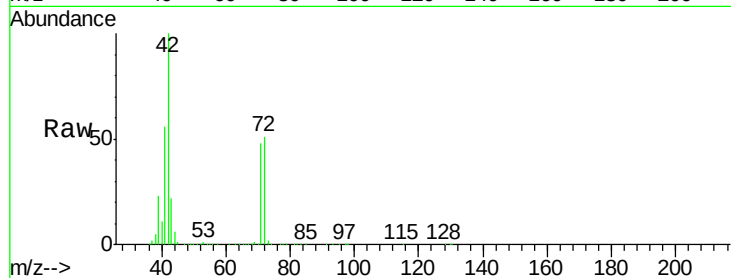
#29
Tetrahydrofuran
Concen: 226.198 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.0	29.2	43.8#
71	48.4	27.6	41.4#

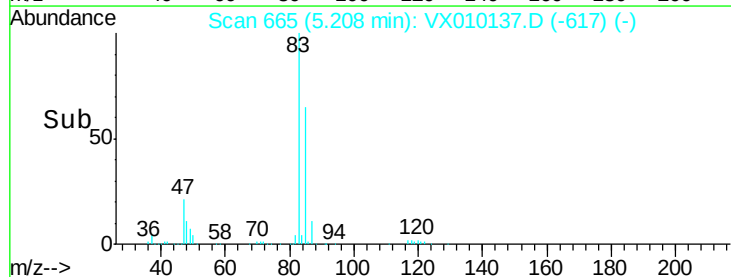
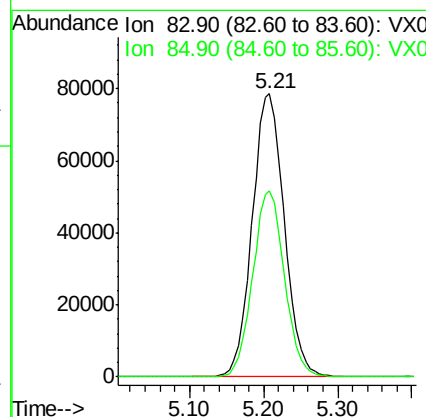
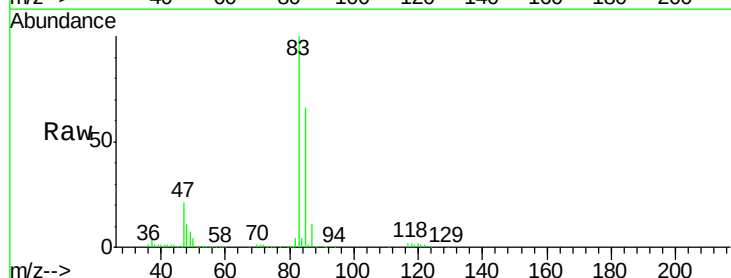
Manual Integrations
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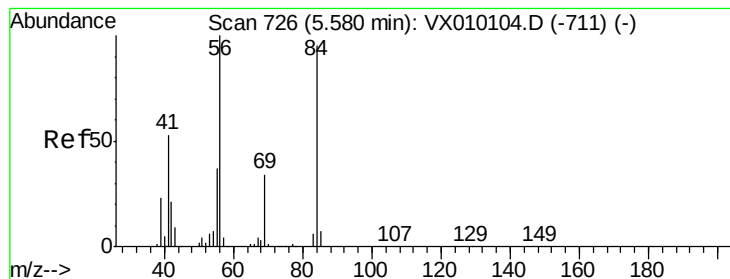
MMDadoda
6/10/2019 9:43:40 AM



#30
Chloroform
Concen: 46.825 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	78.8





#31

Cyclohexane

Concen: 48.173 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

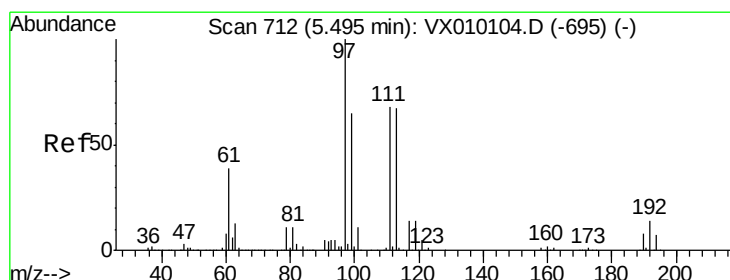
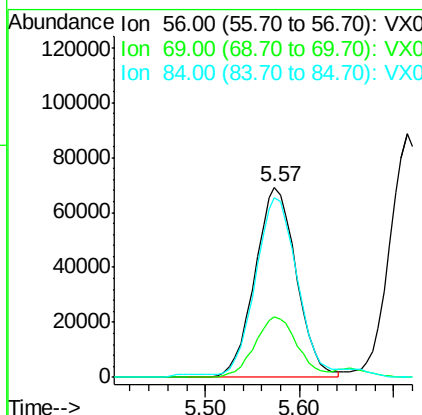
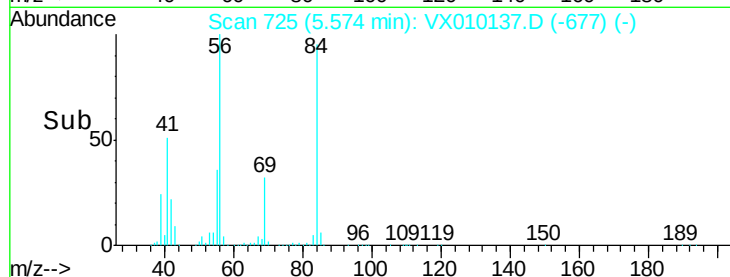
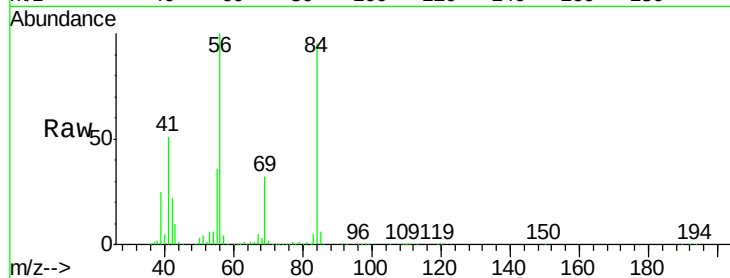
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	21.6	32.4
84	93.1	56.8	85.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.137 ug/l

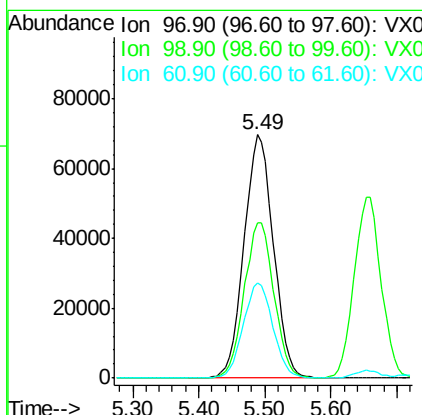
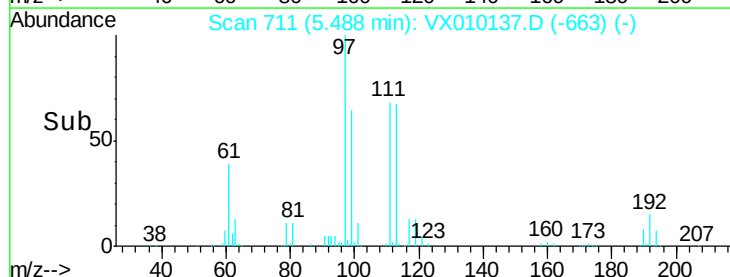
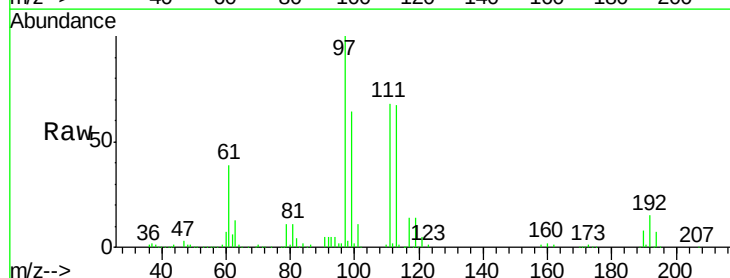
RT: 5.49 min Scan# 711

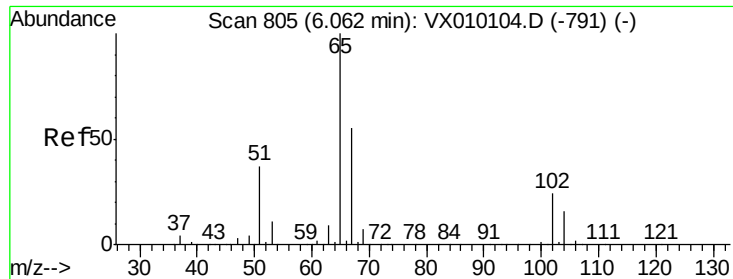
Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	39.5	38.7	58.1





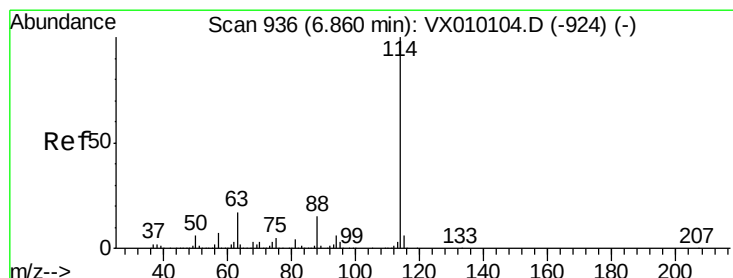
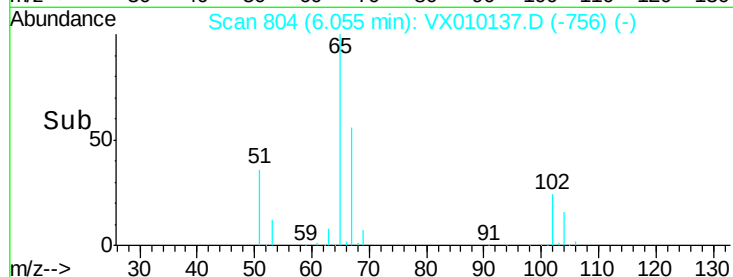
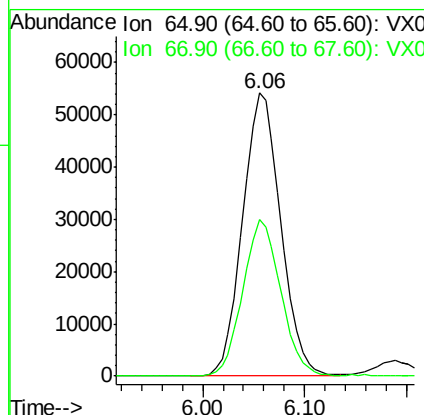
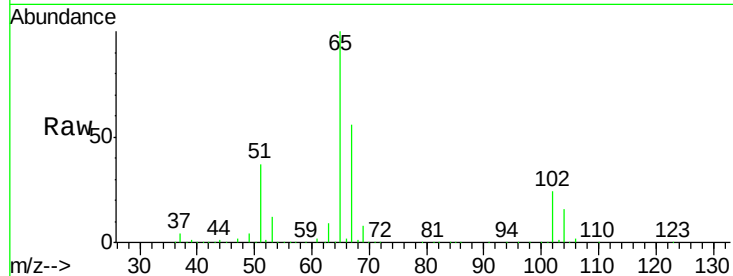
#33
 1,2-Dichloroethane-d4
 Concen: 46.483 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140915		
67	55.2	0.0	108.4	

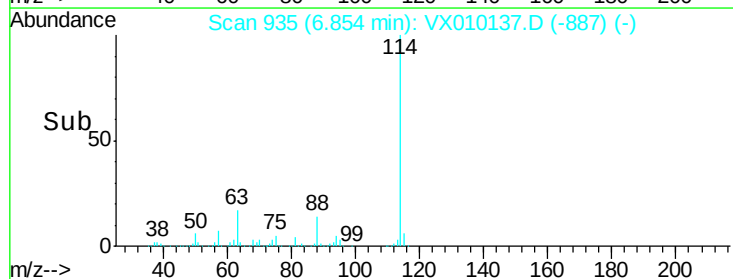
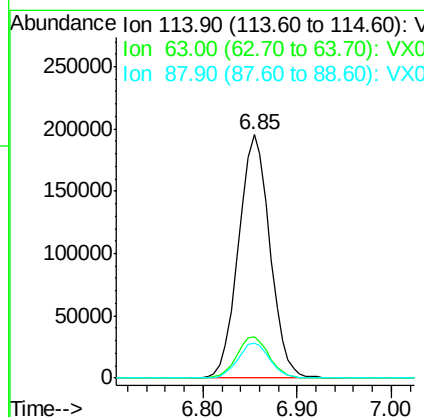
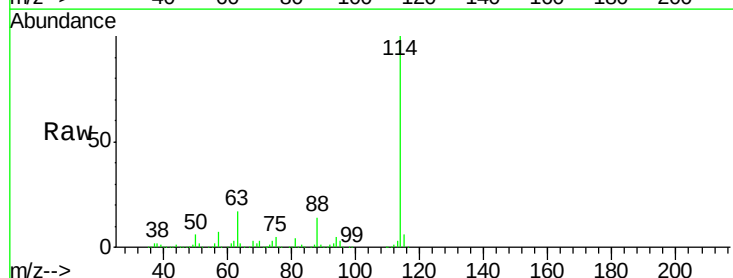
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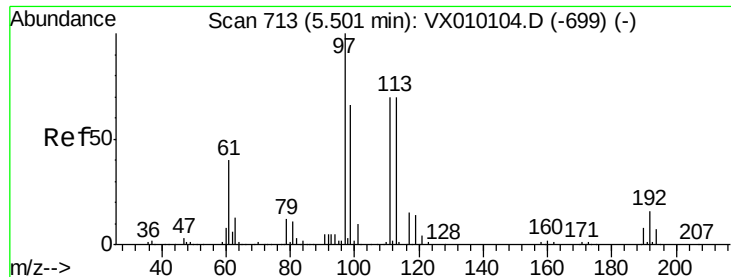
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	451936		
63	17.2	0.0	47.4	
88	14.4	0.0	33.0	





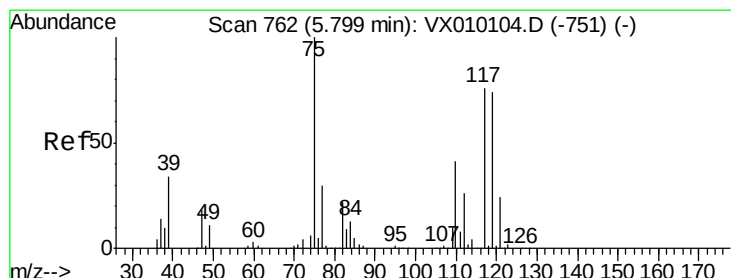
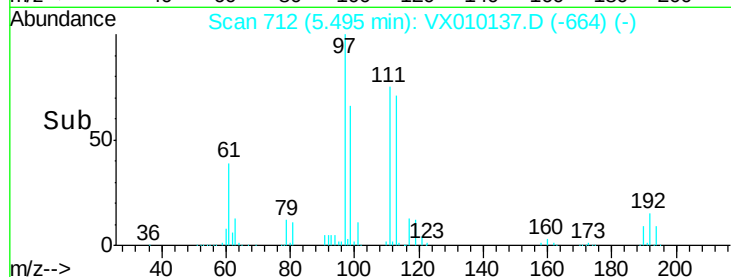
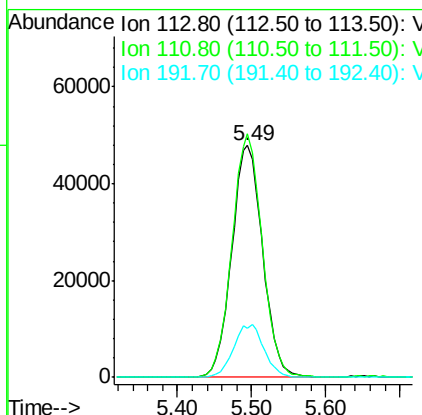
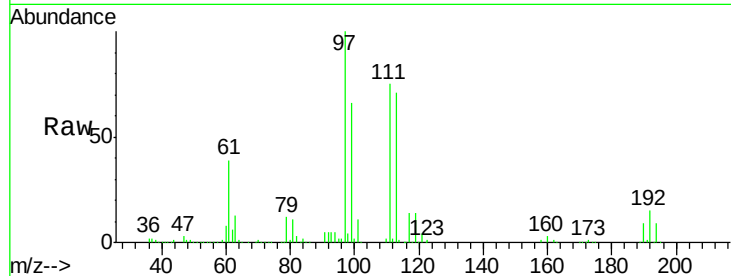
#35
Dibromofluoromethane
Concen: 50.057 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	139541		
111	102.5	82.2	123.2	
192	22.5	17.1	25.7	

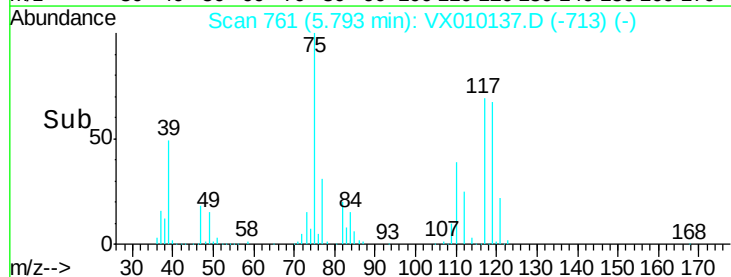
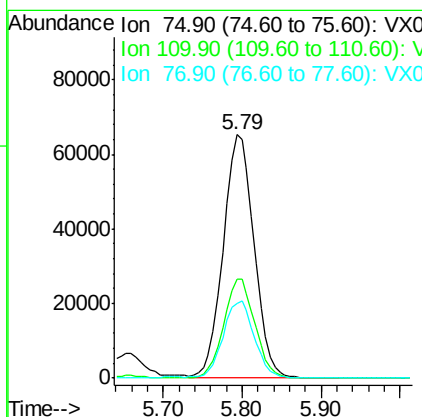
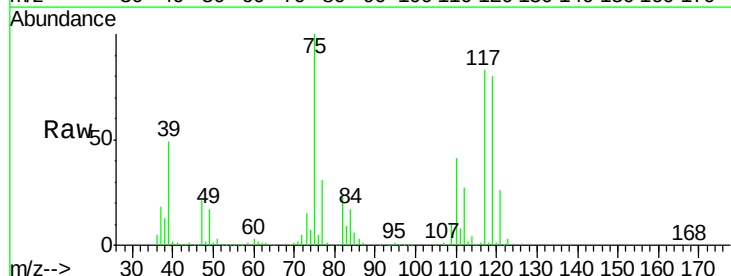
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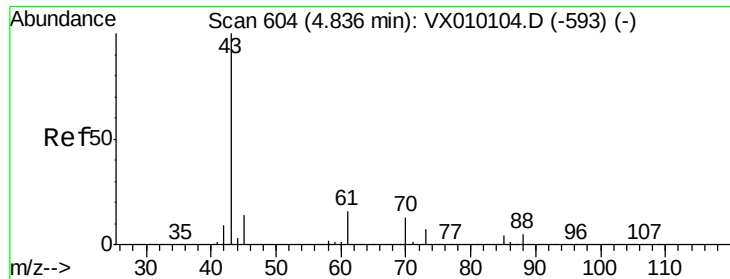
MMDadoda
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#36
1,1-Dichloropropene
Concen: 48.079 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	177272		
110	41.2	16.7	50.1	
77	32.3	25.0	37.4	





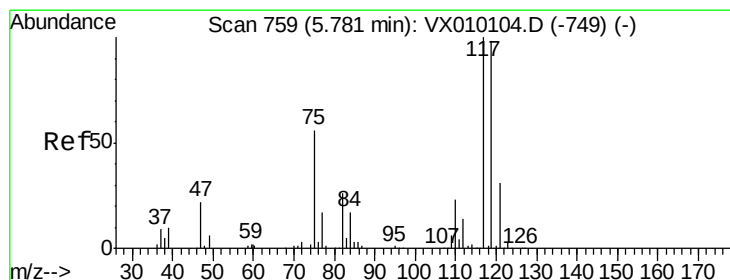
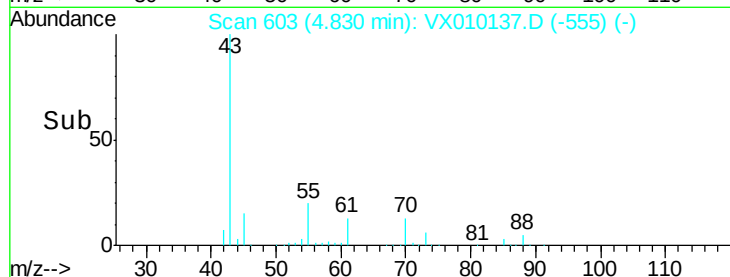
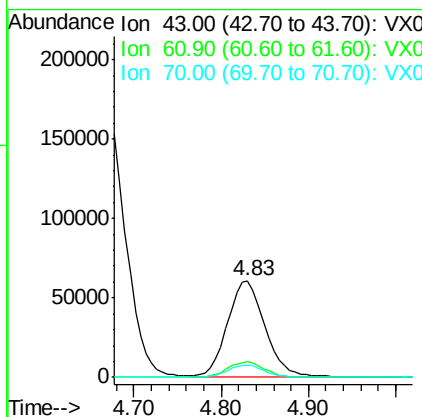
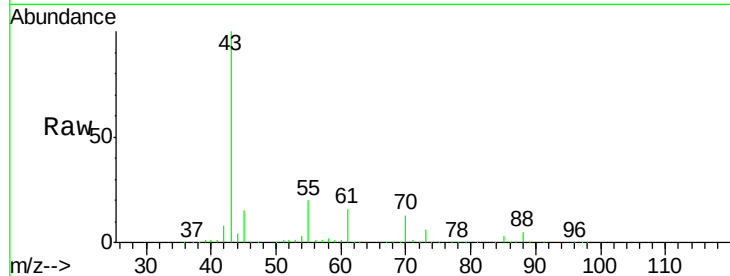
#37
Ethyl Acetate
Concen: 46.570 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	10.2	15.2#
70	12.6	7.4	11.2#

