

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010289.D
 Acq On : 14 Jun 2019 10:22
 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
 6/17/2019 10:30:51 AM

Quant Time: Jun 14 16:25:57 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	5.65	168	309989	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	451509	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	412409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212019	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	137136	45.32	ug/l	0.00
Spiked Amount						
			Recovery	=	90.64%	
35) Dibromofluoromethane	5.49	113	138589	49.76	ug/l	0.00
Spiked Amount						
			Recovery	=	99.52%	
50) Toluene-d8	8.71	98	522478	50.06	ug/l	0.00
Spiked Amount						
			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.13	95	189319	48.57	ug/l	0.00
Spiked Amount						
			Recovery	=	97.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	152714	53.540	ug/l	98
3) Chloromethane	1.32	50	135274	47.754	ug/l	99
4) Vinyl Chloride	1.41	62	150966	56.704	ug/l	100
5) Bromomethane	1.64	94	63612	63.317	ug/l	96
6) Chloroethane	1.71	64	86891	64.733	ug/l	100
7) Trichlorofluoromethane	1.92	101	239929	60.669	ug/l	100
8) Diethyl Ether	2.18	74	82847	60.780	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.38	101	143665	52.701	ug/l	92
10) Methyl Iodide	2.51	142	198634	47.029	ug/l	98
11) Tert butyl alcohol	3.05	59	190139	256.512	ug/l	97
12) 1,1-Dichloroethene	2.37	96	136140	48.894	ug/l #	80
13) Acrolein	2.29	56	39944	295.532	ug/l	100
14) Allyl chloride	2.73	41	203341	48.381	ug/l #	89
15) Acrylonitrile	3.14	53	392955	259.360	ug/l	98
16) Acetone	2.44	43	383359	269.368	ug/l	90
17) Carbon Disulfide	2.56	76	346045	43.012	ug/l	100
18) Methyl Acetate	2.77	43	165958	53.024	ug/l #	83
19) Methyl tert-butyl Ether	3.19	73	449611	50.262	ug/l	94
20) Methylene Chloride	2.85	84	153272	49.039	ug/l #	77
21) trans-1,2-Dichloroethene	3.16	96	147172	47.762	ug/l #	77
22) Diisopropyl ether	3.85	45	418961	52.137	ug/l #	83
23) Vinyl Acetate	3.81	43	1851010	258.205	ug/l #	87
24) 1,1-Dichloroethane	3.69	63	240389	49.271	ug/l	95
25) 2-Butanone	4.67	43	567179	267.633	ug/l #	83
26) 2,2-Dichloropropane	4.58	77	219652	49.349	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	173832	50.711	ug/l	78
28) Bromochloromethane	5.01	49	103260	47.224	ug/l #	50
29) Tetrahydrofuran	5.12	42	342329	257.033	ug/l #	76
30) Chloroform	5.21	83	259881	51.289	ug/l	98
31) Cyclohexane	5.58	56	222223	50.467	ug/l #	80
32) 1,1,1-Trichloroethane	5.49	97	231961	48.695	ug/l	93
36) 1,1-Dichloropropene	5.80	75	189675	51.491	ug/l	92
37) Ethyl Acetate	4.83	43	200166	52.226	ug/l #	91
38) Carbon Tetrachloride	5.78	117	214092	51.348	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	256613	51.159	ug/l #	83
40) Benzene	6.14	78	601128	52.775	ug/l	98
41) Methacrylonitrile	5.04	41	109827	52.973	ug/l #	84
42) 1,2-Dichloroethane	6.19	62	186175	51.197	ug/l	93
43) Isopropyl Acetate	6.44	43	336050	52.440	ug/l #	89
44) Trichloroethene	7.21	130	180855	52.675	ug/l	86
45) 1,2-Dichloropropane	7.51	63	150822	52.902	ug/l	98
46) Dibromomethane	7.66	93	107872	50.505	ug/l	90
47) Bromodichloromethane	7.89	83	206676	51.785	ug/l	97
48) Methyl methacrylate	7.77	41	157119	52.426	ug/l #	77
49) 1,4-Dioxane	7.74	88	84138	984.684	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	1047374	273.588	ug/l	90
52) Toluene	8.78	92	394244	52.654	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	235776	51.074	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	255349	51.596	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	166357	54.251	ug/l	96
56) Ethyl methacrylate	9.18	69	254945	52.632	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	256744	53.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	584762	256.077	ug/l #	86
59) 2-Hexanone	9.49	43	825239	270.363	ug/l	88
60) Dibromochloromethane	9.58	129	194816	53.712	ug/l	99
61) 1,2-Dibromoethane	9.67	107	180229	52.772	ug/l	99
64) Tetrachloroethene	9.34	164	171154	55.877	ug/l	95
65) Chlorobenzene	10.13	112	449050	52.756	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	172232	52.617	ug/l	99
67) Ethyl Benzene	10.25	91	768220	53.017	ug/l	95
68) m/p-Xylenes	10.35	106	593625	105.868	ug/l	90
69) o-Xylene	10.69	106	290921	52.194	ug/l	89
70) Styrene	10.71	104	499474	52.909	ug/l	95
71) Bromoform	10.85	173	156428	51.983	ug/l	98
73) Isopropylbenzene	11.02	105	778101	52.573	ug/l	96
74) N-amyl acetate	10.90	43	296032	50.599	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	253074	49.952	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	214289m	50.530	ug/l	
77) Bromobenzene	11.25	156	212487	52.208	ug/l	80
78) n-propylbenzene	11.36	91	875529	53.137	ug/l	94
79) 2-Chlorotoluene	11.42	91	506481	51.180	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	647643	51.953	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	93796	48.867	ug/l	85
82) 4-Chlorotoluene	11.51	91	580537	51.642	ug/l	91
83) tert-Butylbenzene	11.77	119	651177	51.610	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	654254	51.959	ug/l	95
85) sec-Butylbenzene	11.94	105	775621	52.765	ug/l	95
86) p-Isopropyltoluene	12.06	119	721505	53.691	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	377008	52.589	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	375061	51.898	ug/l	98
89) n-Butylbenzene	12.38	91	631701	54.611	ug/l	97
90) Hexachloroethane	12.60	117	134269	50.158	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	367033	52.662	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54114	45.391	ug/l	66