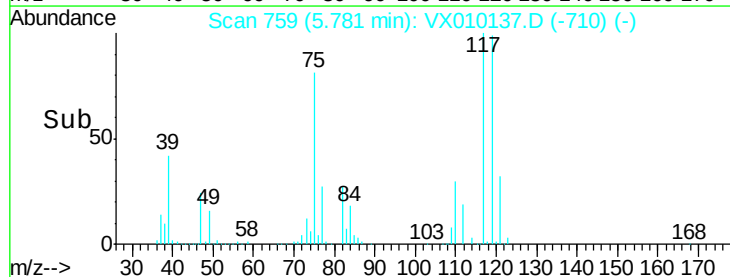
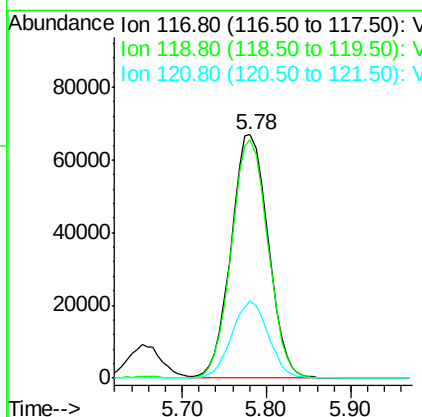
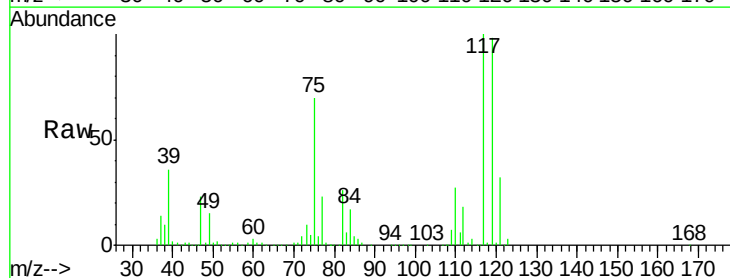
Manual Integrations
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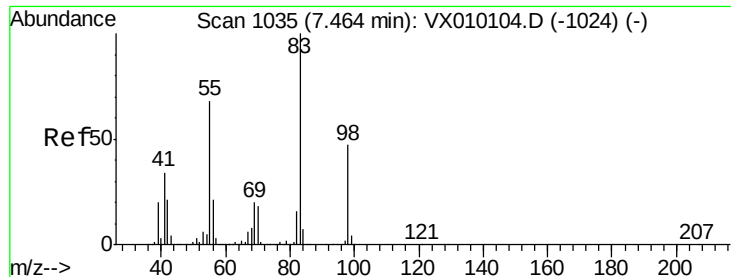
MMDadoda
6/10/2019 9:43:40 AM



#38
Carbon Tetrachloride
Concen: 47.885 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.3	115.9
121	32.0	25.4	38.0





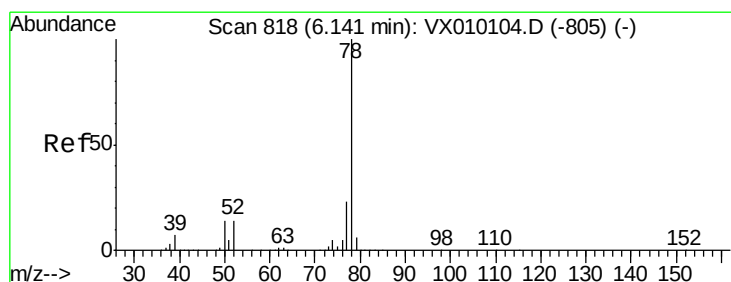
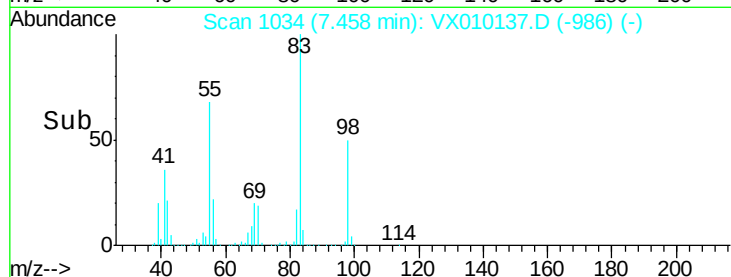
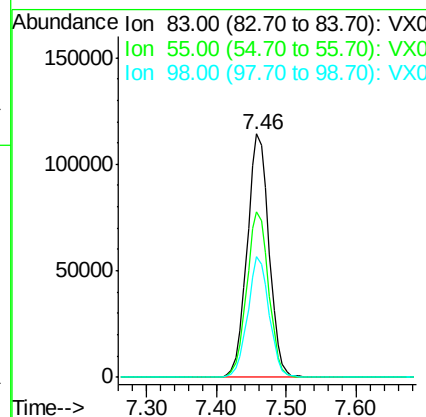
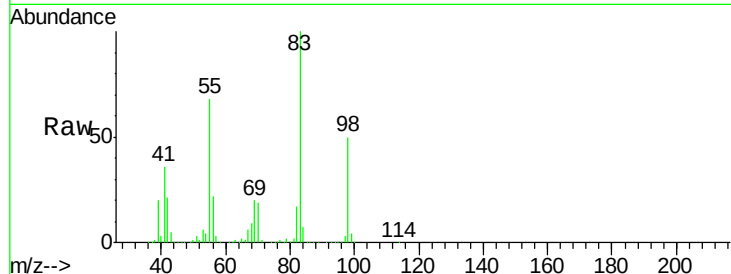
#39
Methylvlcyclohexane
Concen: 49.313 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	69.9	104.9#
98	49.5	35.1	52.7

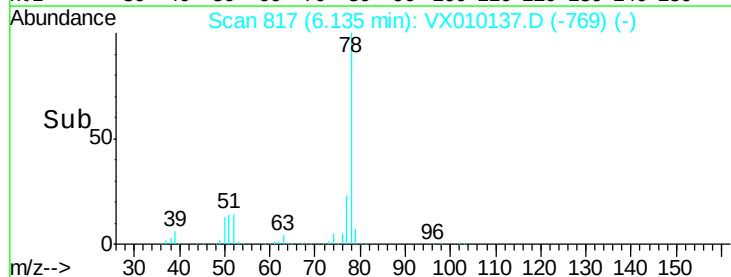
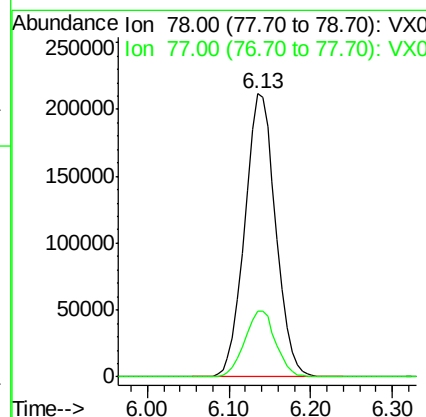
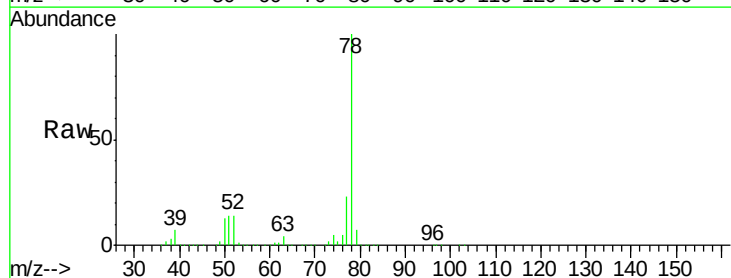
Manual Integrations
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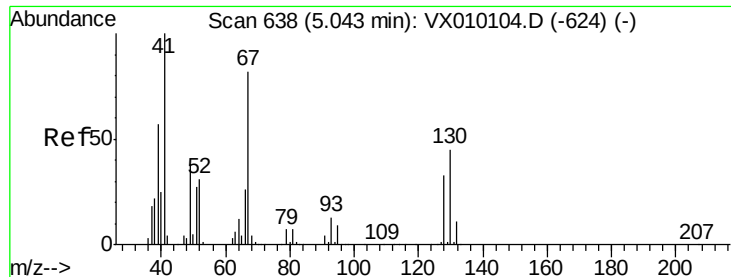
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#40
Benzene
Concen: 48.846 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





#41

Methacrylonitrile

Concen: 47.272 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

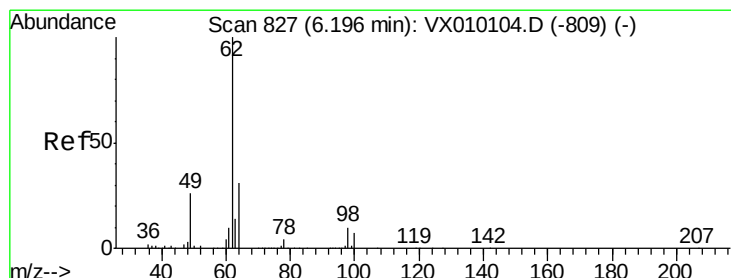
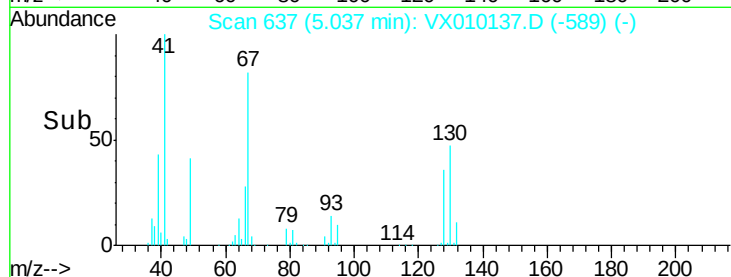
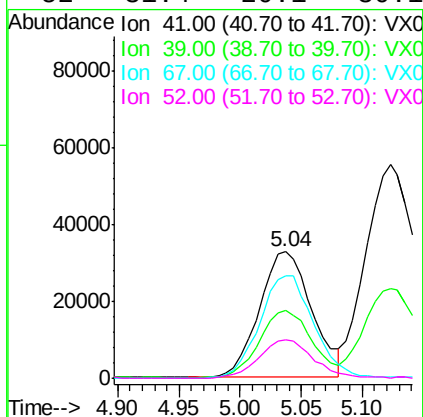
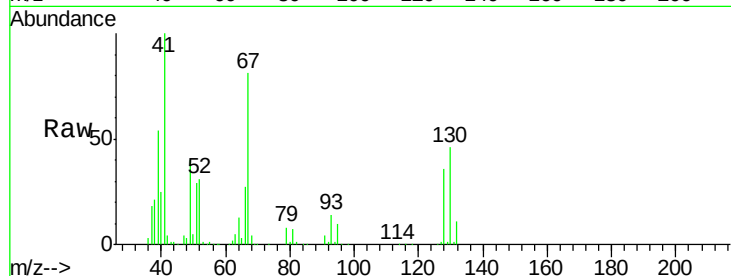
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	42.2	63.4	
67	83.4	48.9	73.3	
52	31.4	20.1	30.1	

Manual Integrations
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MMDadoda
6/10/2019 9:43:40 AM



#42

1,2-Dichloroethane

Concen: 47.215 ug/l

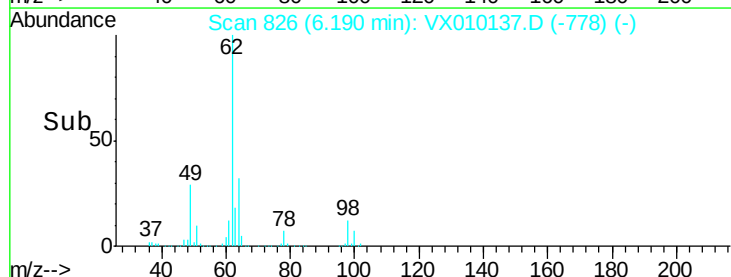
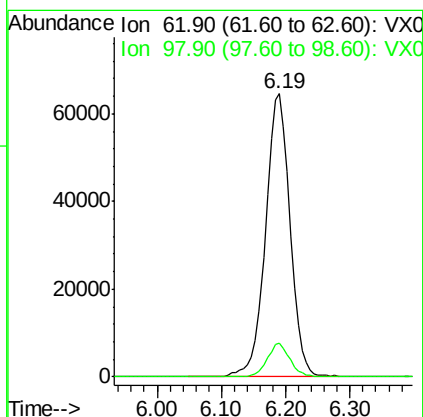
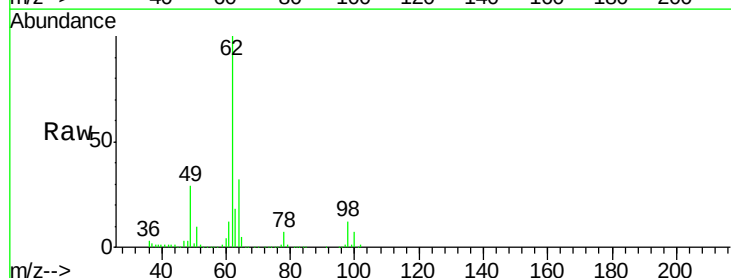
RT: 6.19 min Scan# 826

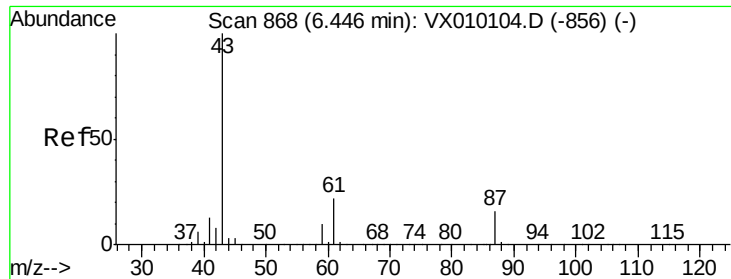
Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.1	0.0	17.2	





#43

Isopropyl Acetate

Concen: 46.974 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

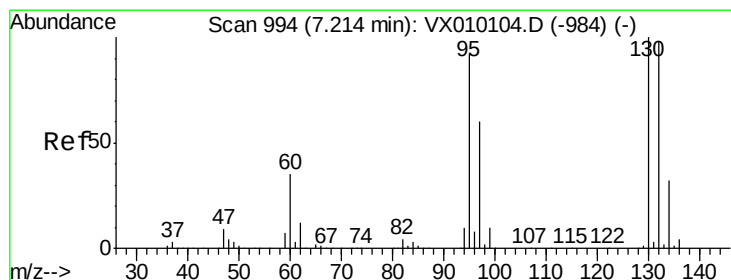
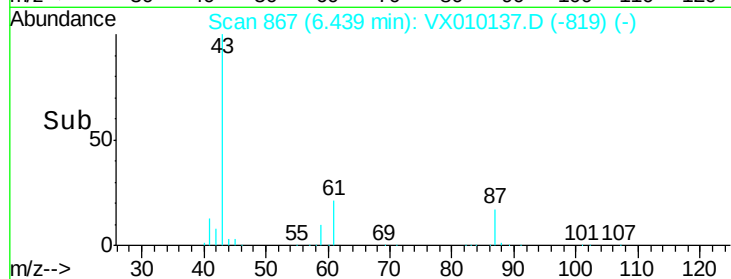
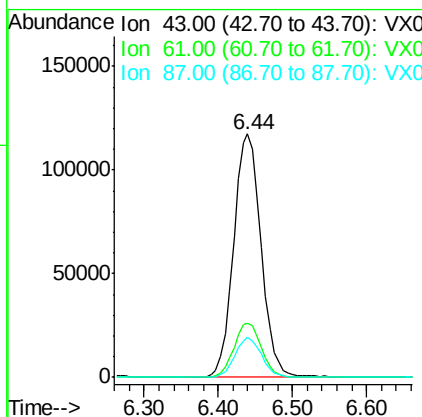
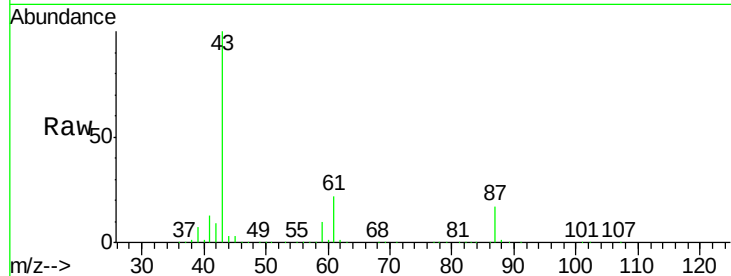
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	301308
Ion	Ratio	Lower	Upper
43	100		
61	22.4	14.6	21.8#
87	16.2	8.7	13.1#

Manual Integrations
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6/10/2019 9:43:40 AM



#44

Trichloroethene

Concen: 48.690 ug/l

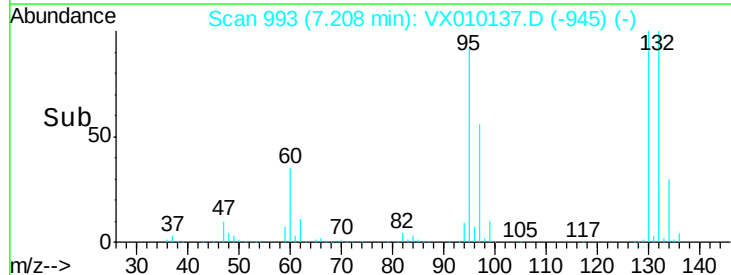
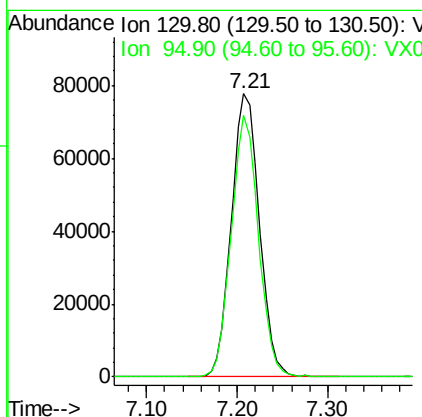
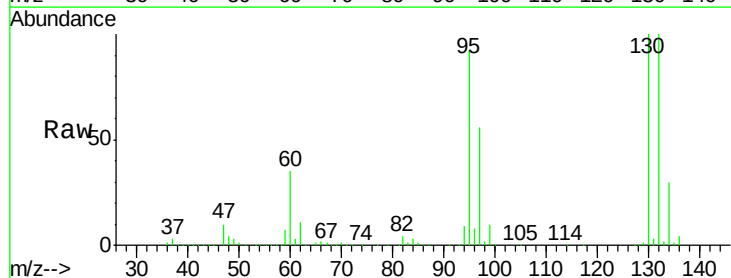
RT: 7.21 min Scan# 993

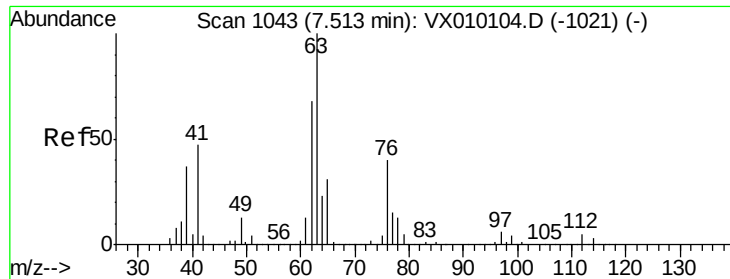
Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Tgt Ion:	130	Resp:	167332
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	207.4





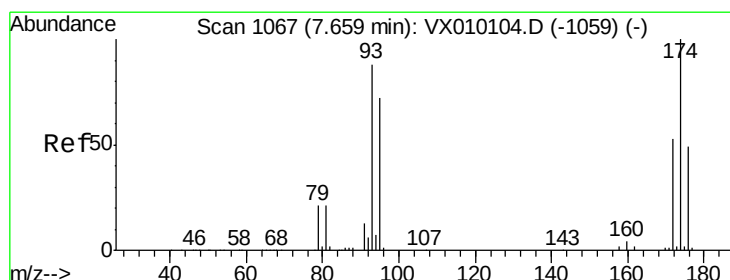
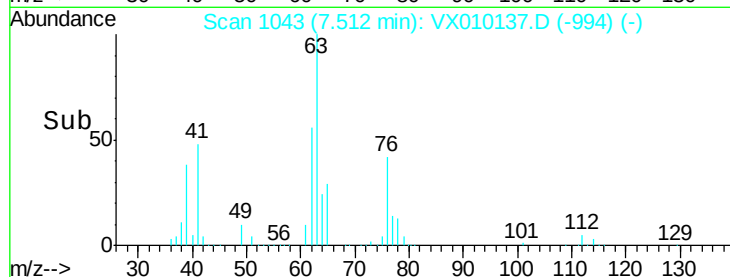
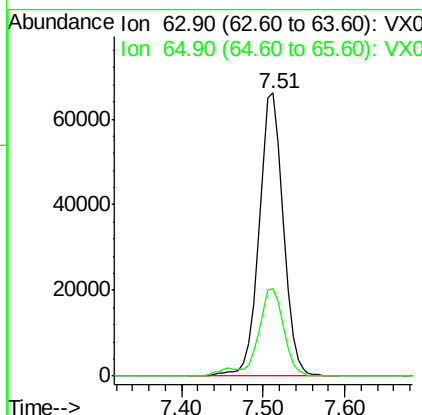
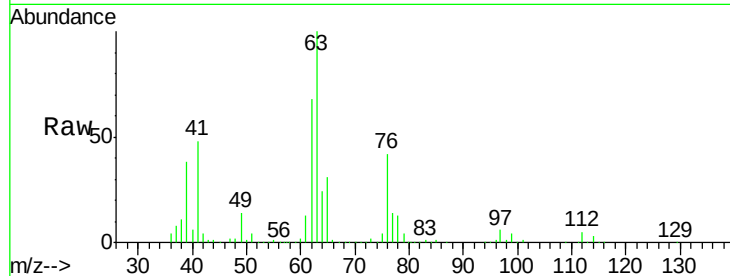
#45
 1,2-Dichloropropane
 Concen: 48.341 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 137948
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.7 38.5

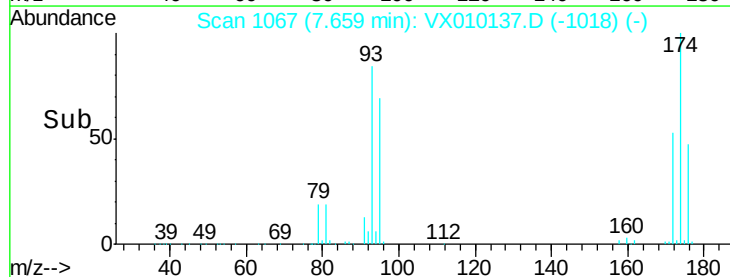
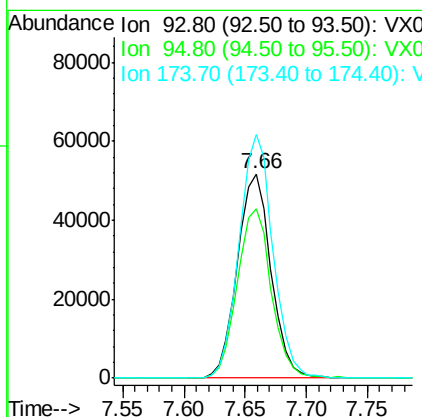
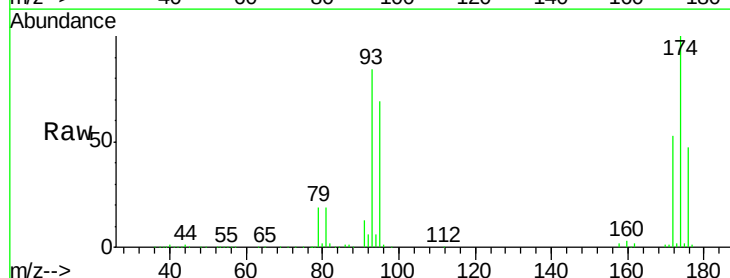
Manual Integrations
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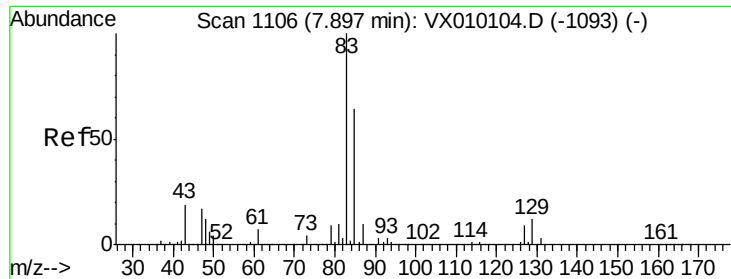
MMDadoda
 6/10/2019 9:43:40 AM



#46
 Dibromomethane
 Concen: 46.302 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Tgt Ion: 93 Resp: 98989
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.8 100.2
 174 119.8 81.9 122.9





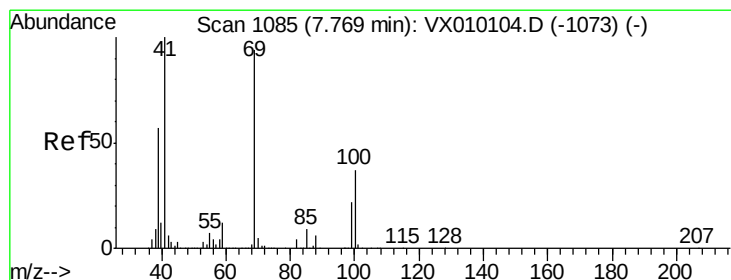
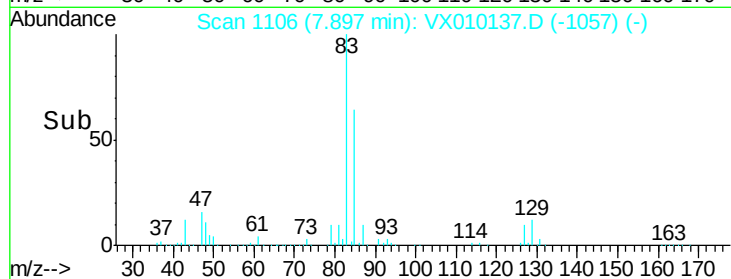
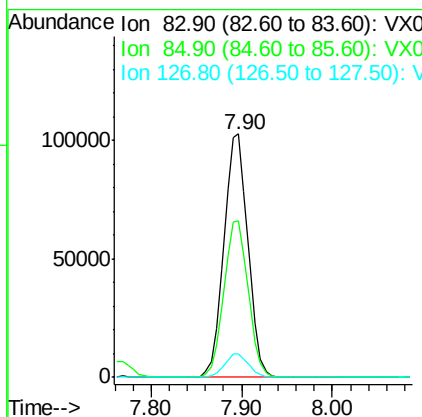
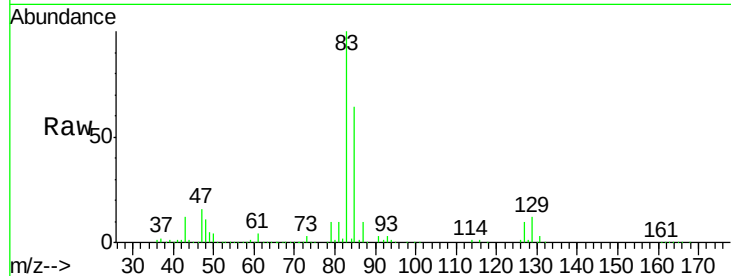
#47
Bromodichloromethane
Concen: 47.648 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.4	51.4	77.2	
127	9.8	6.4	9.6#	

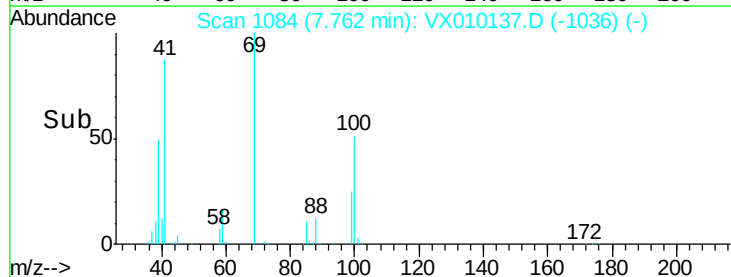
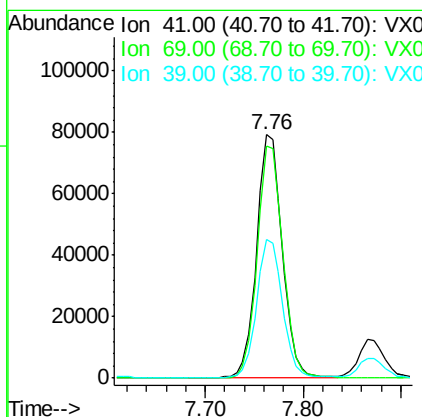
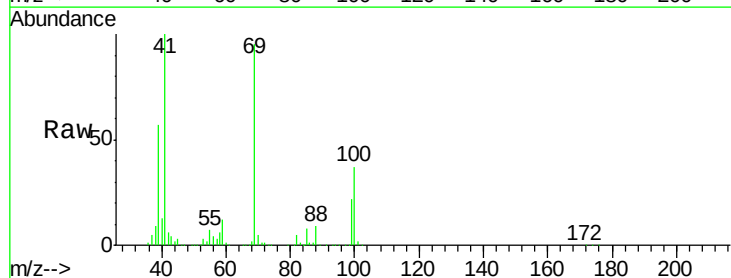
Manual Integrations
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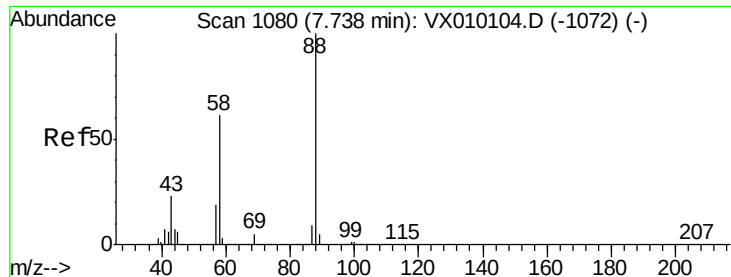
MMDadoda
6/10/2019 9:43:40 AM



#48
Methyl methacrylate
Concen: 47.837 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	95.6	56.4	84.6#	
39	57.1	40.6	60.8	





#49

1,4-Dioxane

Concen: 942.468 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

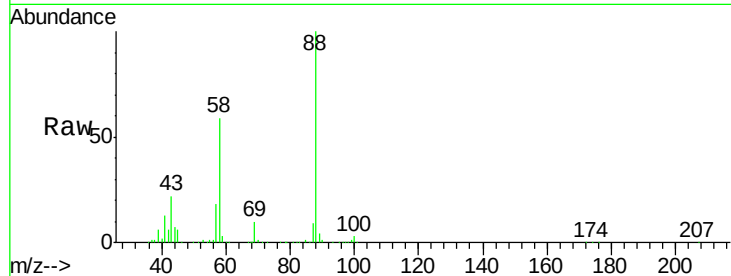
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	80607
Ion	Ratio	Lower	Upper
88	100		
43	25.6	30.2	45.4#
58	61.2	64.0	96.0#

Manual Integrations
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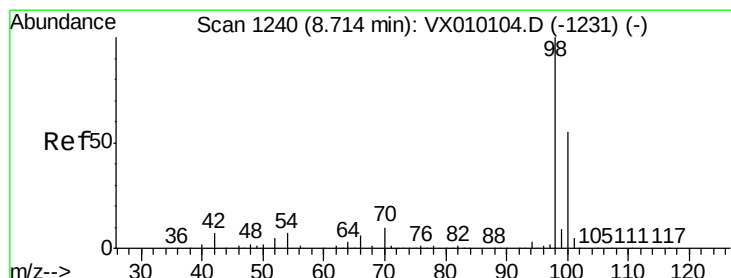
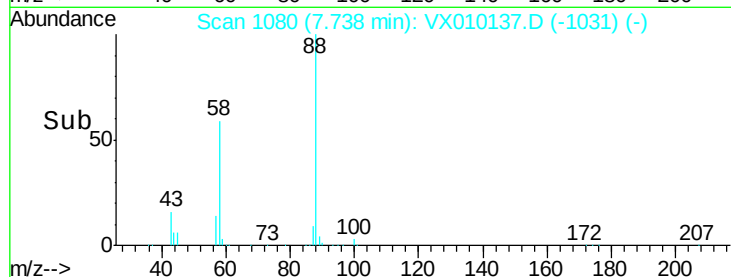
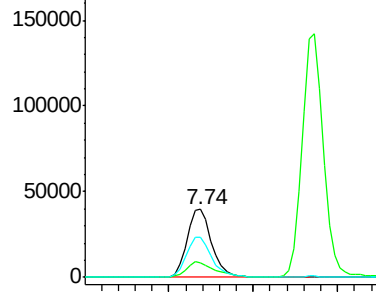
MMDadoda
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Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.305 ug/l

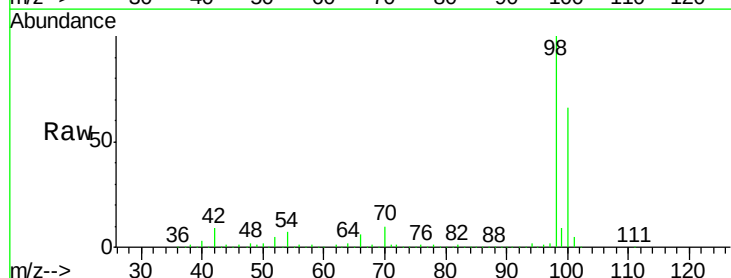
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010137.D

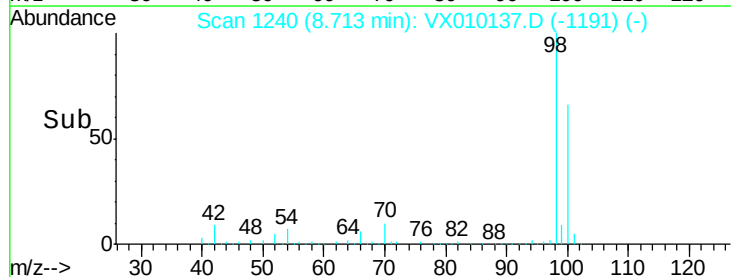
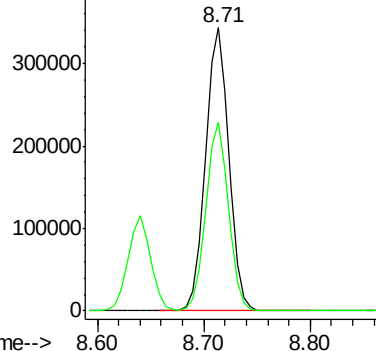
Acq: 08 Jun 2019 14:38

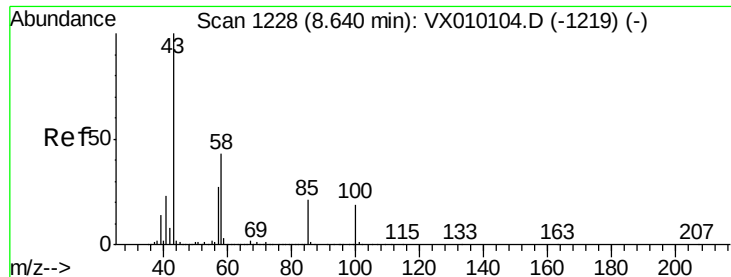
Tgt Ion:	98	Resp:	525569
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 244.743 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 937834

Ion Ratio Lower Upper

43 100

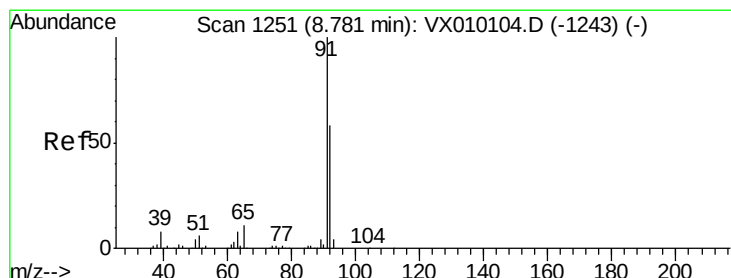
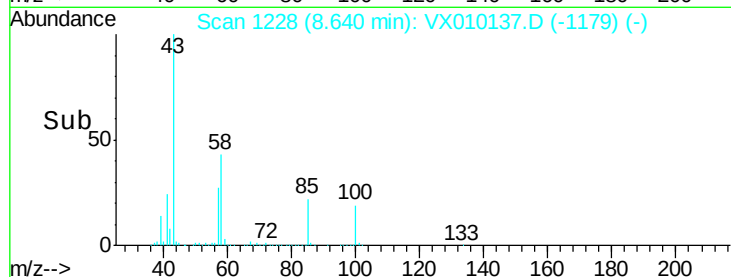
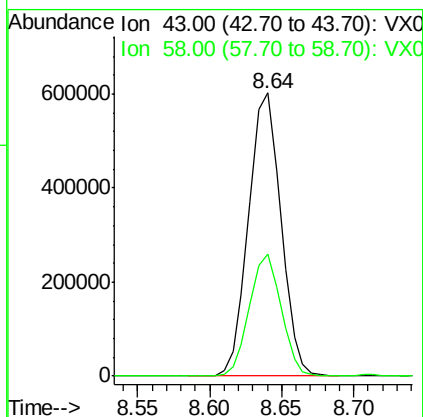
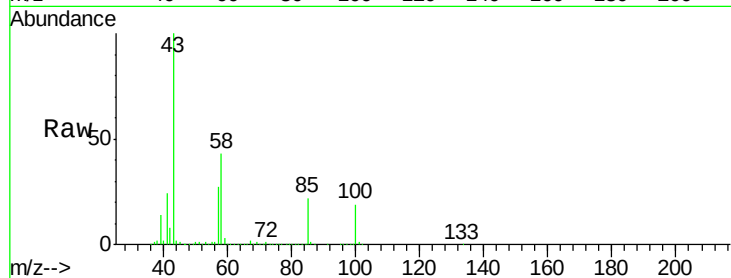
58 42.4 28.8 43.2

Manual Integrations

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6/10/2019 9:43:40 AM



#52

Toluene

Concen: 48.247 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010137.D

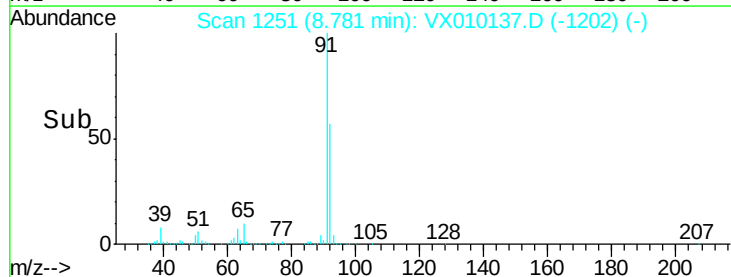
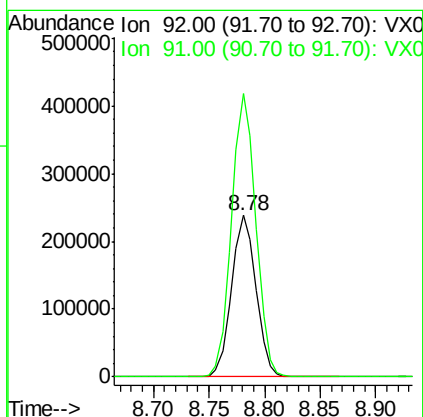
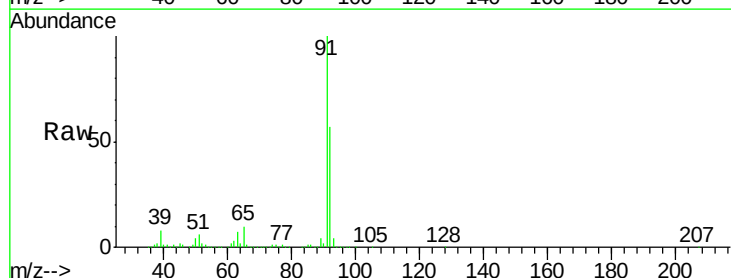
Acq: 08 Jun 2019 14:38

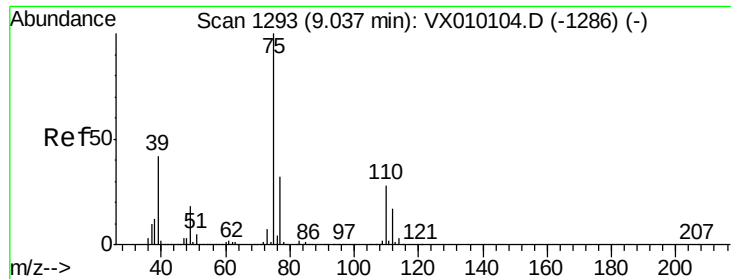
Tgt Ion: 92 Resp: 361592

Ion Ratio Lower Upper

92 100

91 174.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 48.557 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 224367

Ion Ratio Lower Upper

75 100

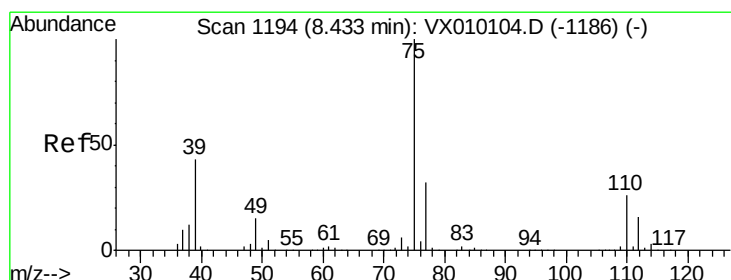
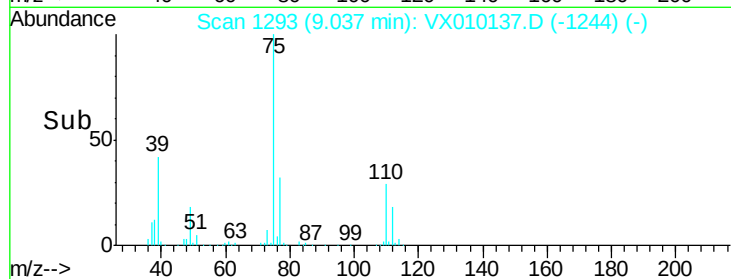
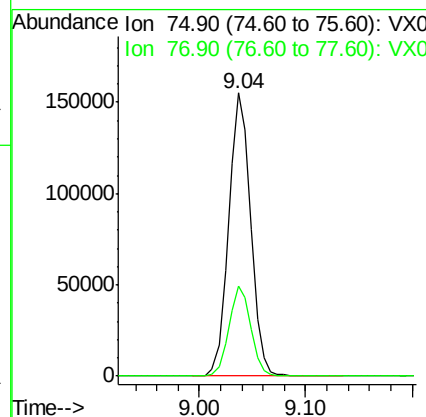
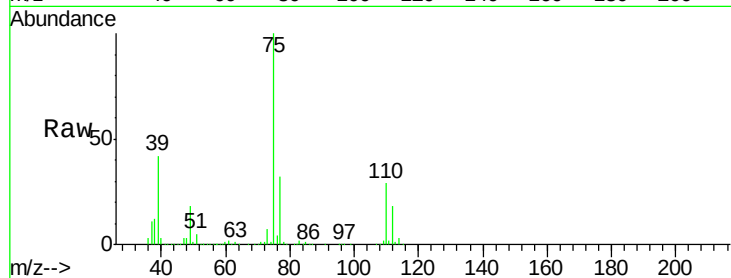
77 31.5 24.6 36.8

Manual Integrations

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MMDadoda

6/10/2019 9:43:40 AM



#54

cis-1,3-Dichloropropene

Concen: 47.662 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

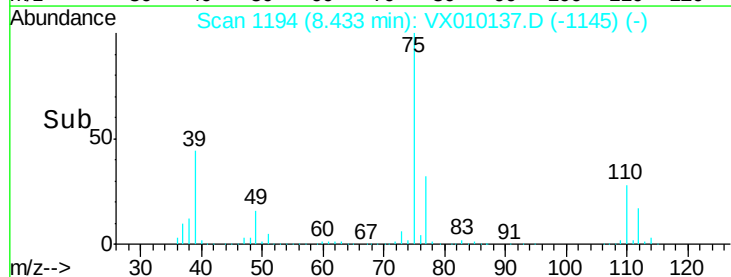
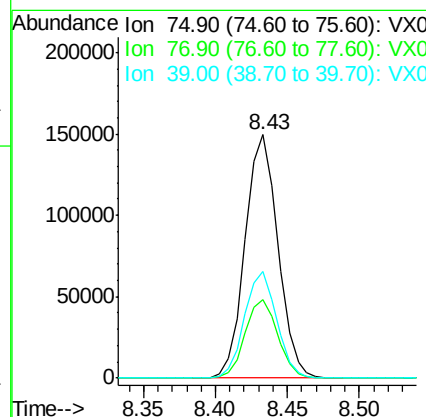
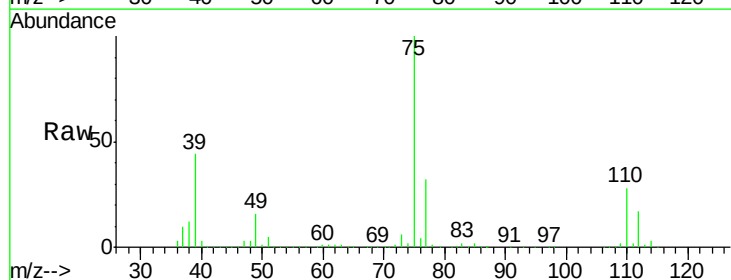
Tgt Ion: 75 Resp: 236099