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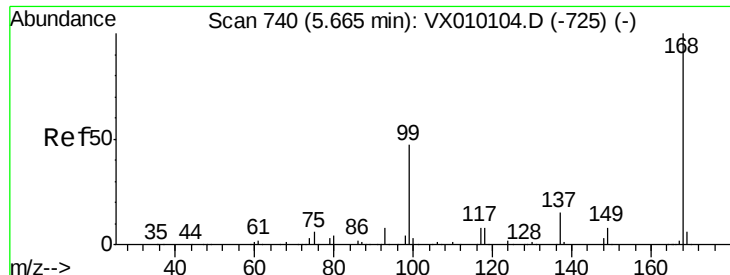
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	271127	53.145	ug/l	99
94) Hexachlorobutadiene	13.78	225	130340	57.447	ug/l	99
95) Naphthalene	13.83	128	827745	51.542	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	266513	52.835	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

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Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 309989

Ion Ratio Lower Upper

168 100

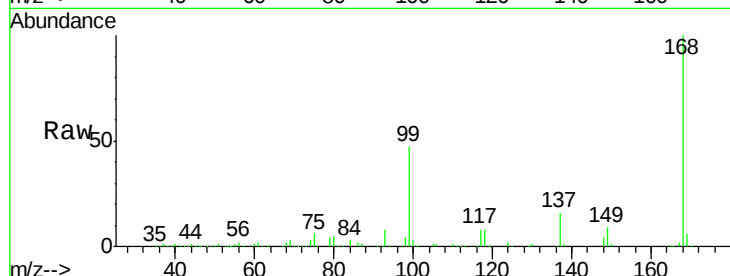
99 47.3 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

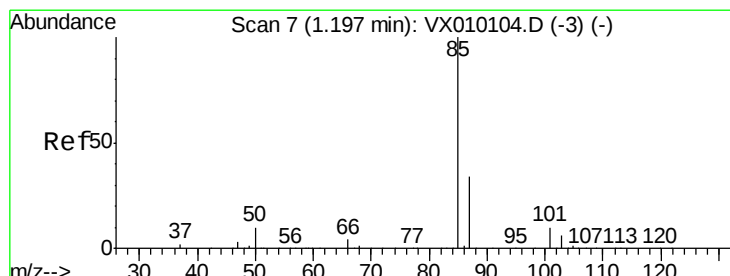
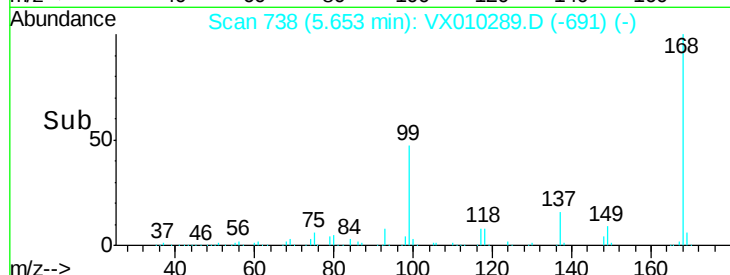
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.540 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010289.D

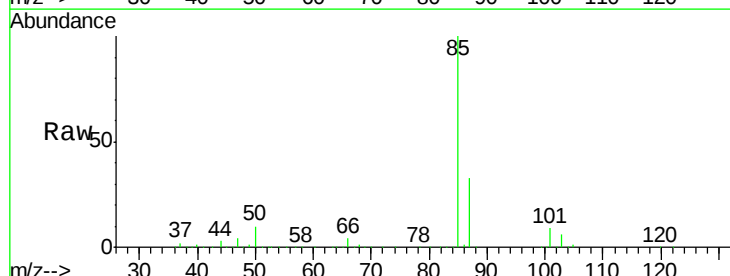
Acq: 14 Jun 2019 10:22

Tgt Ion: 85 Resp: 152714

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

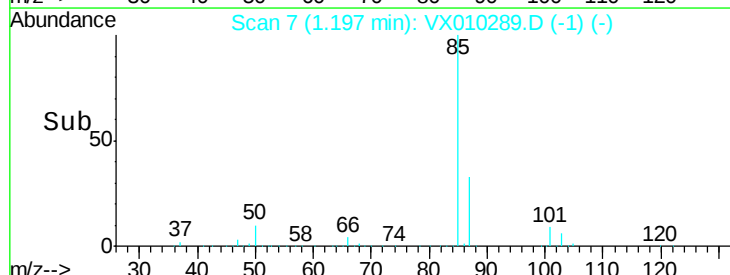
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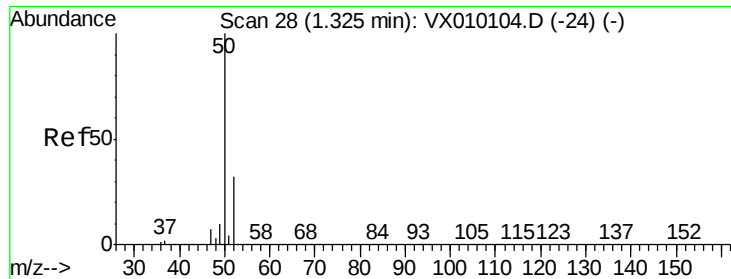
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50000

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Time-->





#3

Chloromethane

Concen: 47.754 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 135274

Ion Ratio Lower Upper

50 100

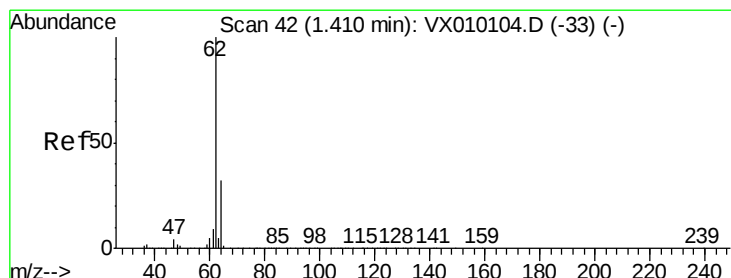
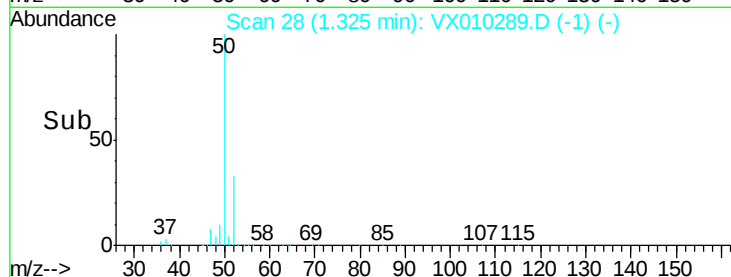
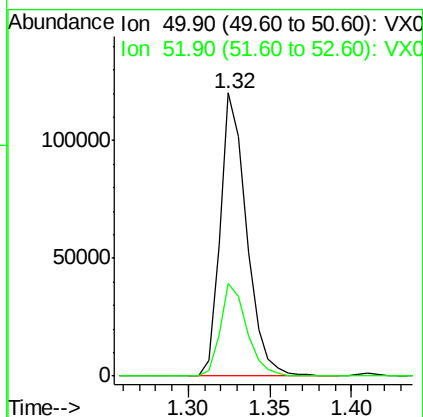
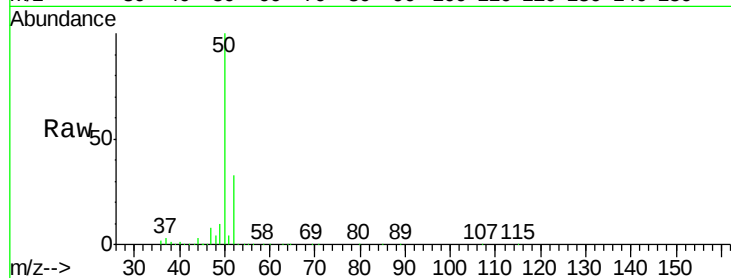
52 32.9 26.0 39.0

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#4

Vinyl Chloride

Concen: 56.704 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010289.D

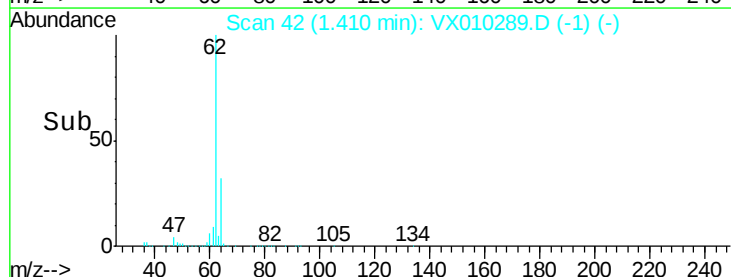
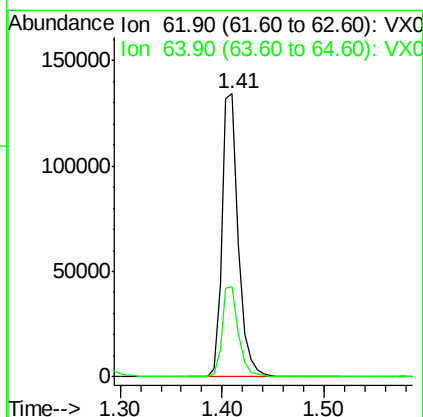
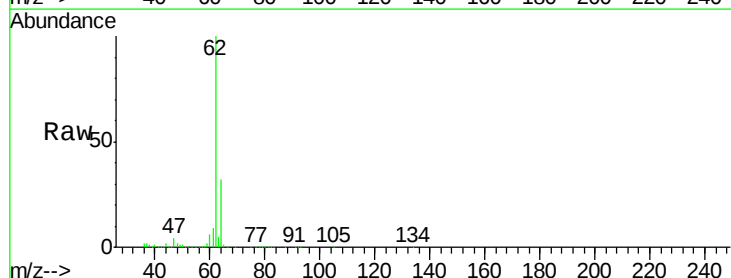
Acq: 14 Jun 2019 10:22