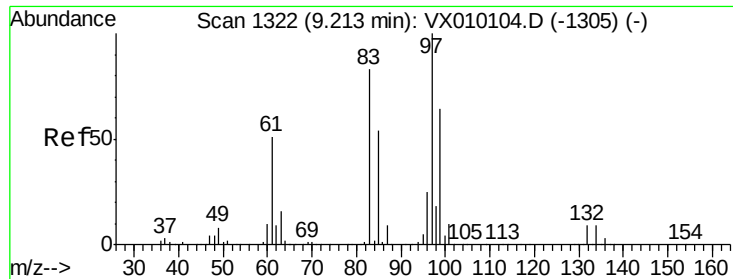
Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 43.8 43.4 65.0





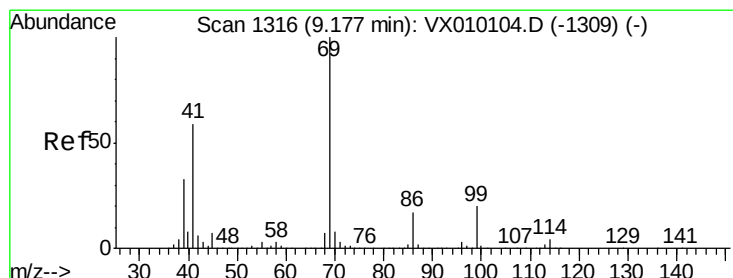
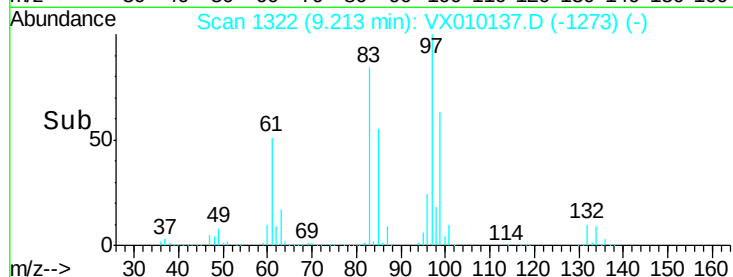
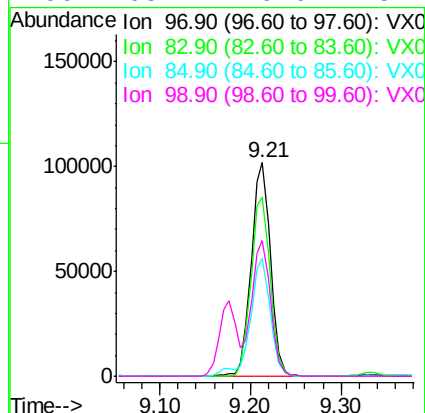
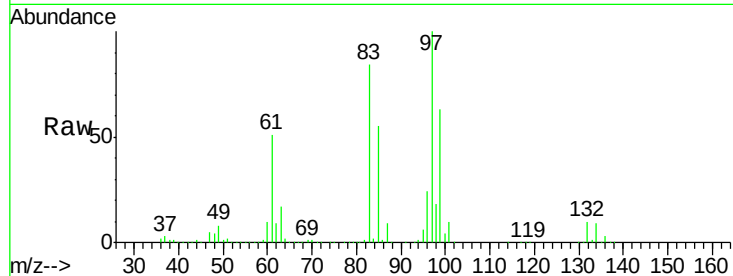
#55
 1,1,2-Trichloroethane
 Concen: 48.502 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	148868
Ion Ratio	Lower	Upper	
97	100		
83	84.0	69.8	104.8
85	55.1	45.3	67.9
99	63.4	49.0	73.4

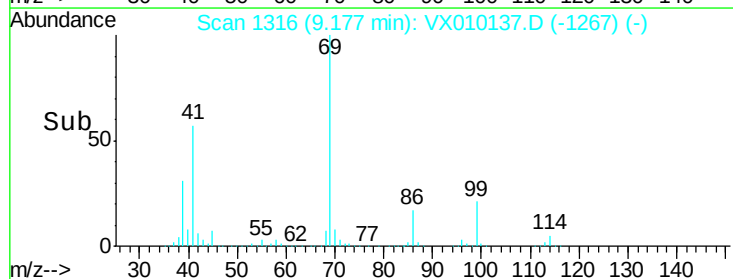
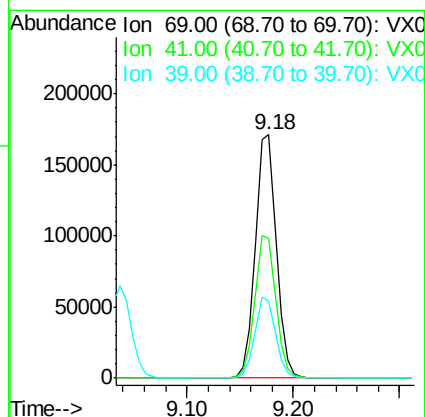
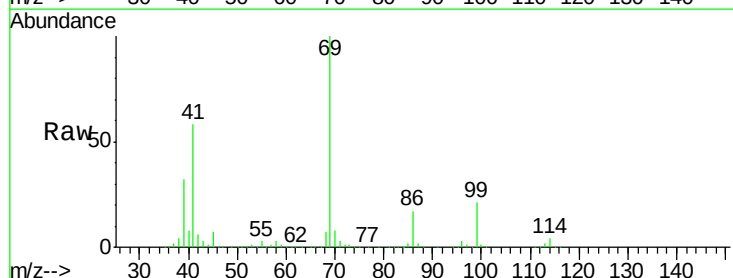
Manual Integrations
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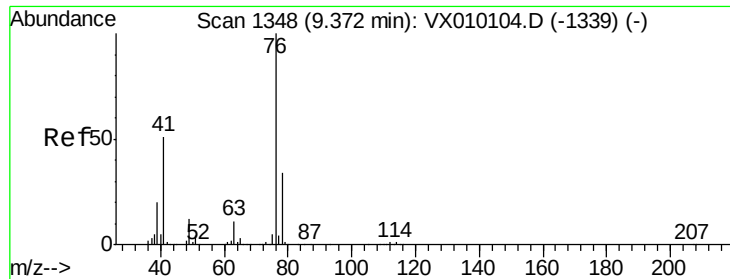
MMDadoda
 6/10/2019 9:43:40 AM



#56
 Ethyl methacrylate
 Concen: 49.110 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Tgt Ion:	69	Resp:	238112
Ion Ratio	Lower	Upper	
69	100		
41	58.9	62.7	94.1#
39	32.8	29.5	44.3





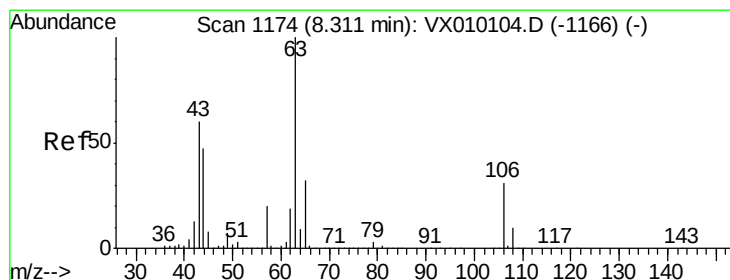
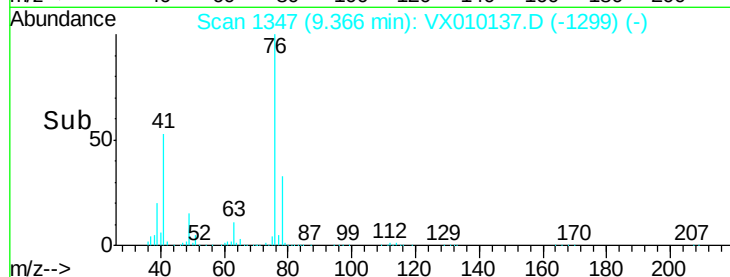
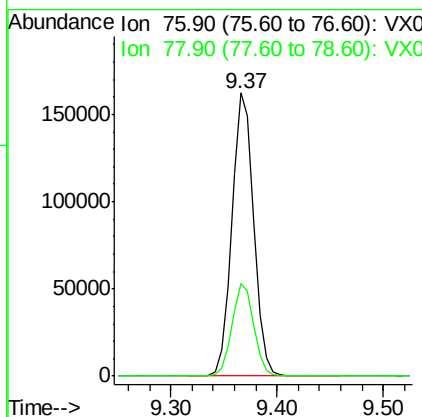
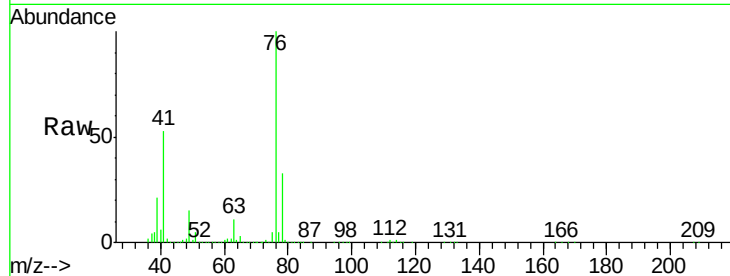
#57
 1,3-Dichloropropane
 Concen: 48.137 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.4	38.0

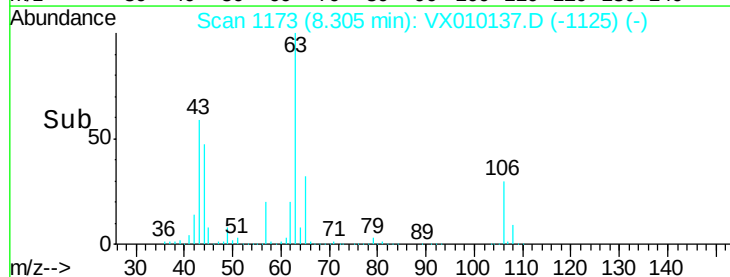
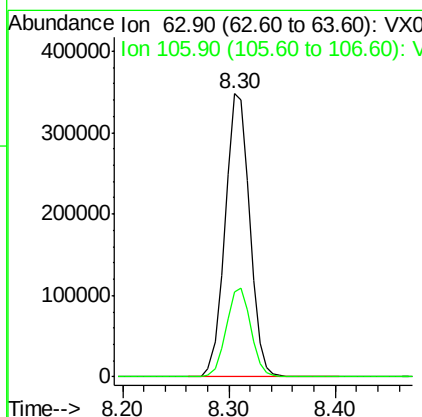
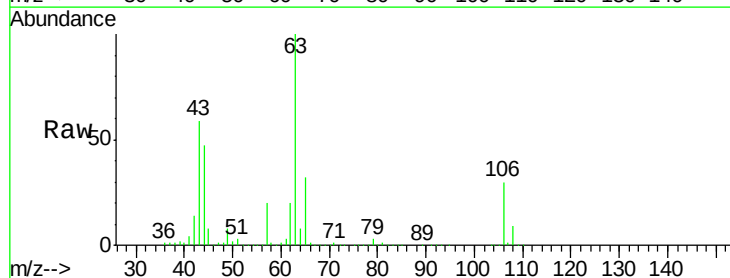
Manual Integrations
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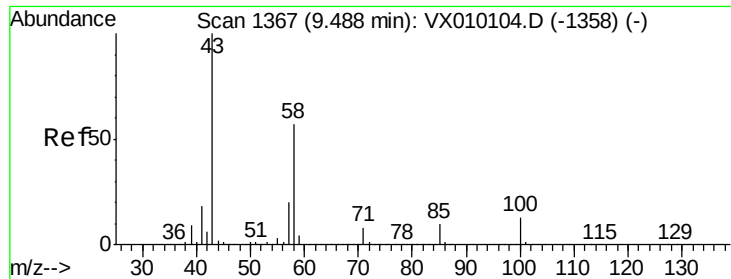
MMDadoda
 6/10/2019 9:43:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.118 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	19.4	29.2





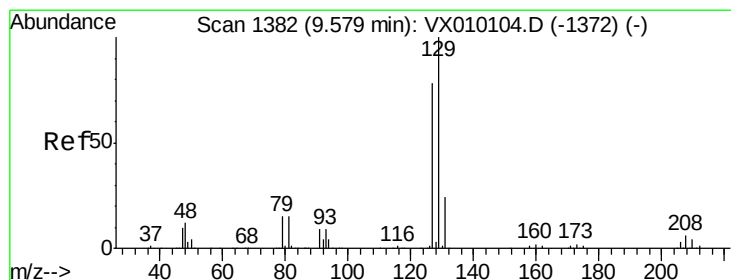
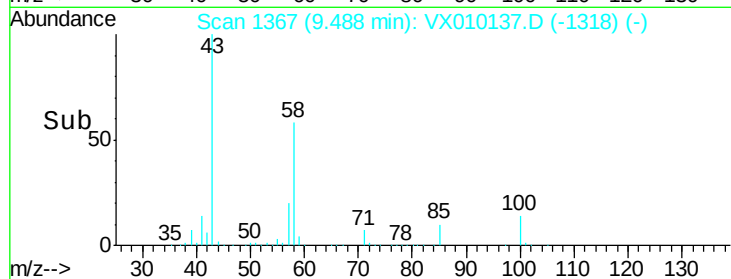
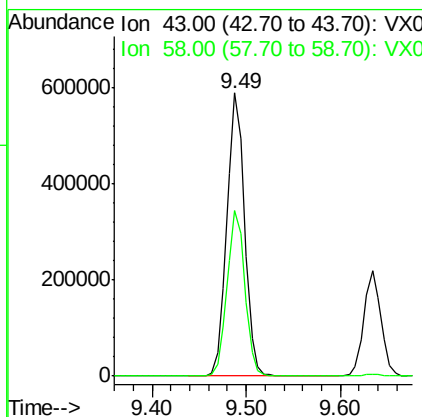
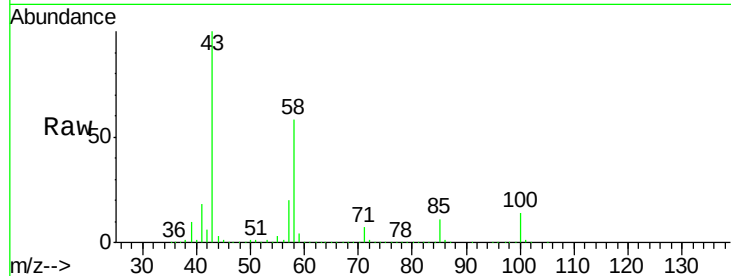
#59
2-Hexanone
Concen: 251.167 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 767371
Ion Ratio Lower Upper
43 100
58 58.9 25.1 75.3

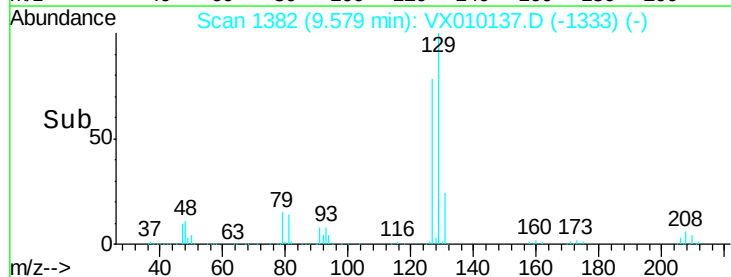
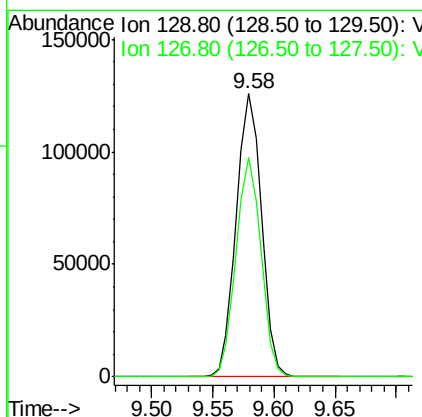
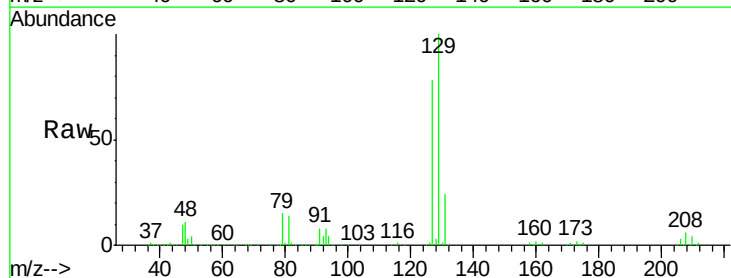
Manual Integrations
APPROVED

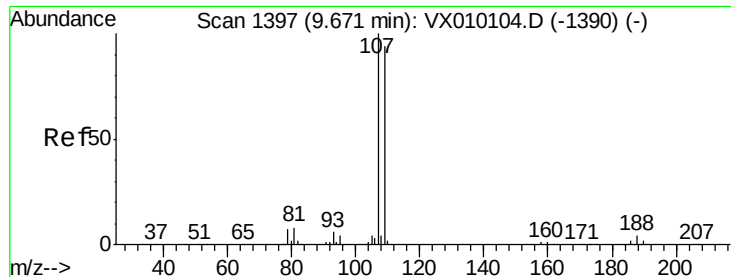
MMDadoda
6/10/2019 9:43:40 AM



#60
Dibromochloromethane
Concen: 49.725 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion: 129 Resp: 180526
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.055 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 164273

Ion Ratio Lower Upper

107 100

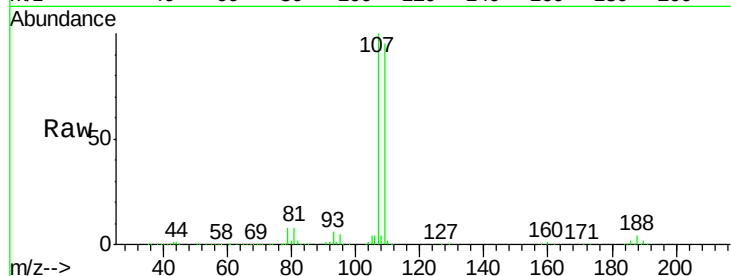
109 94.5 75.4 113.2

Manual Integrations

APPROVED

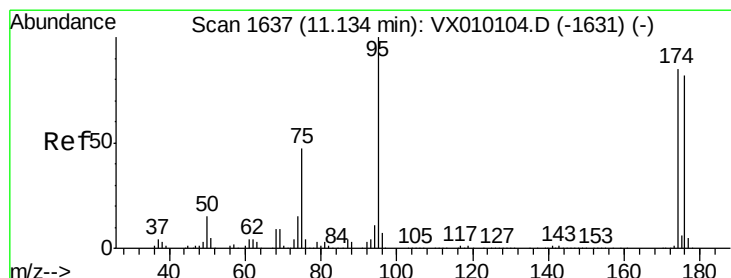
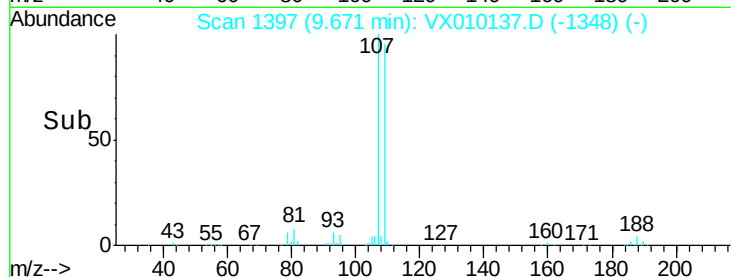
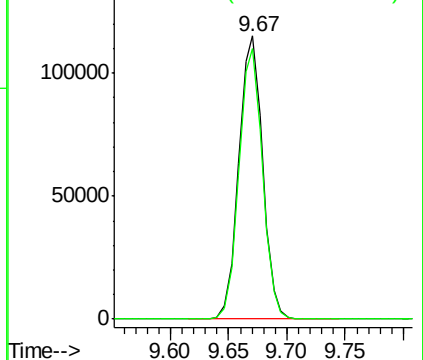
MMDadoda

6/10/2019 9:43:40 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.362 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

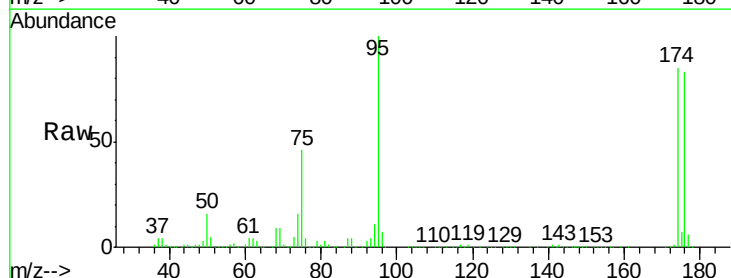
Tgt Ion: 95 Resp: 204304

Ion Ratio Lower Upper

95 100

174 90.1 0.0 160.4

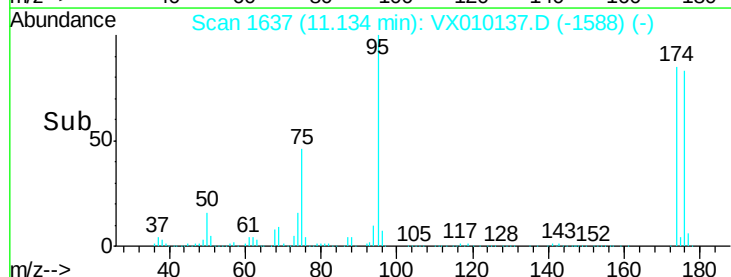
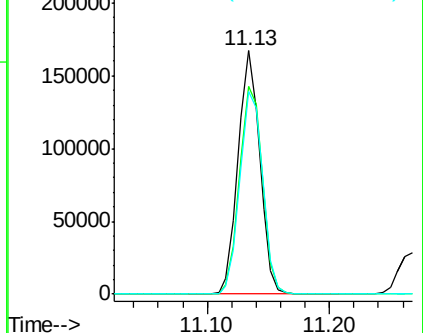
176 88.0 0.0 154.6