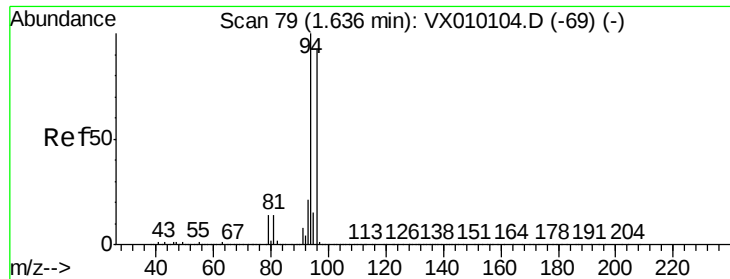
Tgt Ion: 62 Resp: 150966

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5





#5

Bromomethane

Concen: 63.317 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 63612

Ion Ratio Lower Upper

94 100

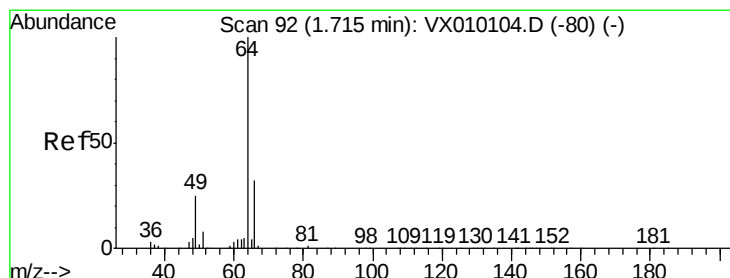
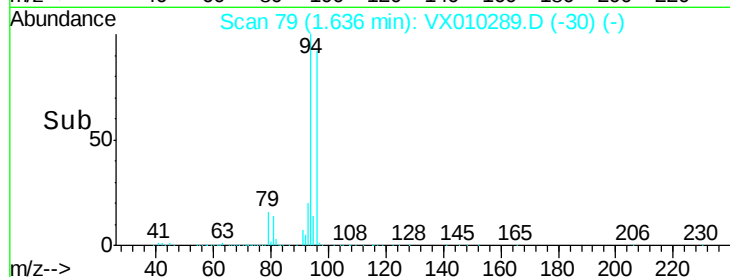
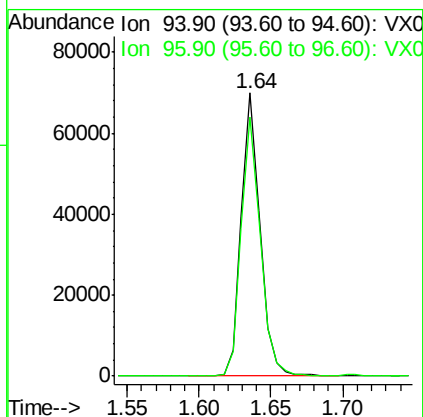
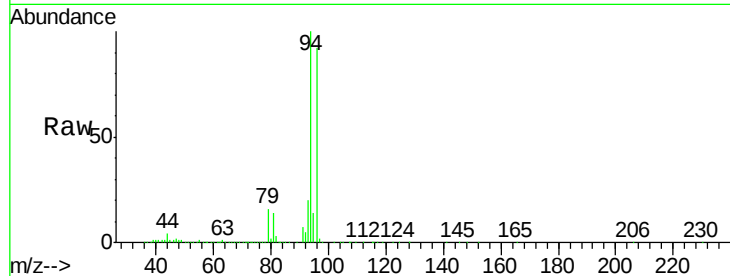
96 91.5 76.2 114.4

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#6

Chloroethane

Concen: 64.733 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010289.D

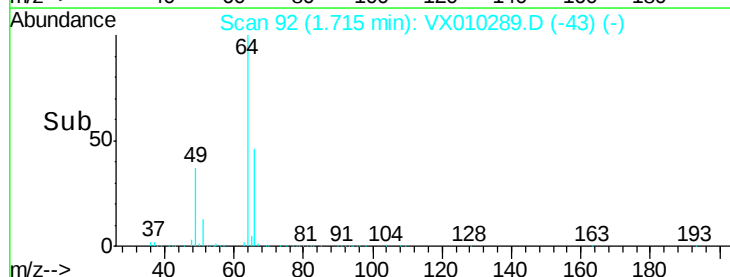
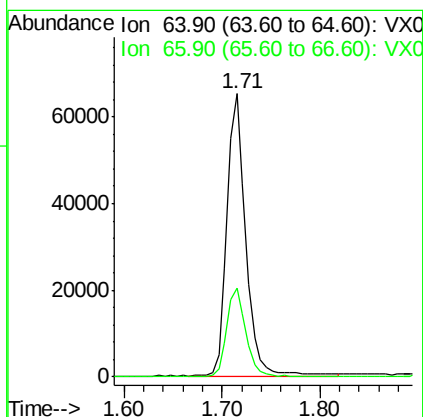
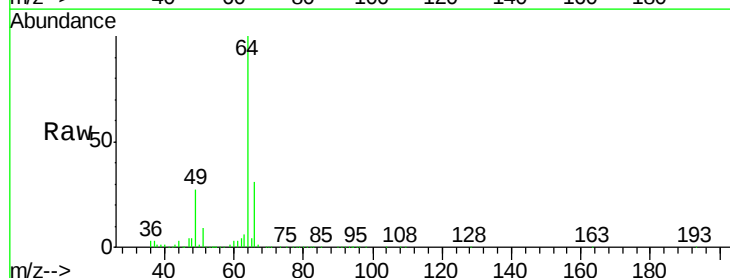
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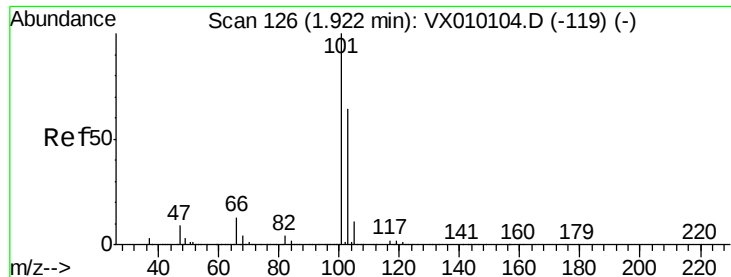
Tgt Ion: 64 Resp: 86891