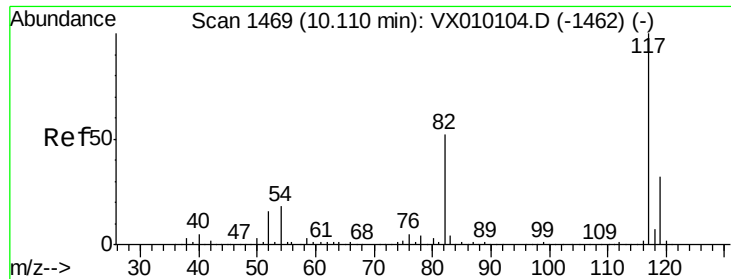


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





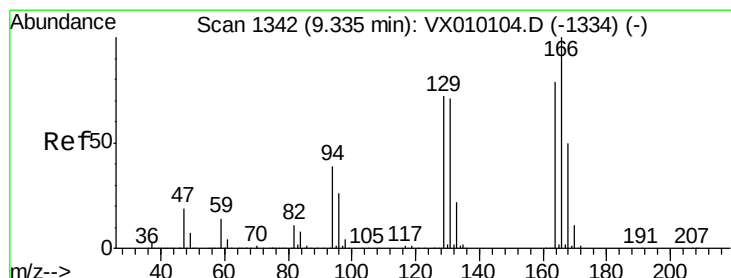
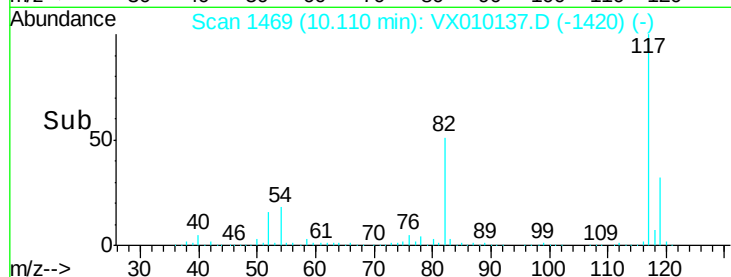
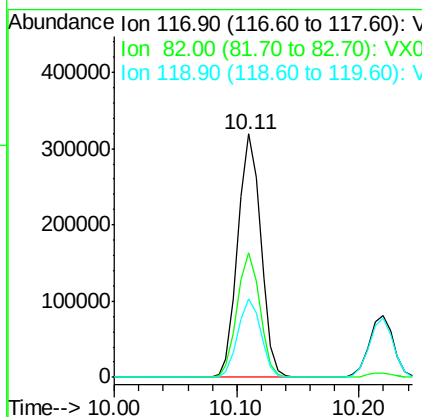
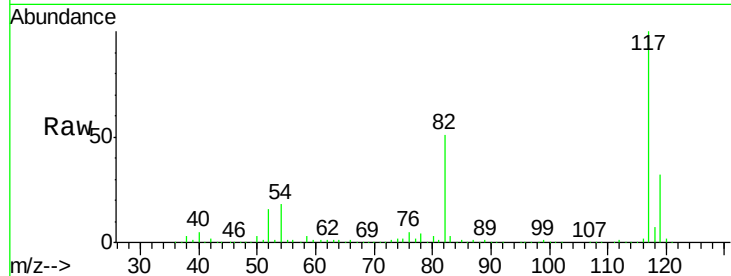
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	49.2	73.8
119	32.1	25.2	37.8

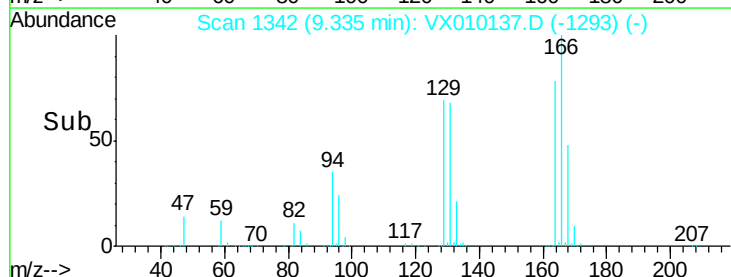
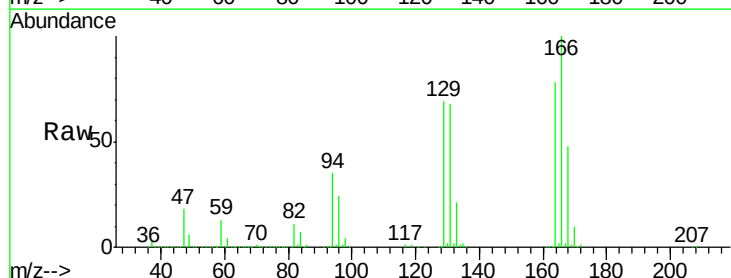
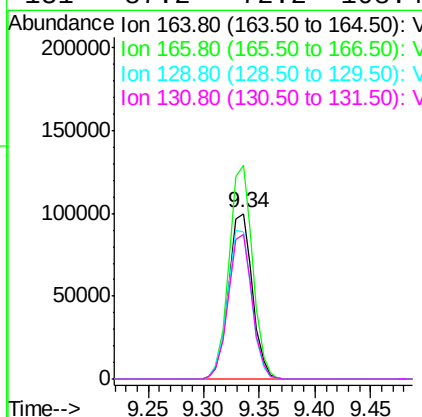
Manual Integrations
APPROVED

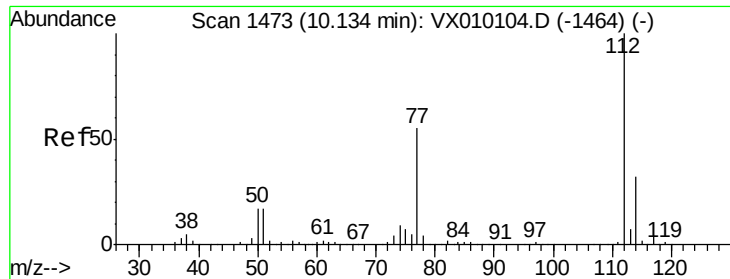
MMDadoda
6/10/2019 9:43:40 AM



#64
Tetrachloroethene
Concen: 47.809 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	105.0	157.4
129	89.0	75.1	112.7
131	87.2	72.2	108.4





#65

Chlorobenzene

Concen: 48.292 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 414505

Ion Ratio Lower Upper

112 100

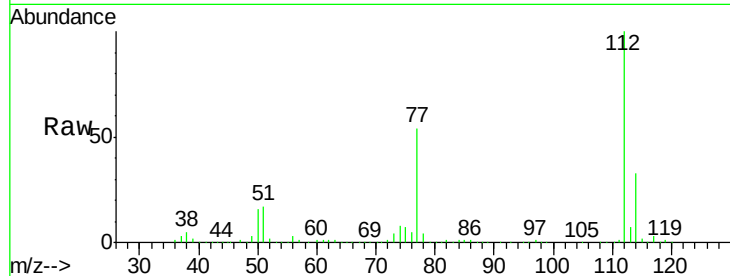
114 32.9 25.8 38.8

Manual Integrations

APPROVED

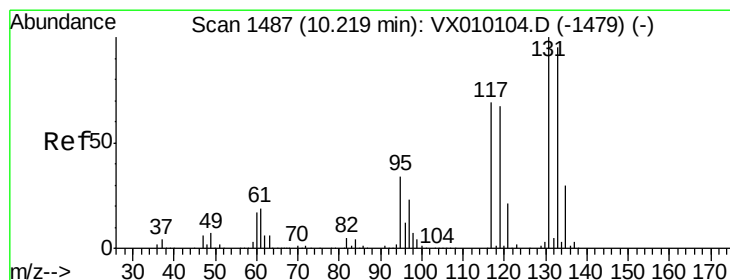
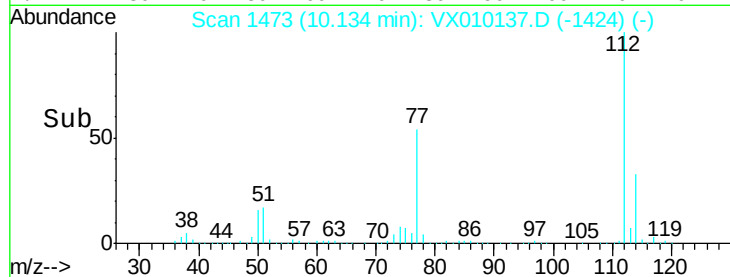
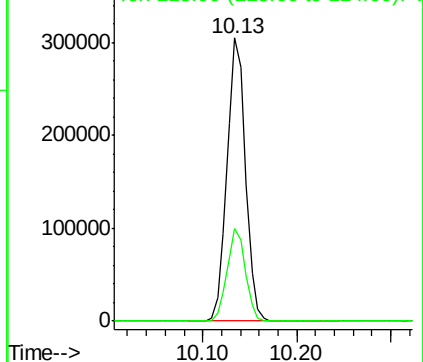
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.306 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

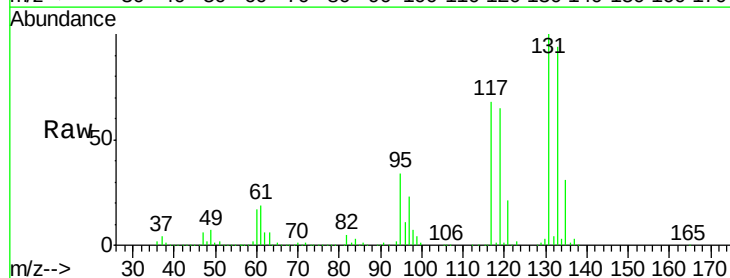
Tgt Ion:131 Resp: 159449

Ion Ratio Lower Upper

131 100

133 95.4 47.5 142.6

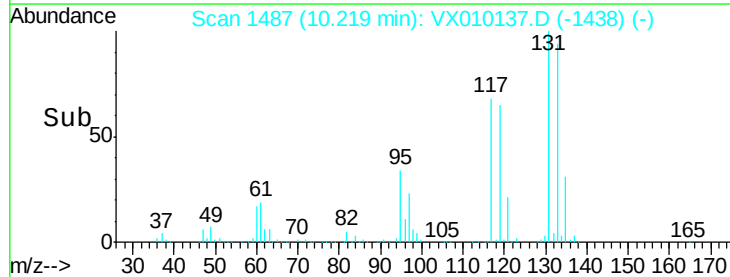
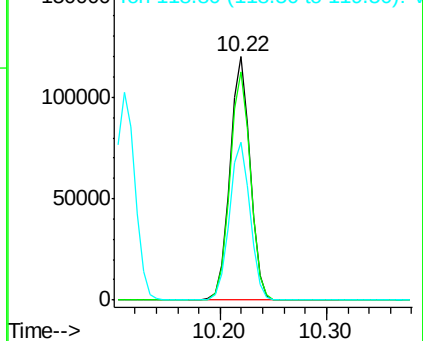
119 66.5 33.4 100.1

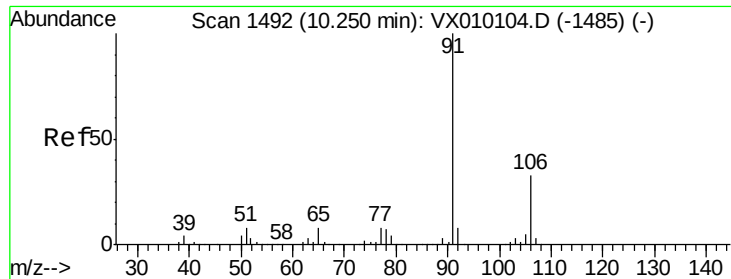


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





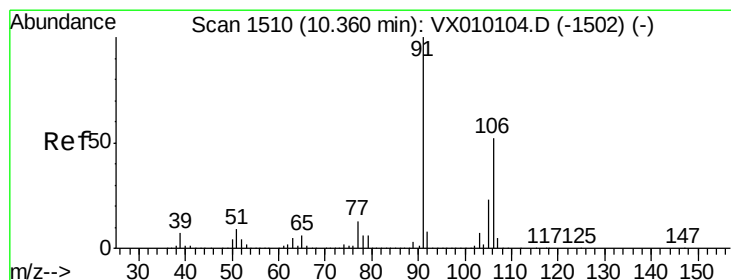
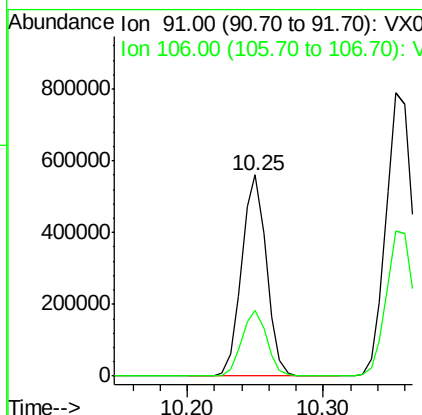
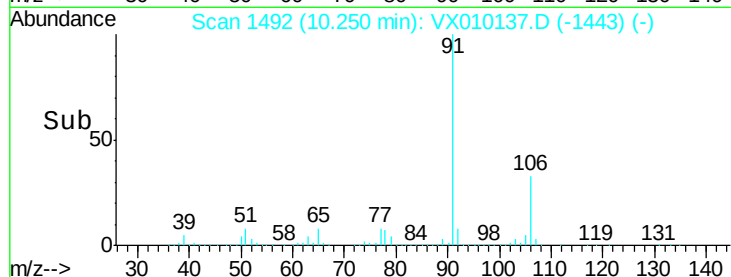
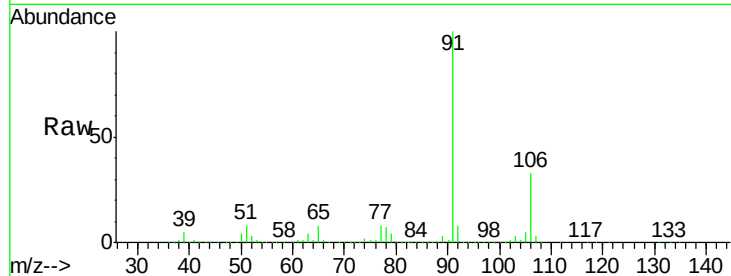
#67
Ethyl Benzene
Concen: 48.910 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 714655
Ion Ratio Lower Upper
91 100
106 32.8 23.9 35.9

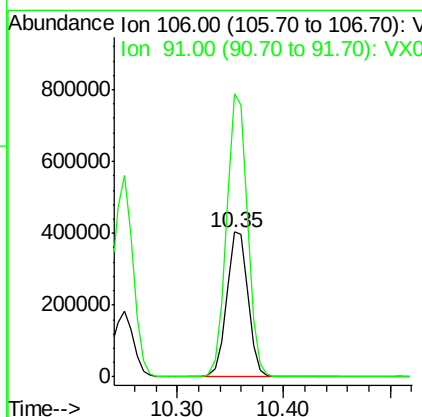
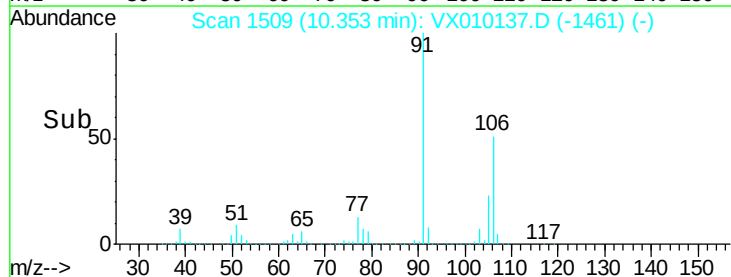
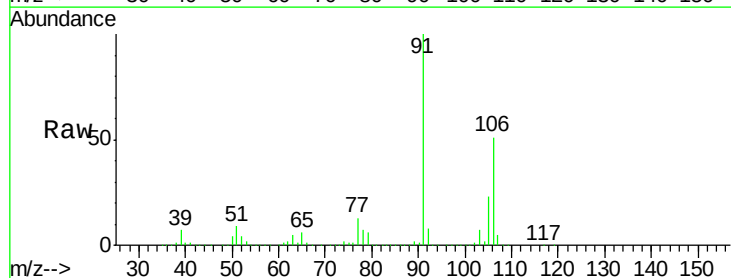
Manual Integrations
APPROVED

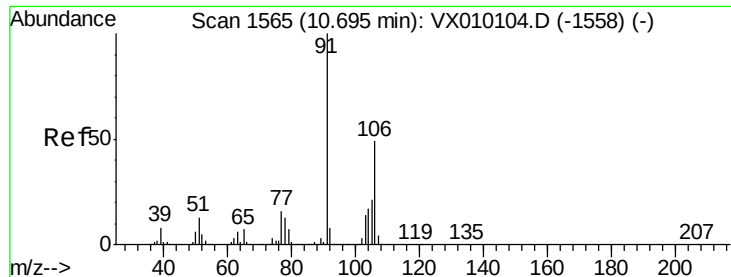
MMDadoda
6/10/2019 9:43:40 AM



#68
m/p-Xylenes
Concen: 99.671 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion: 106 Resp: 563569
Ion Ratio Lower Upper
106 100
91 193.2 167.3 250.9





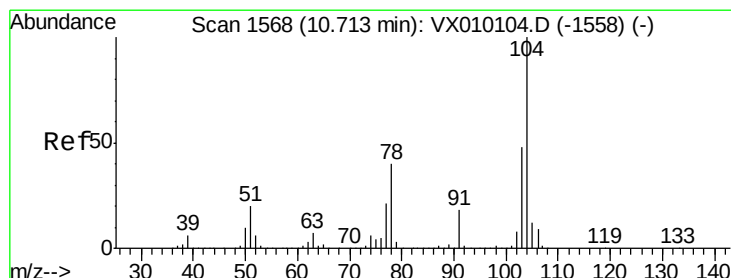
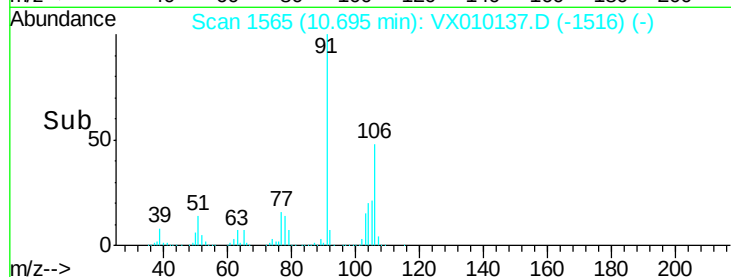
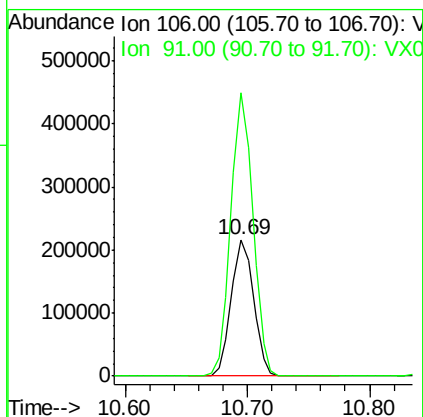
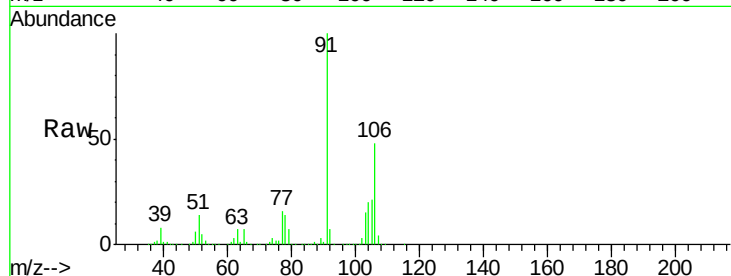
#69
o-Xylene
Concen: 48.898 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
274837	106	100		
	91	203.7	110.4	331.2

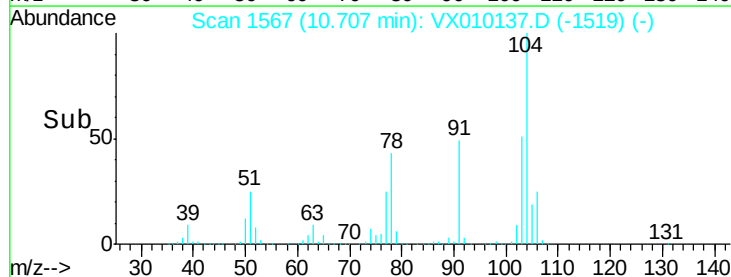
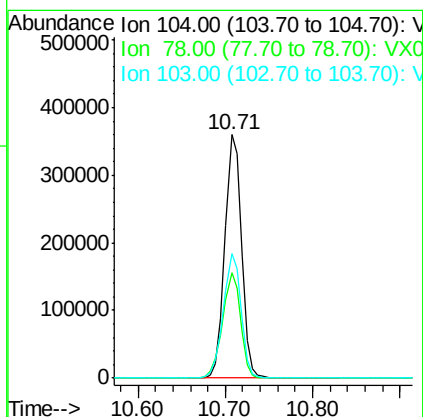
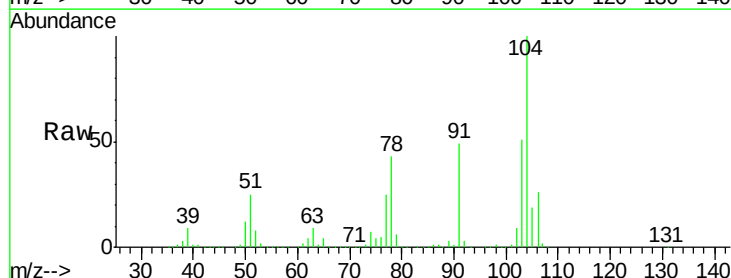
Manual Integrations
APPROVED

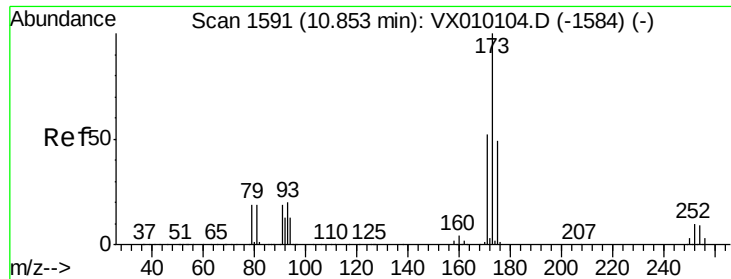
MMDadoda
6/10/2019 9:43:40 AM



#70
Styrene
Concen: 49.660 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ion	Ratio	Lower	Upper
472737	104	100		
	78	46.7	42.1	63.1
	103	54.7	44.1	66.1