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

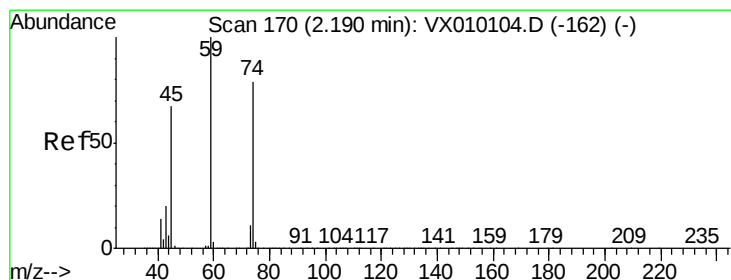
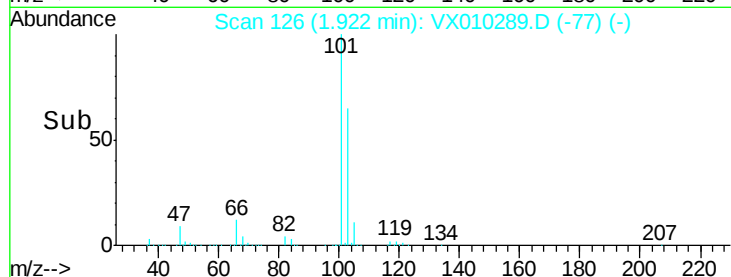
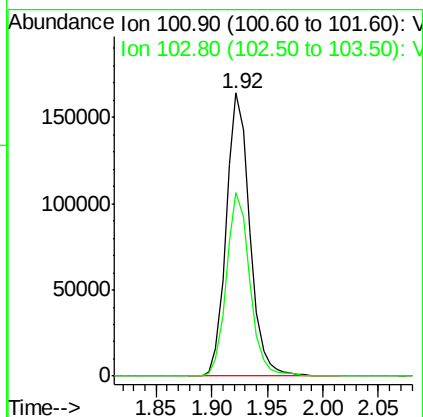
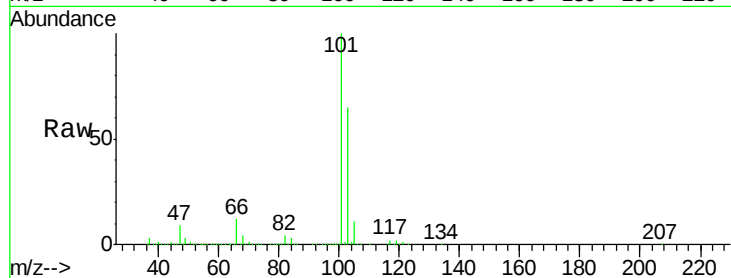
Trichlorofluoromethane
Concen: 60.669 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX010289.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.4

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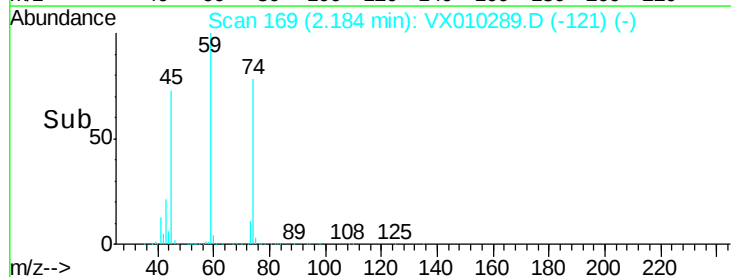
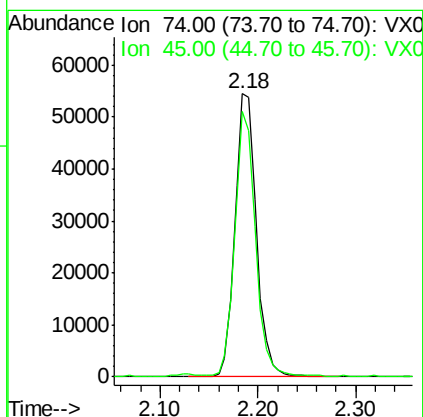
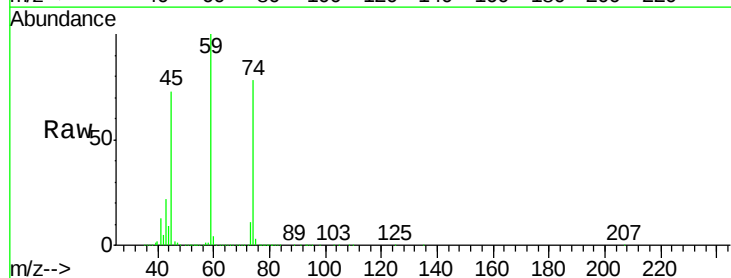
MMDadoda
6/17/2019 10:30:51 AM

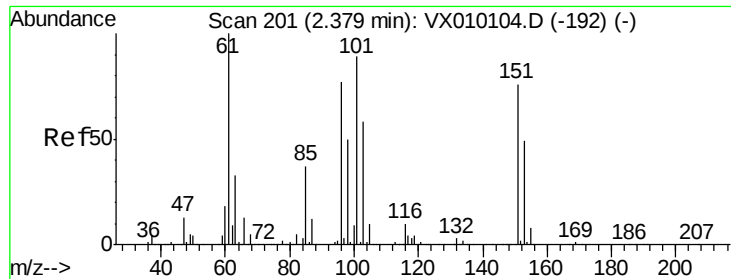


#8

Diethyl Ether
Concen: 60.780 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.1	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.701 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