#71

Bromoform

Concen: 49.632 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

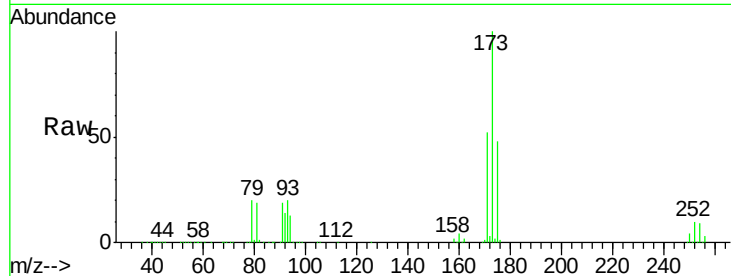
ClientSampleId :

VSTDCCC050

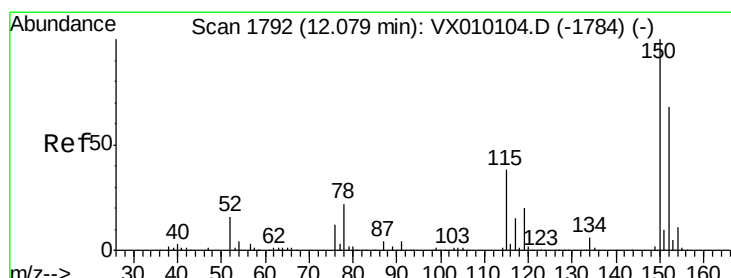
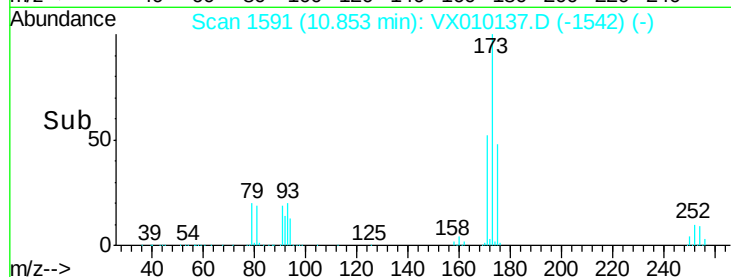
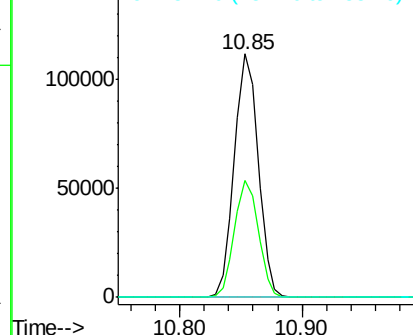
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	25.0	75.0
254	0.2	0.2	0.2

Manual Integrations
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6/10/2019 9:43:40 AM



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

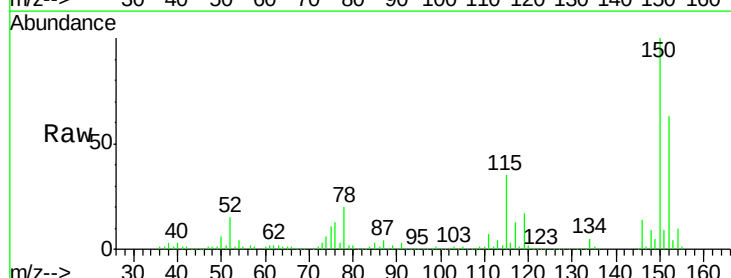
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

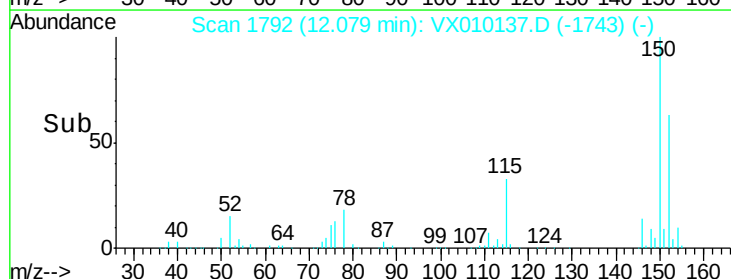
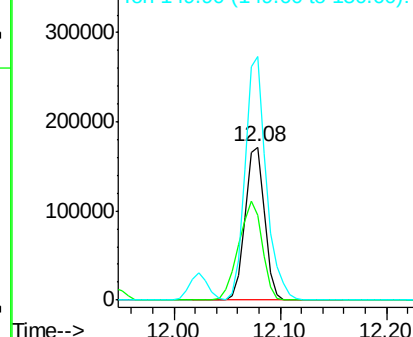
Lab File: VX010137.D

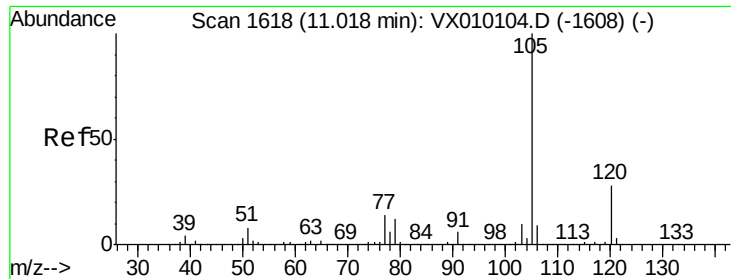
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.8	41.4	124.2
150	172.3	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: 47.068 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 725727

Ion Ratio Lower Upper

105 100

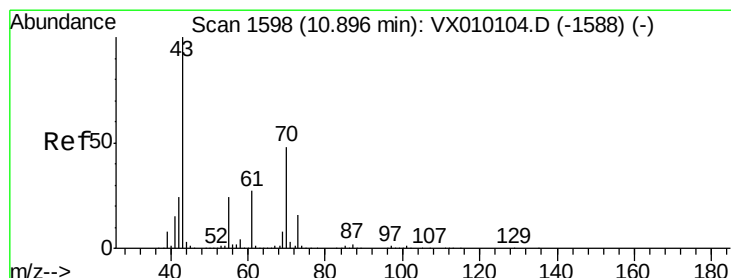
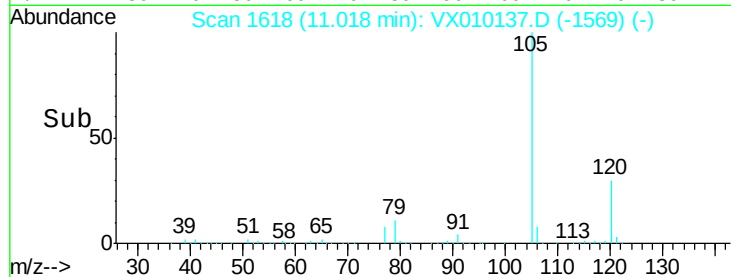
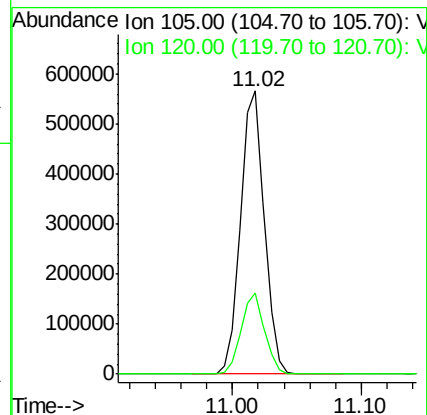
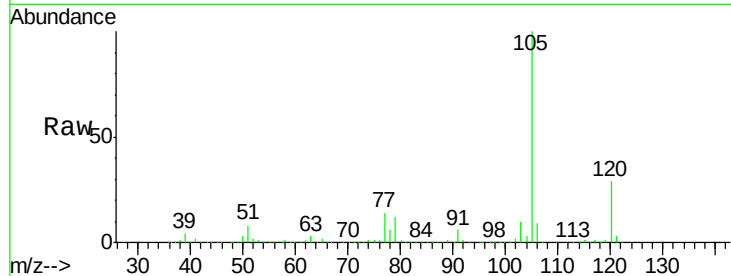
120 28.1 12.8 38.4

Manual Integrations

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6/10/2019 9:43:40 AM



#74

N-ethyl acetate

Concen: 46.743 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Tgt Ion: 43 Resp: 284897

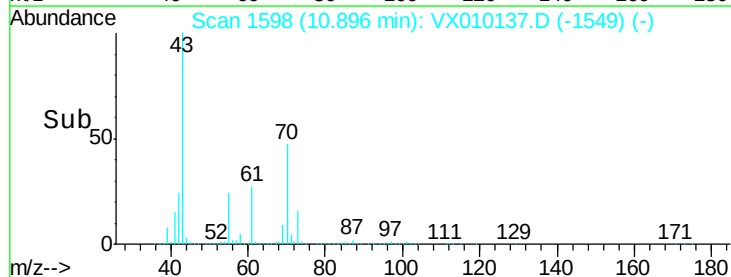
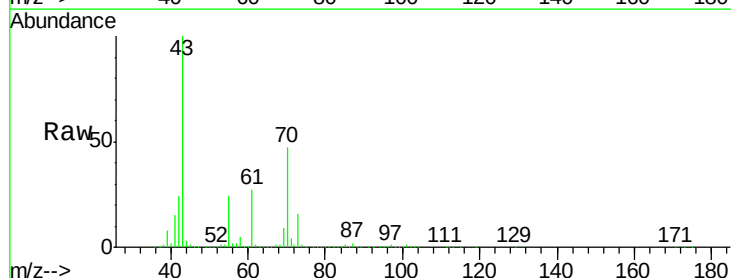
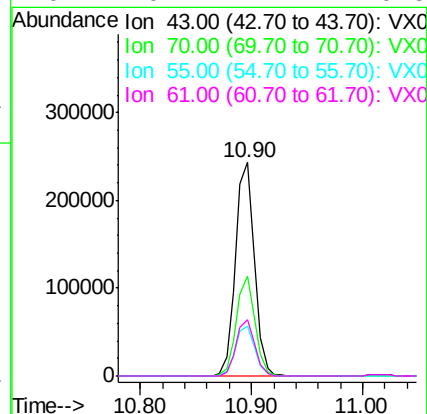
Ion Ratio Lower Upper

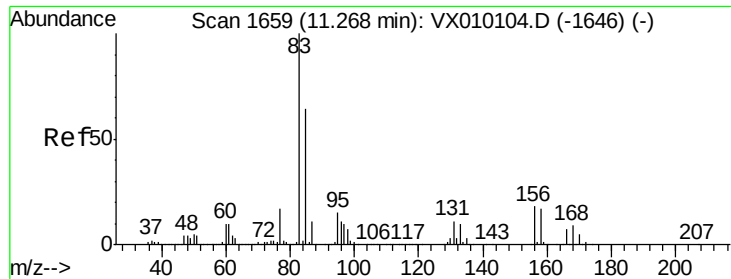
43 100

70 46.0 28.6 43.0#

55 23.6 17.8 26.8

61 26.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.581 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

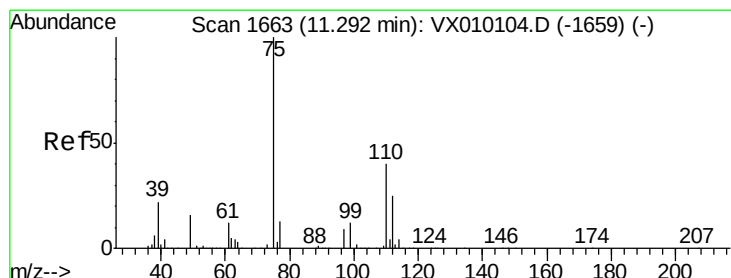
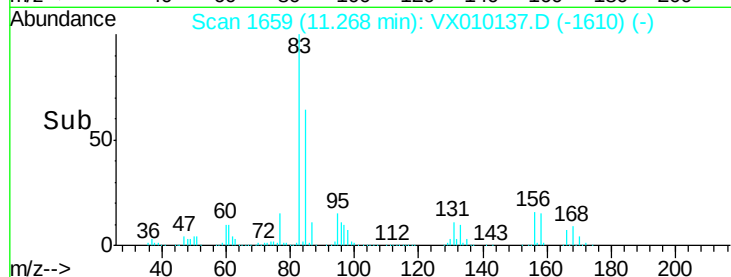
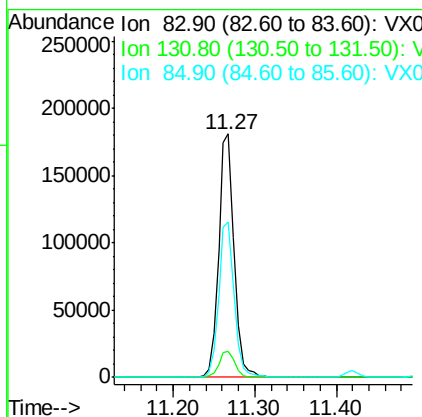
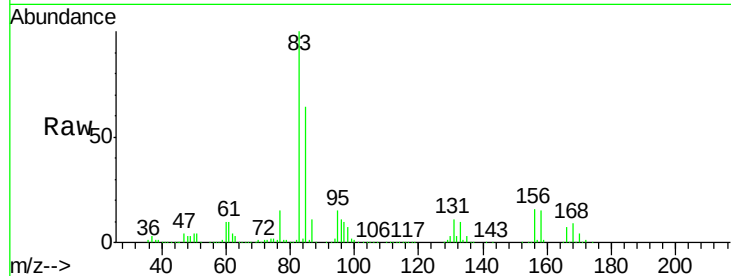
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	240576
Ion Ratio	Lower	Upper	
83	100		
131	11.0	4.7	14.1
85	64.4	31.9	95.9

Manual Integrations
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6/10/2019 9:43:40 AM



#76

1,2,3-Trichloropropane

Concen: 45.459 ug/l m

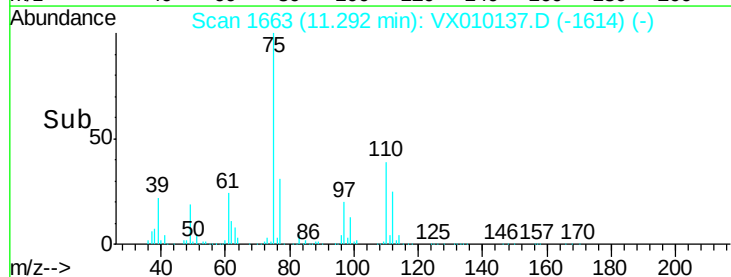
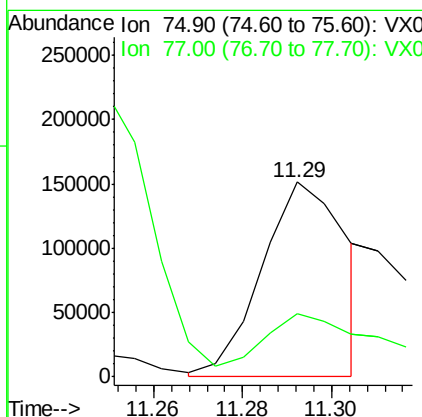
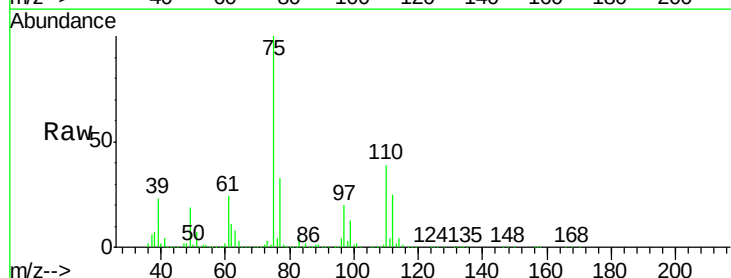
RT: 11.29 min Scan# 1663

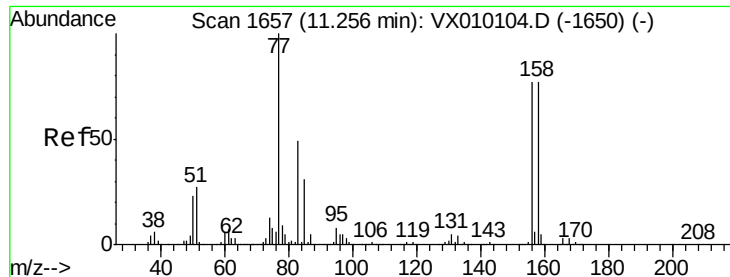
Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Tgt Ion:	75	Resp:	200839
Ion Ratio	Lower	Upper	
75	100		
77	44.7	22.1	66.1





#77

Bromobenzene

Concen: 47.477 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

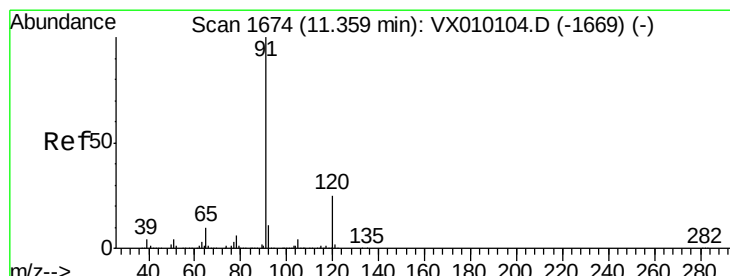
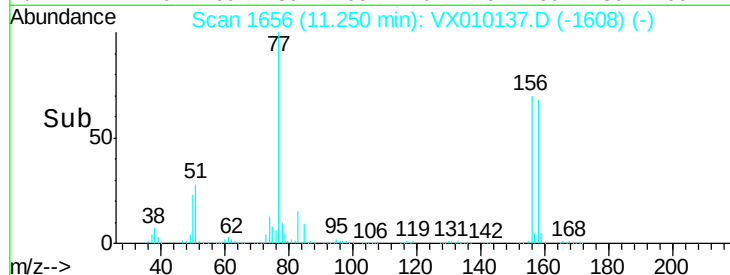
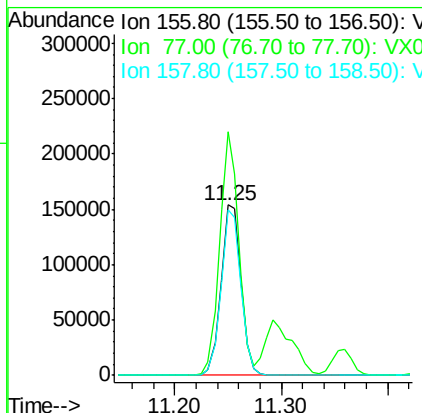
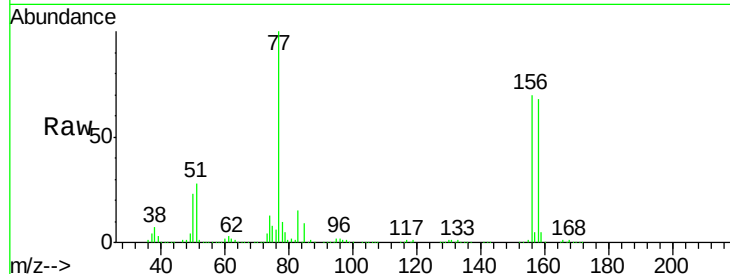
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	201307
Ion Ratio	Lower	Upper	
156	100		
77	136.3	86.8	260.3
158	95.9	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 48.012 ug/l

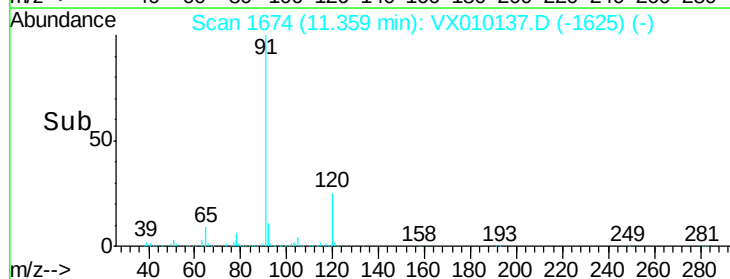
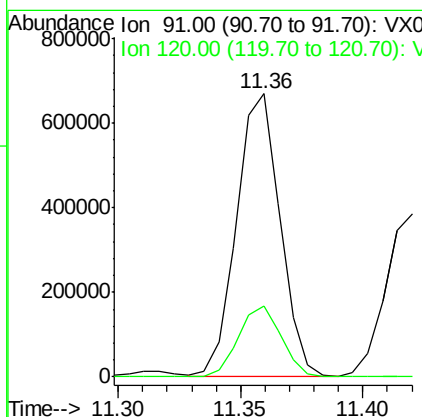
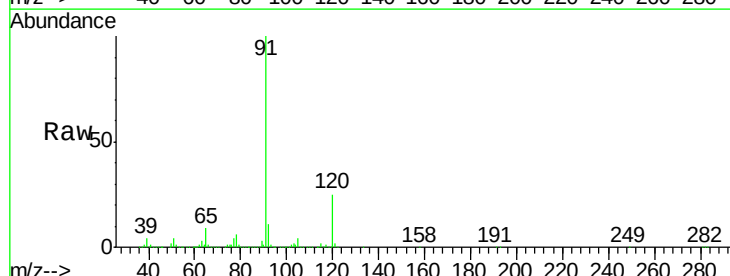
RT: 11.36 min Scan# 1674

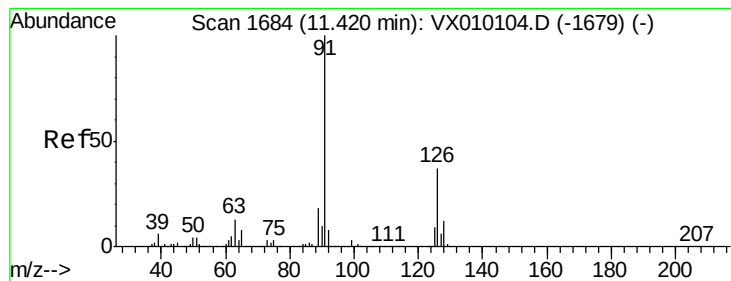
Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Tgt Ion:	91	Resp:	824144
Ion Ratio	Lower	Upper	
91	100		
120	25.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 46.946 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 483994