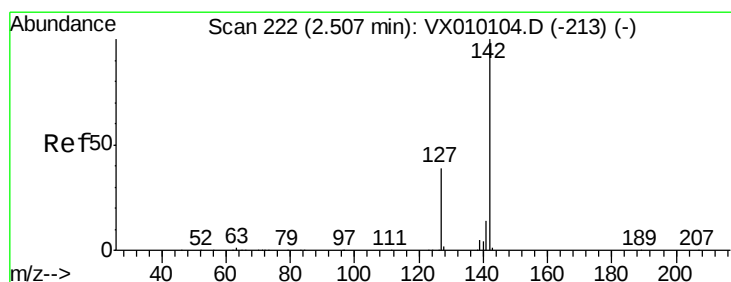
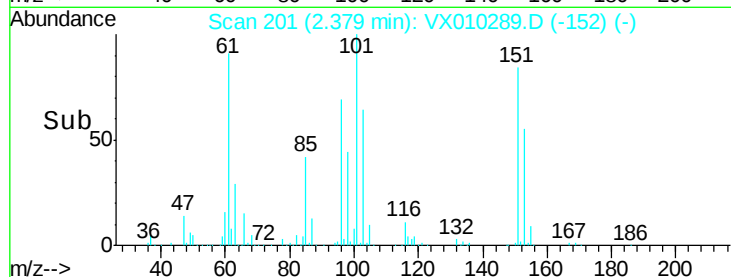
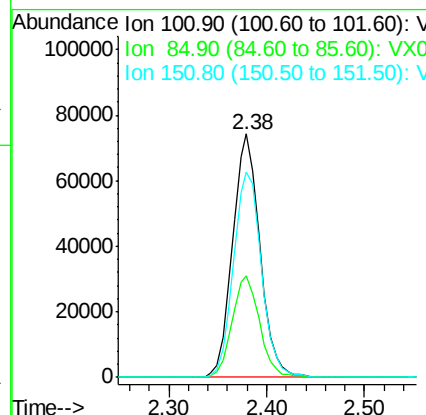
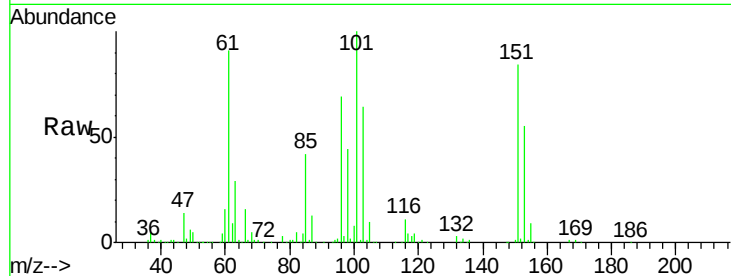
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	143665
Ion Ratio	Lower	Upper	
101	100		
85	42.0	35.2	52.8
151	87.0	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 47.029 ug/l

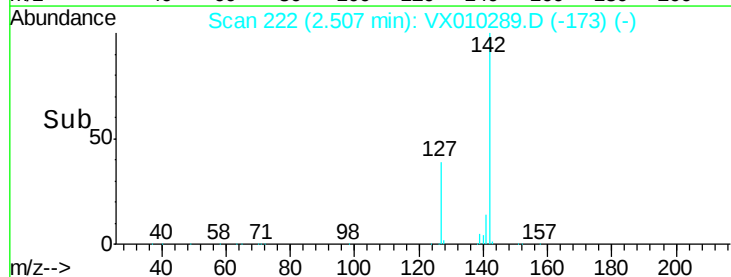
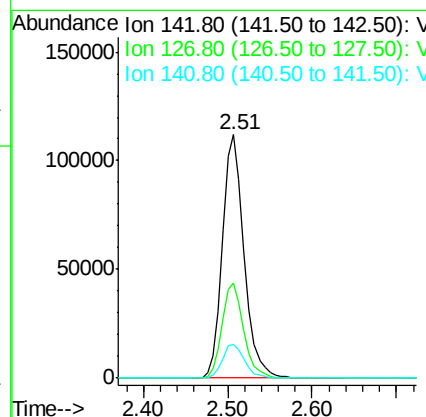
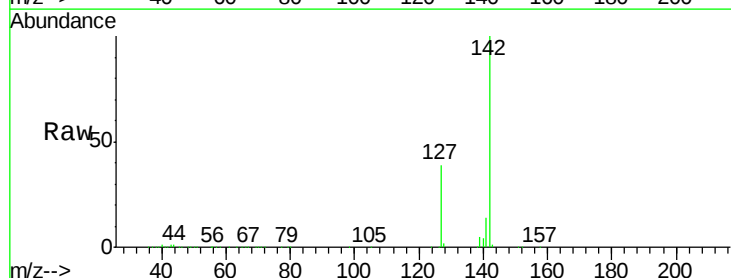
RT: 2.51 min Scan# 222

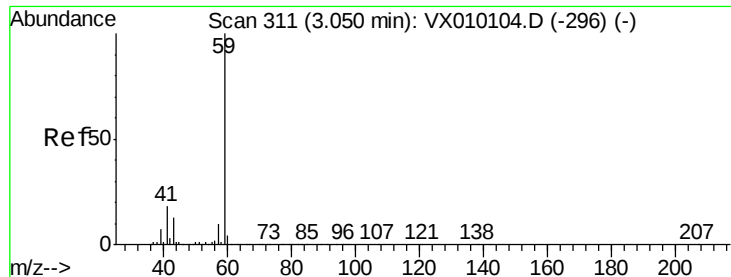
Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Tgt Ion:	142	Resp:	198634
Ion Ratio	Lower	Upper	
142	100		
127	39.2	33.0	49.4
141	14.3	11.4	17.0





#11

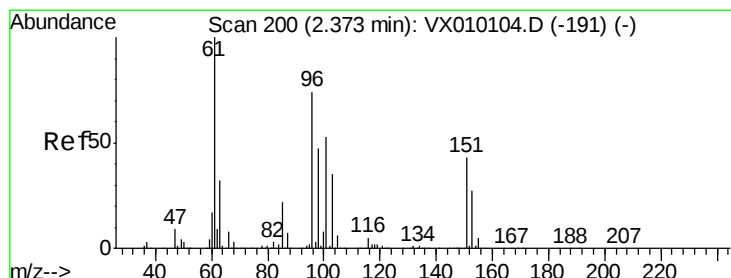
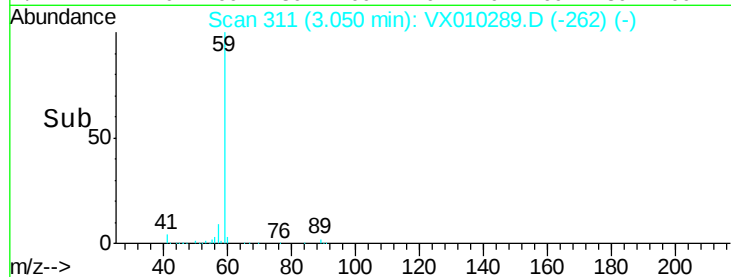
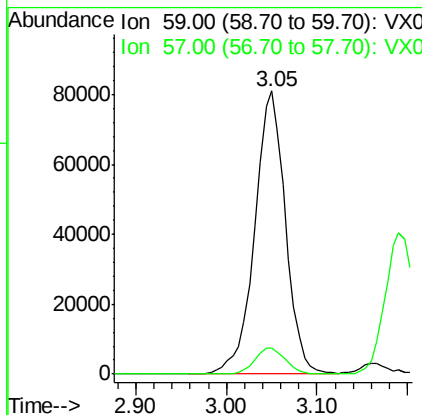
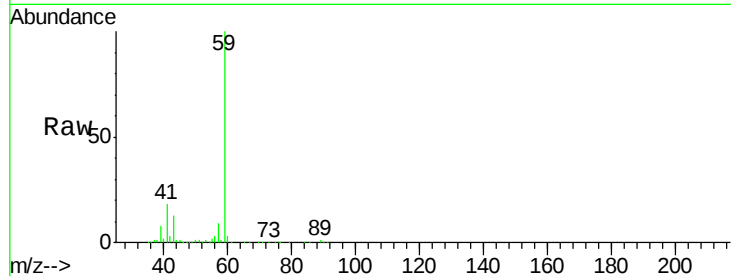
Tert butyl alcohol
Concen: 256.512 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	190139		
57	9.1	8.2	12.2	

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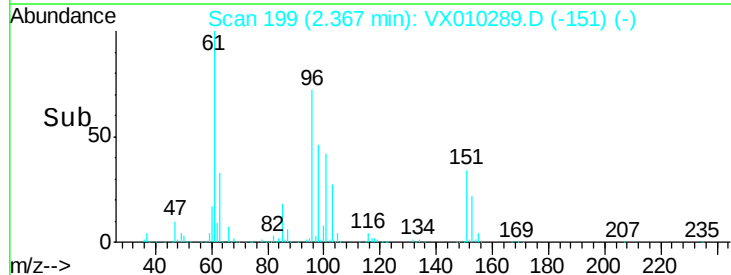
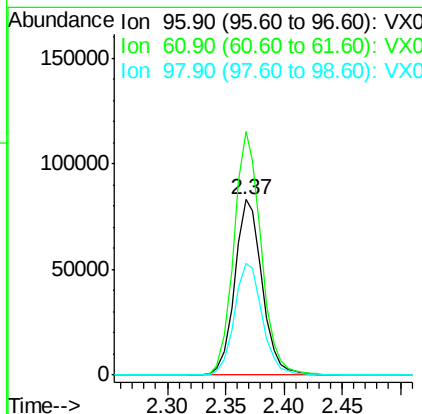
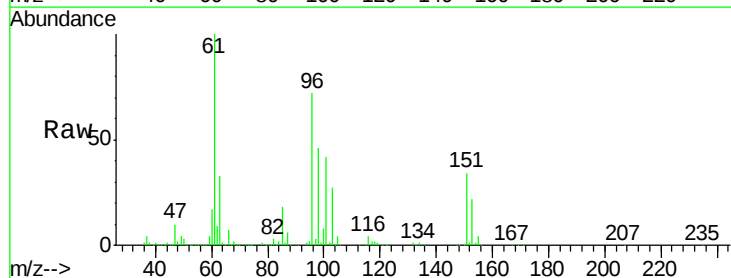
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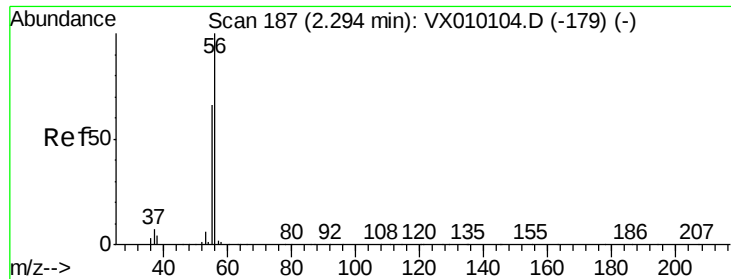


#12

1,1-Dichloroethene
Concen: 48.894 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	136140		
61	138.6	140.7	211.1#	
98	63.9	50.1	75.1	