Ion Ratio Lower Upper

91 100

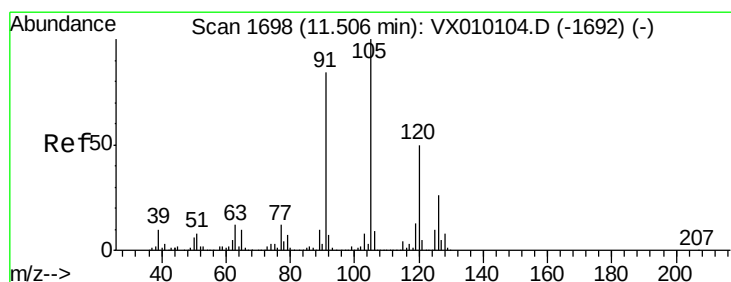
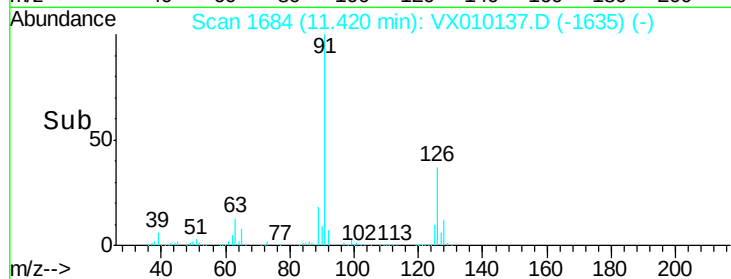
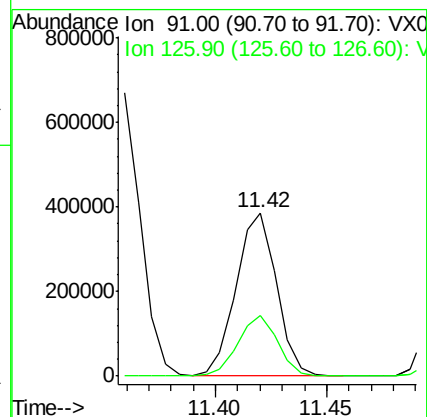
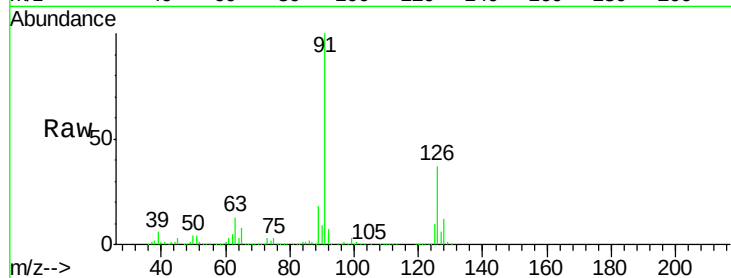
126 36.8 16.1 48.3

Manual Integrations

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6/10/2019 9:43:40 AM



#80

1,3,5-Trimethylbenzene

Concen: 47.431 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010137.D

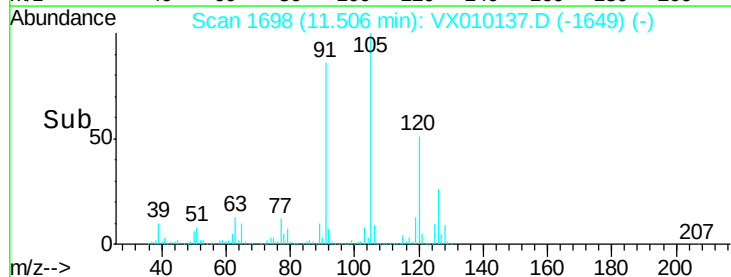
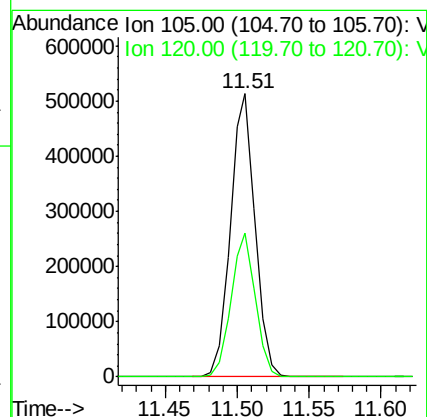
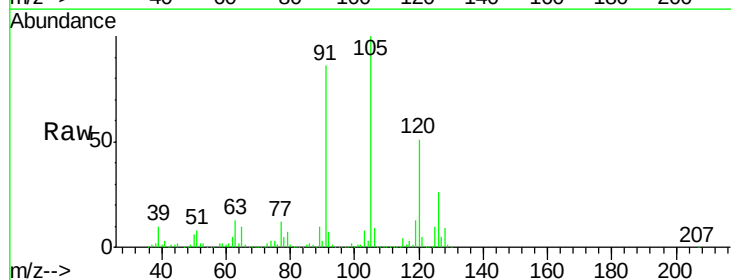
Acq: 08 Jun 2019 14:38

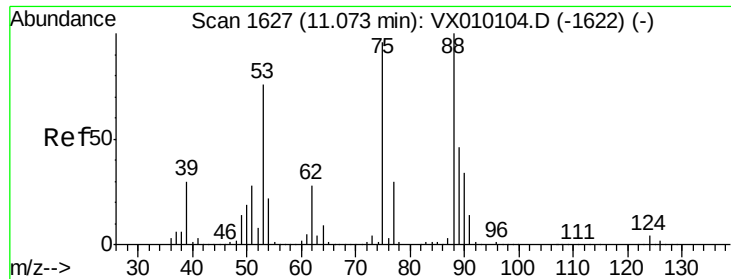
Tgt Ion: 105 Resp: 615972

Ion Ratio Lower Upper

105 100

120 50.4 24.1 72.3





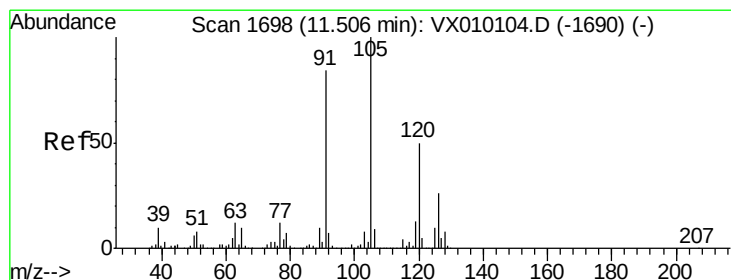
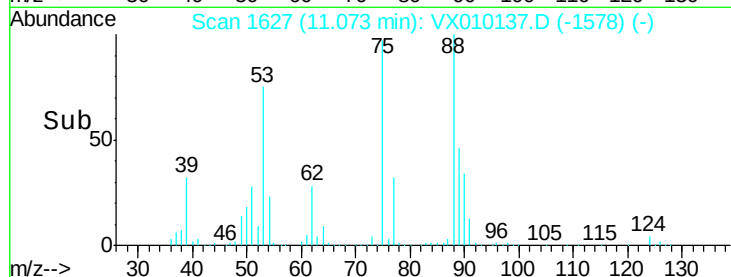
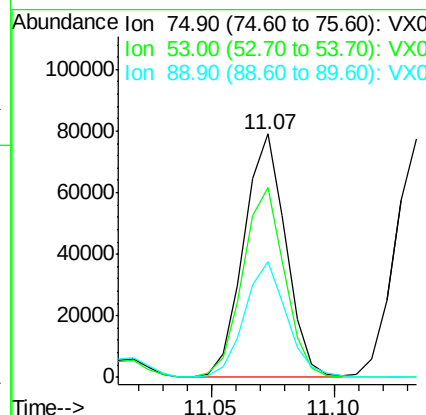
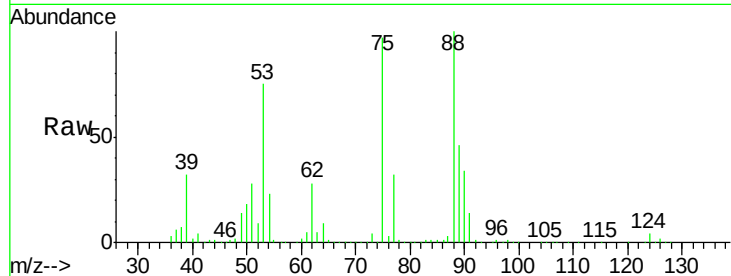
#81
trans-1,4-Dichloro-2-butene
Concen: 47.071 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	78.6	79.8	119.6#
89	48.3	34.2	51.4

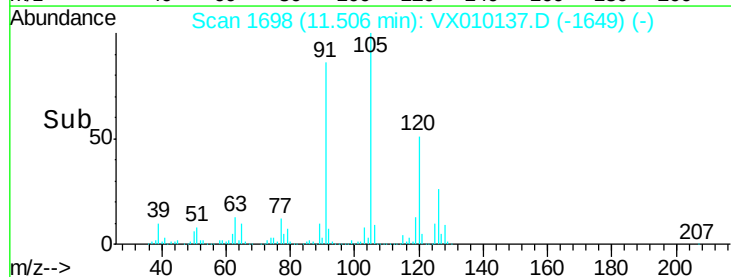
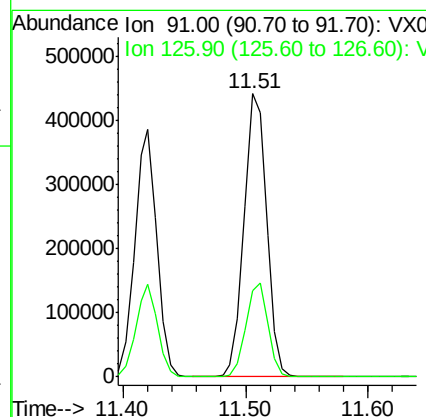
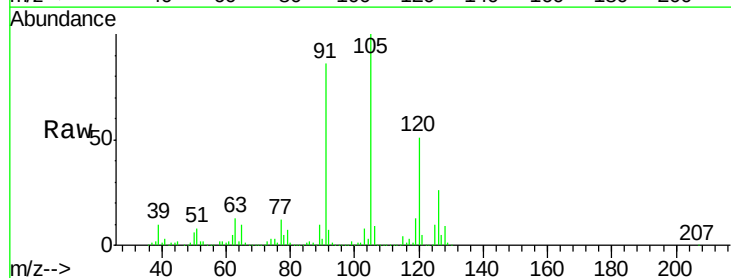
Manual Integrations
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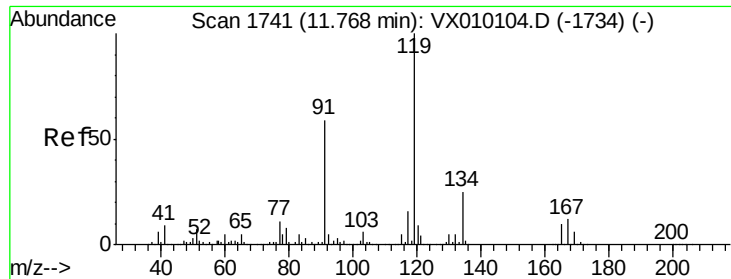
MMDadoda
6/10/2019 9:43:40 AM



#82
4-Chlorotoluene
Concen: 48.127 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	14.2	42.6





#83

tert-Butylbenzene

Concen: 47.583 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

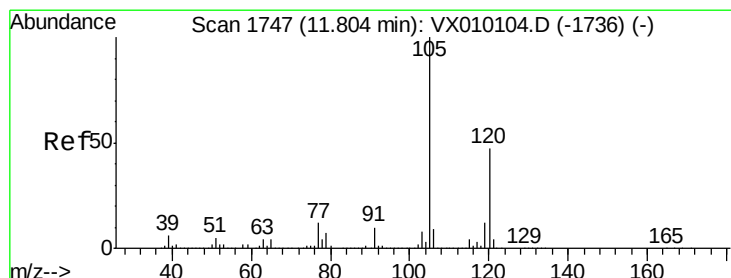
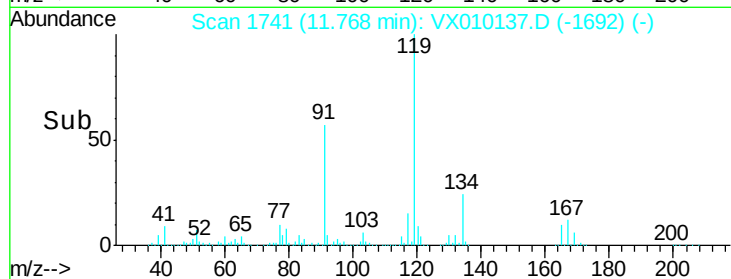
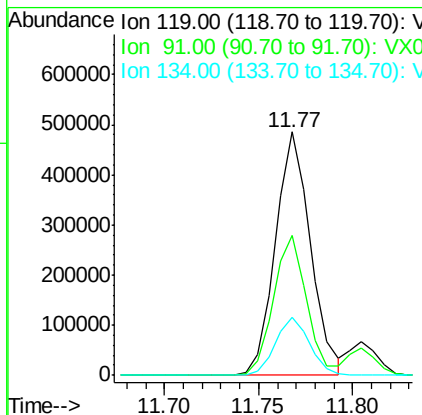
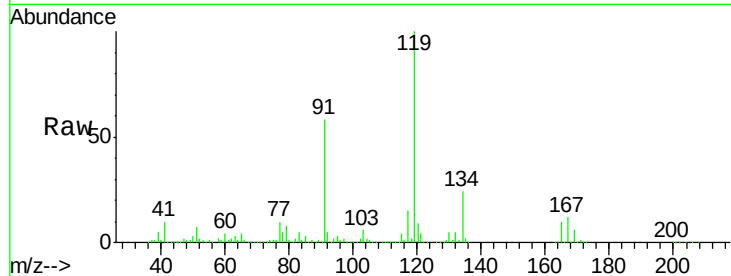
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	625455
Ion Ratio	Lower	Upper	
119	100		
91	54.7	30.0	90.0
134	23.1	11.2	33.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.367 ug/l

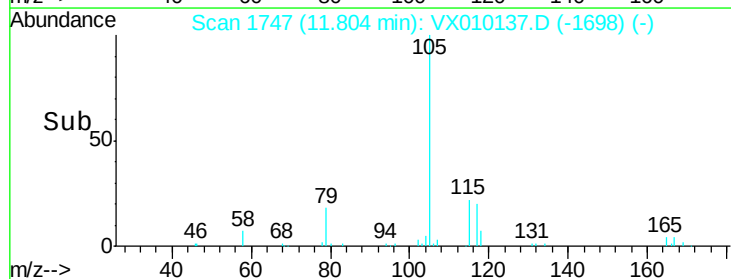
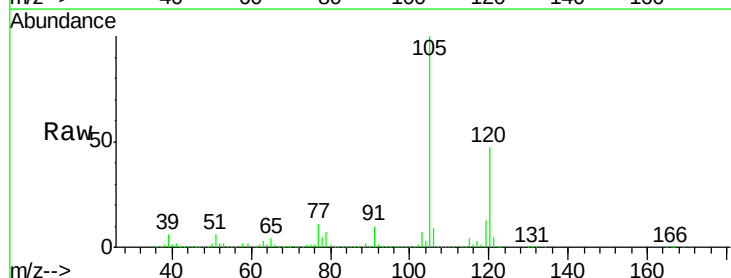
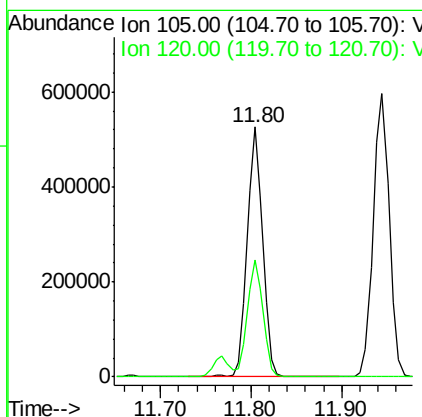
RT: 11.80 min Scan# 1747

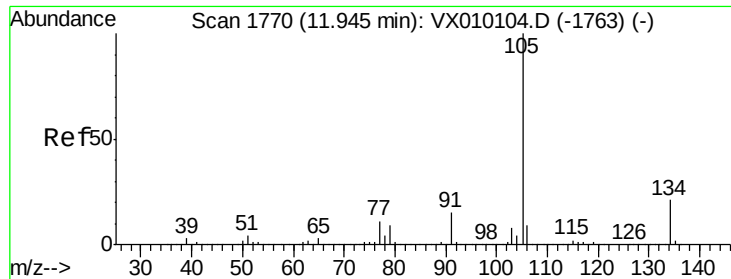
Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Tgt Ion:	105	Resp:	621345
Ion Ratio	Lower	Upper	
105	100		
120	47.2	22.1	66.1





#85

sec-Butylbenzene

Concen: 47.696 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 730407

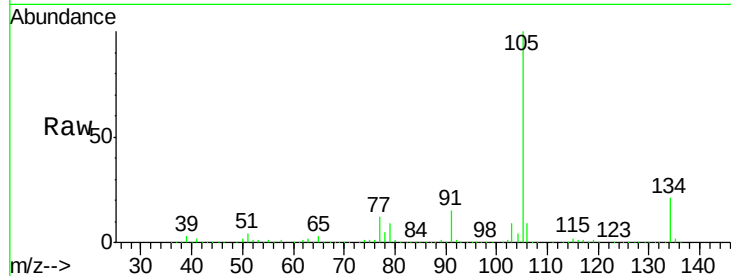
Ion Ratio Lower Upper

105 100

134 21.3 9.7 28.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

400000

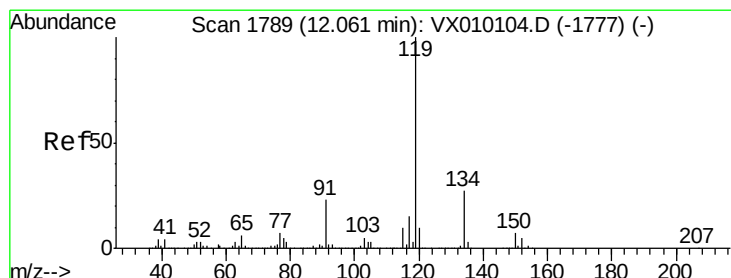
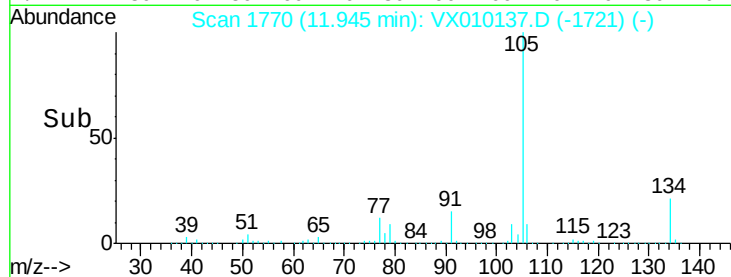
200000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 48.974 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

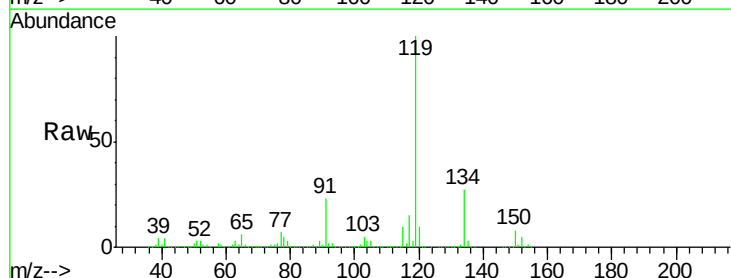
Tgt Ion:119 Resp: 685621

Ion Ratio Lower Upper

119 100

134 27.4 12.9 38.6

91 22.8 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

400000

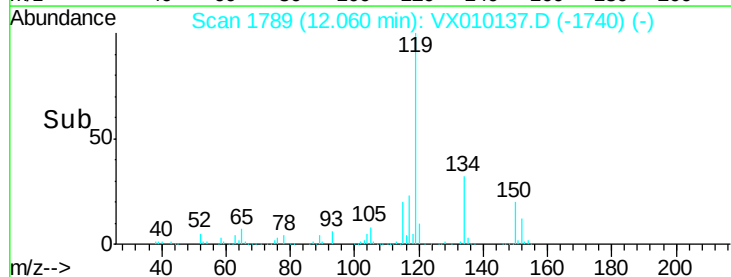
200000

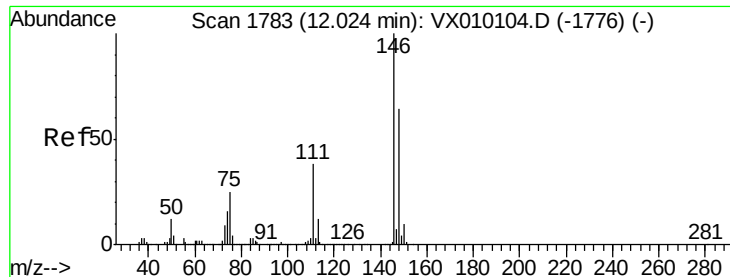
0

12.00

12.10

Time-->





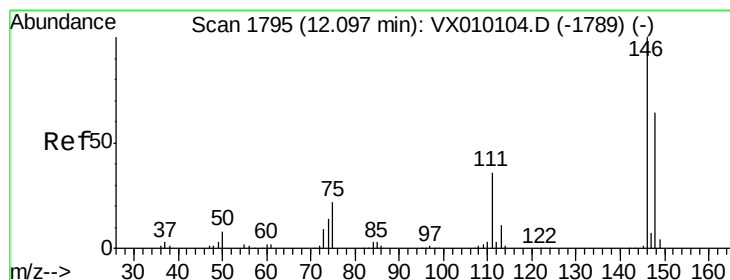
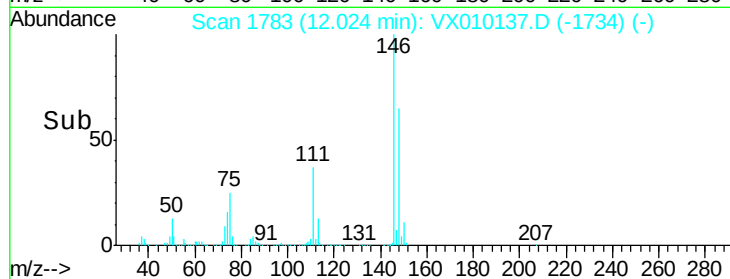
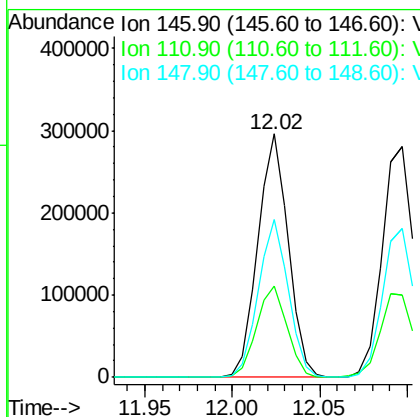
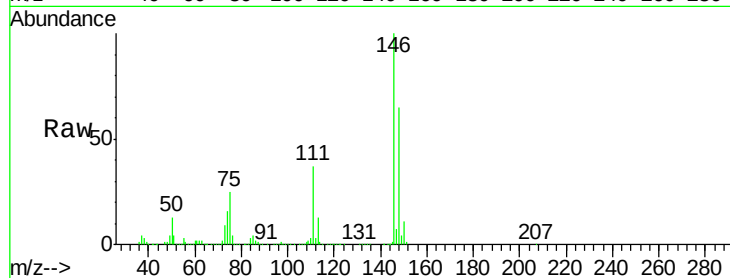
#87
 1,3-Dichlorobenzene
 Concen: 47.843 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.1	60.2
148	64.0	31.9	95.5

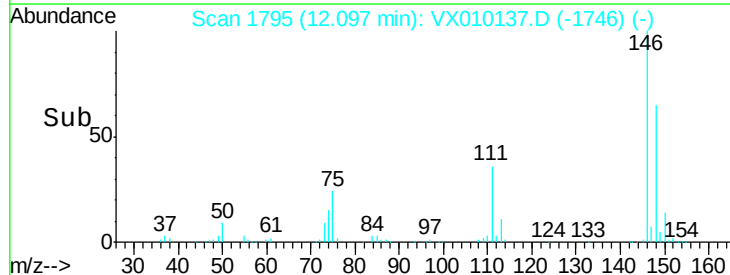
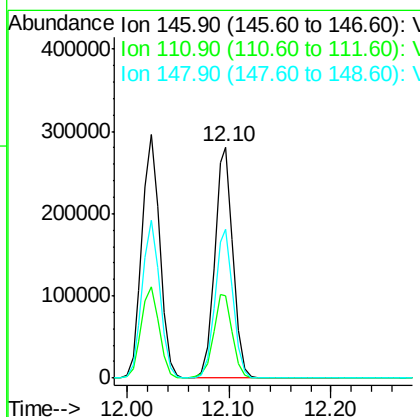
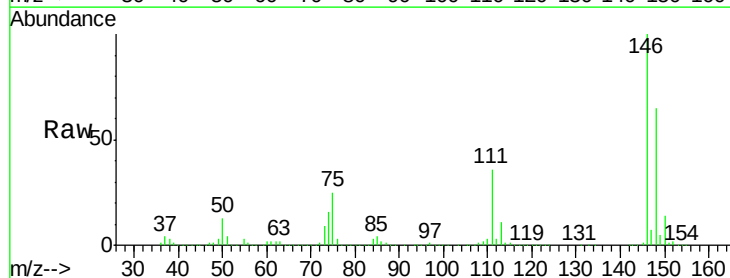
Manual Integrations
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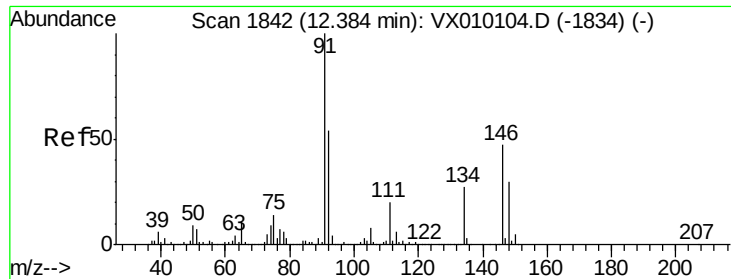
MMDadoda
 6/10/2019 9:43:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.786 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.0	59.9
148	64.4	32.3	96.9





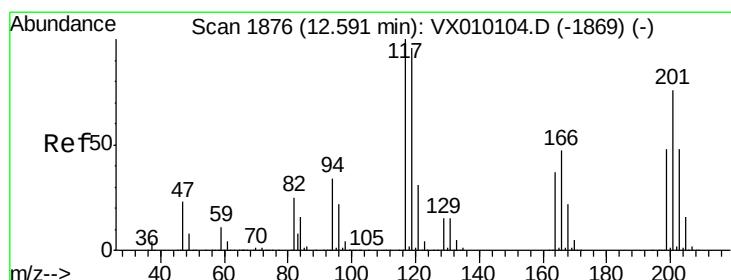
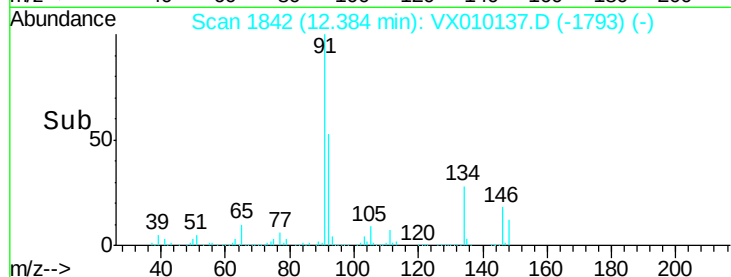
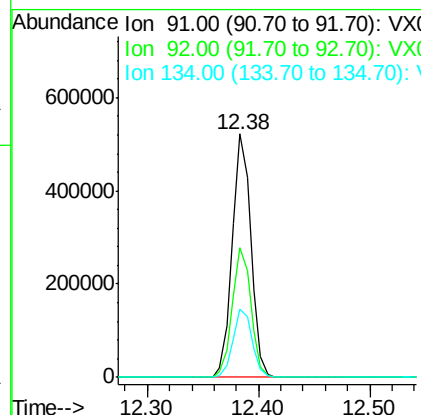
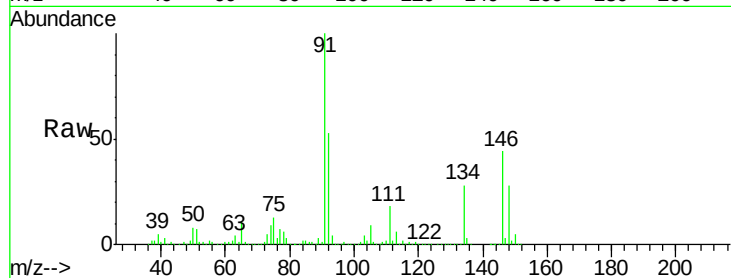
#89
n-Butylbenzene
Concen: 50.251 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.3	78.8
134	28.5	12.3	36.8

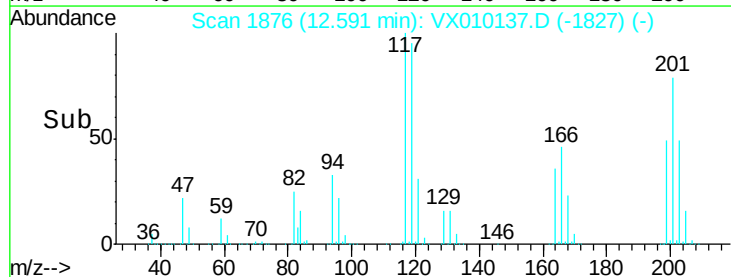
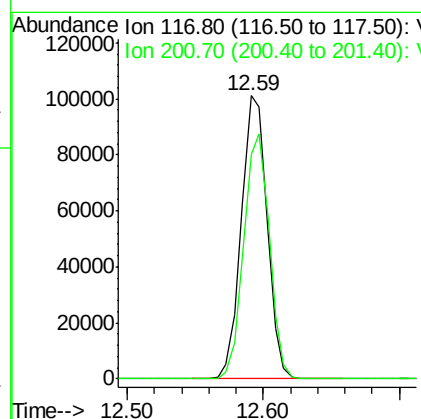
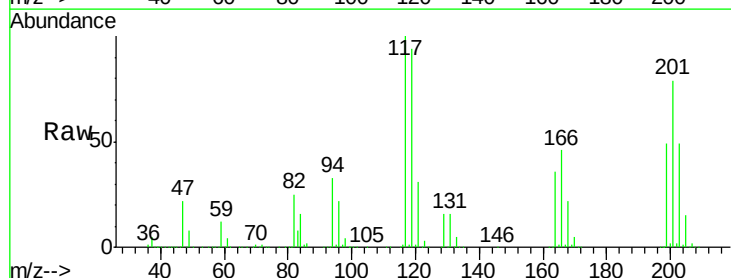
Manual Integrations
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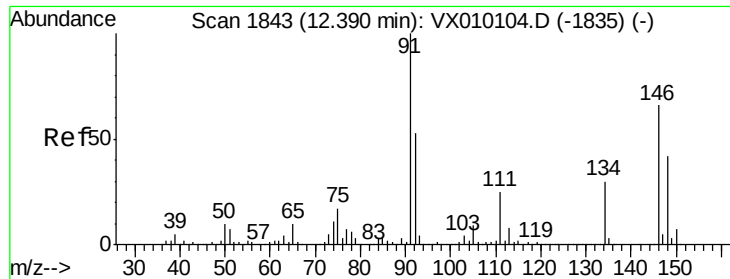
MMDadoda
6/10/2019 9:43:40 AM



#90
Hexachloroethane
Concen: 47.935 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010137.D
Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	43.6	130.9





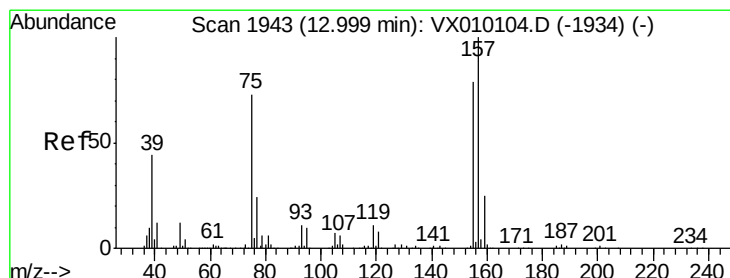
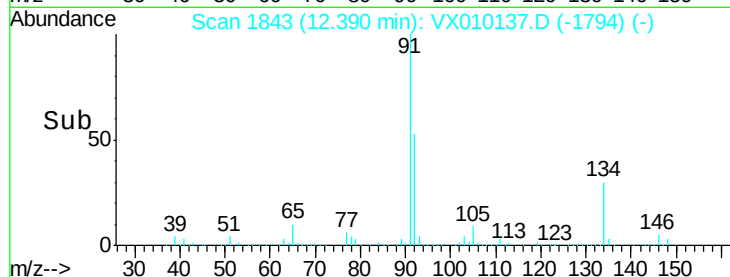
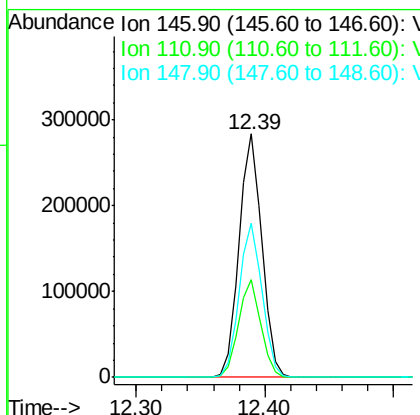
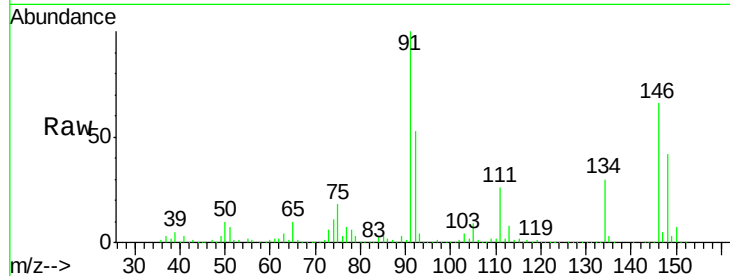
#91
 1,2-Dichlorobenzene
 Concen: 47.915 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.1	63.1
148	63.7	32.3	96.8

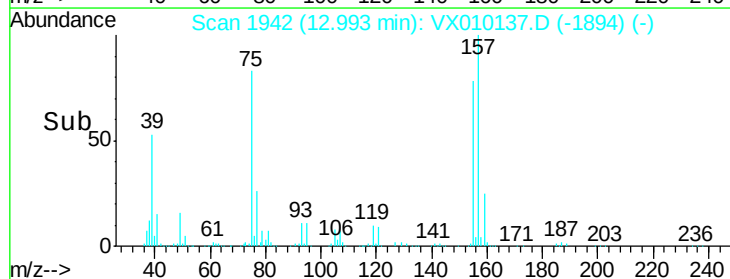
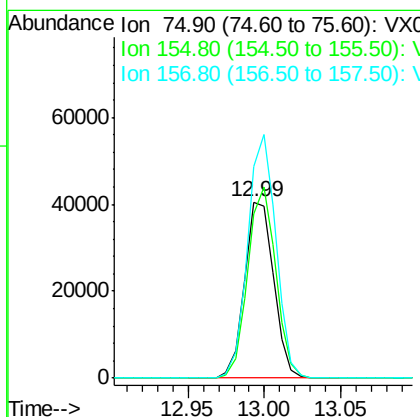
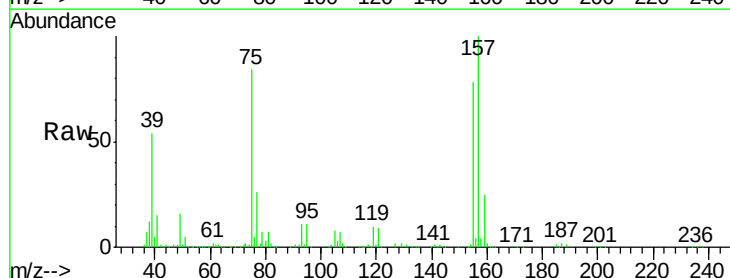
Manual Integrations
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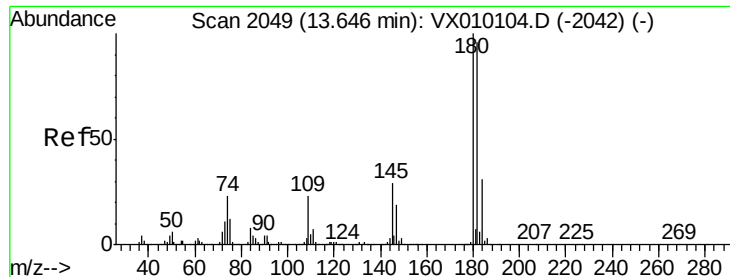
MMDadoda
 6/10/2019 9:43:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.235 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.3	39.3	117.8
157	133.7	50.6	151.8





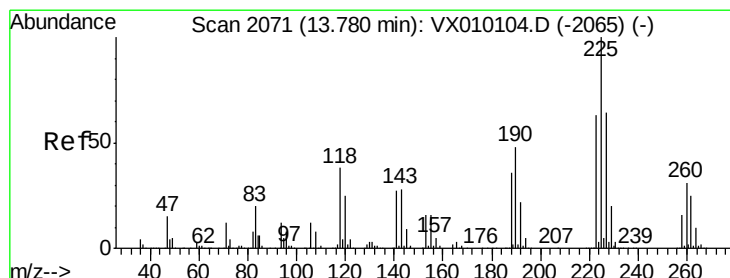
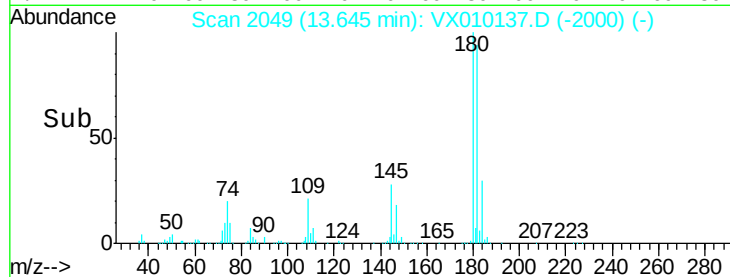
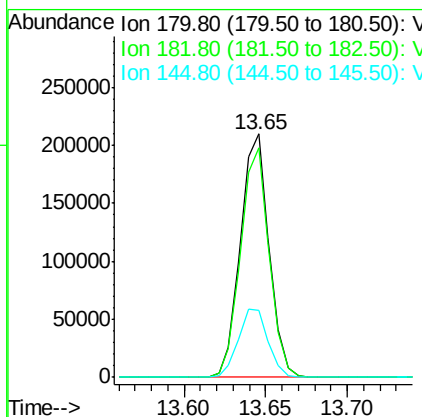
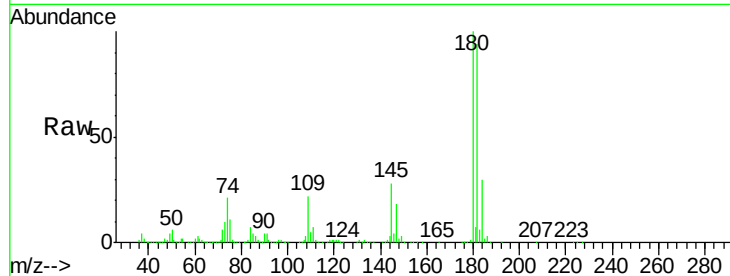
#93
 1,2,4-Trichlorobenzene
 Concen: 48.241 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	256395		
182	94.3	47.4	142.2	
145	29.2	14.5	43.5	

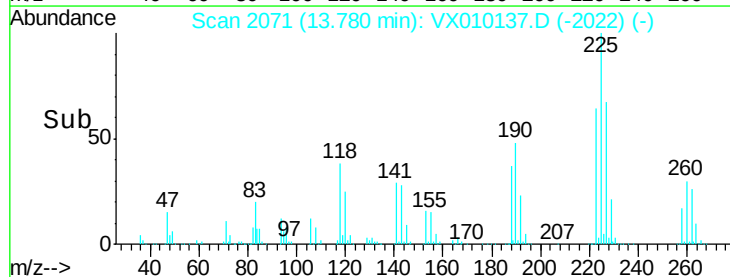
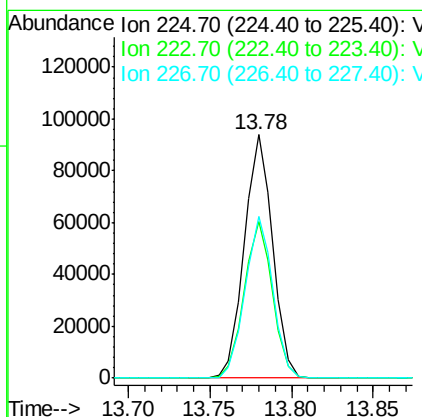
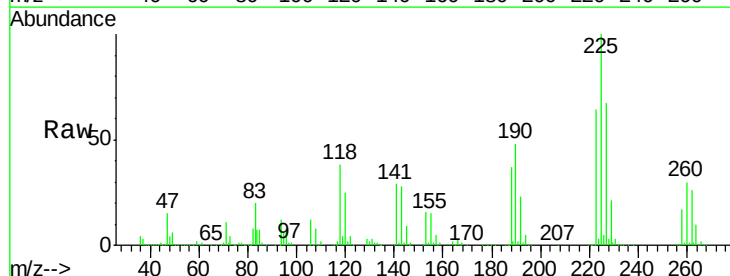
Manual Integrations
 APPROVED

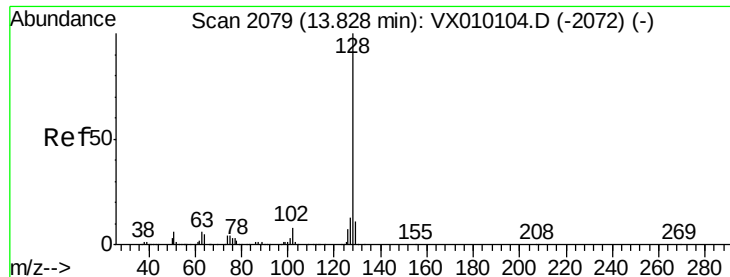
MMDadoda
 6/10/2019 9:43:40 AM



#94
 Hexachlorobutadiene
 Concen: 48.036 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010137.D
 Acq: 08 Jun 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113541		
223	64.1	31.3	93.8	
227	65.2	32.3	96.8	





#95

Naphthalene

Concen: 46.000 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Instrument :

MSVOA_X

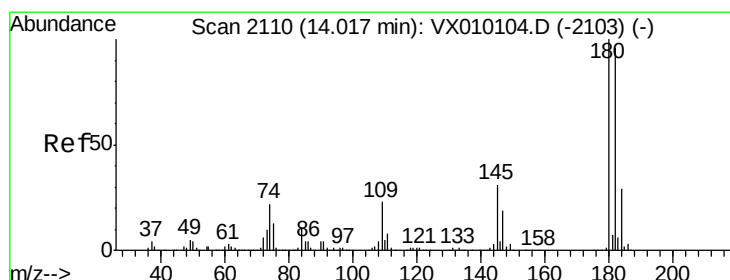
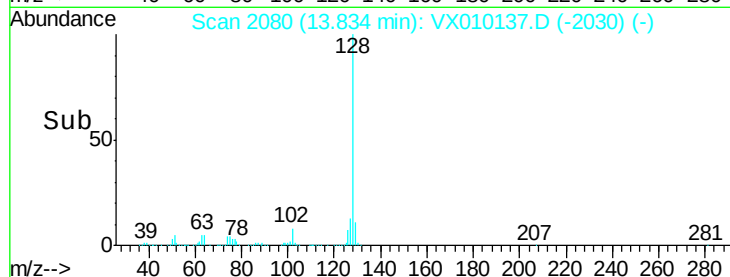
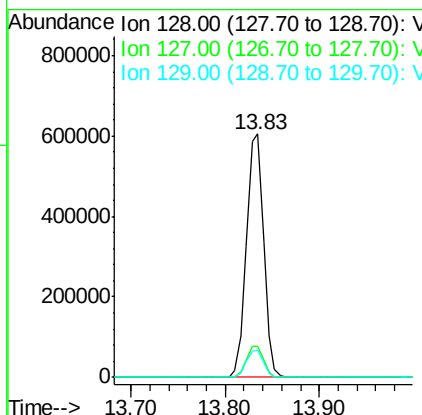
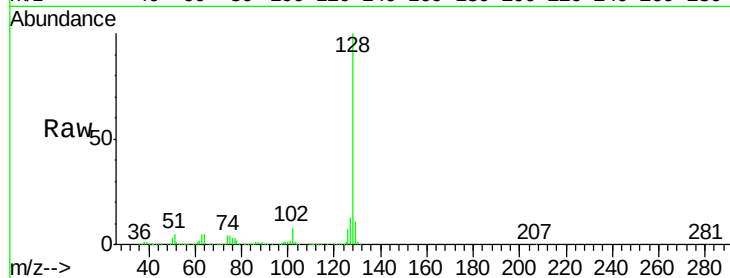
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	769608
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/10/2019 9:43:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.555 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010137.D

Acq: 08 Jun 2019 14:38

Tgt Ion:	180	Resp:	249903
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.3	142.0
145	31.3	15.6	46.7