#13

Acrolein

Concen: 295.532 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39944

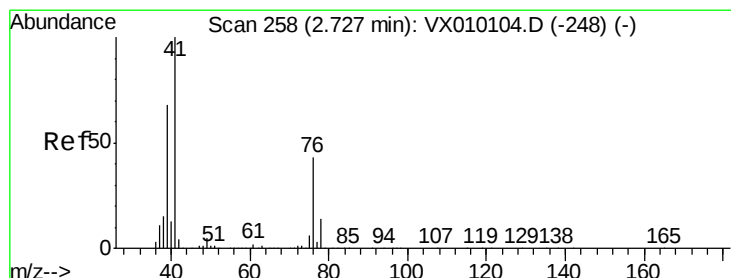
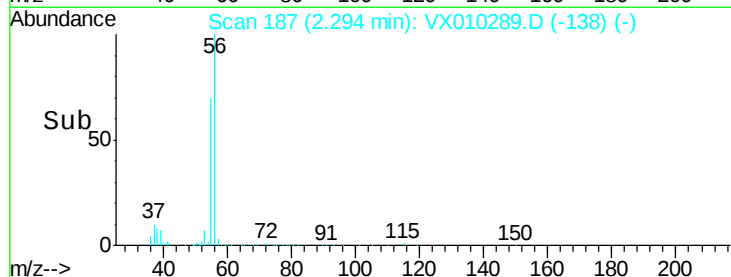
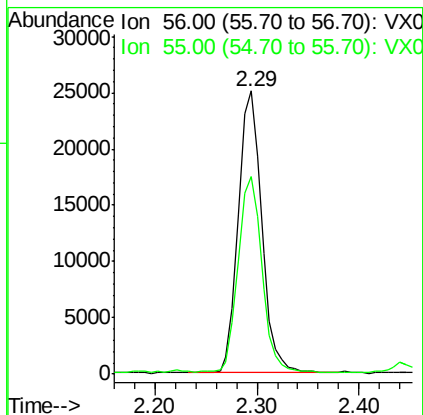
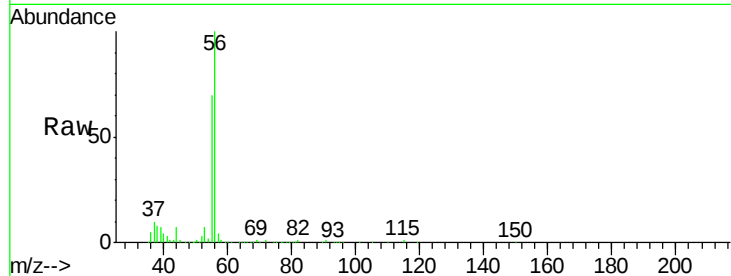
Ion Ratio Lower Upper

56 100

55 71.6 57.0 85.4

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#14

Allyl chloride

Concen: 48.381 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

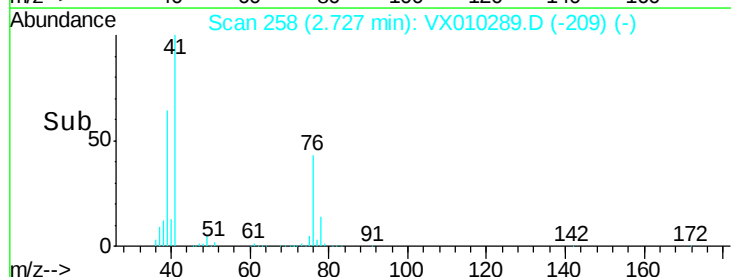
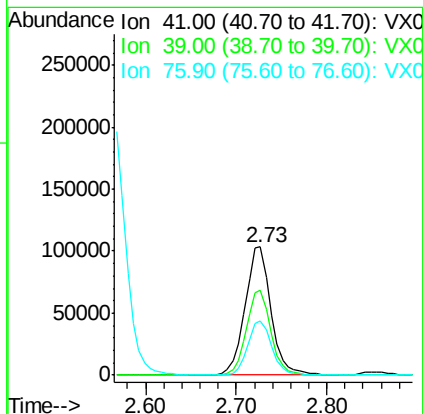
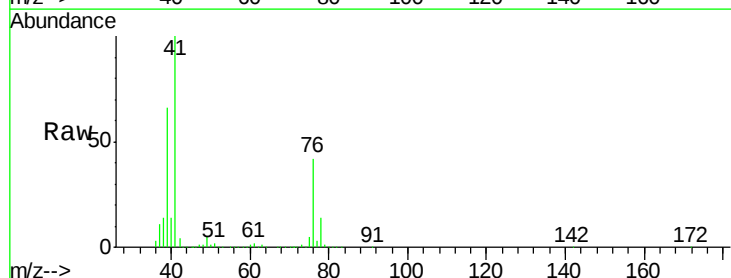
Tgt Ion: 41 Resp: 203341

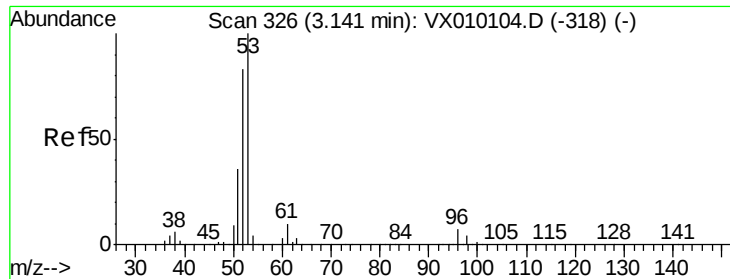
Ion Ratio Lower Upper

41 100

39 62.0 46.7 70.1

76 39.2 21.0 31.4#





#15

Acrylonitrile

Concen: 259.360 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

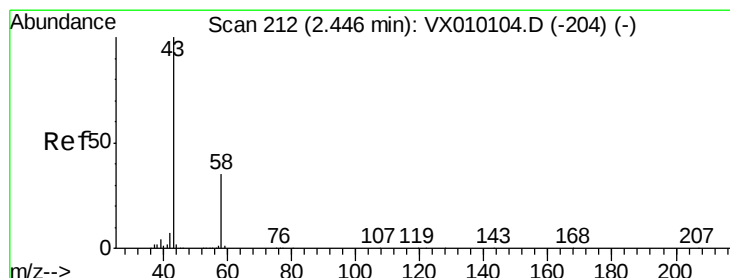
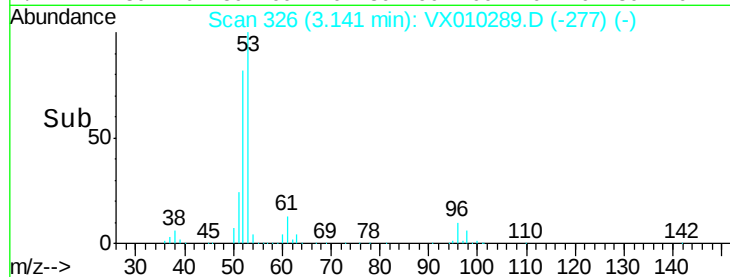
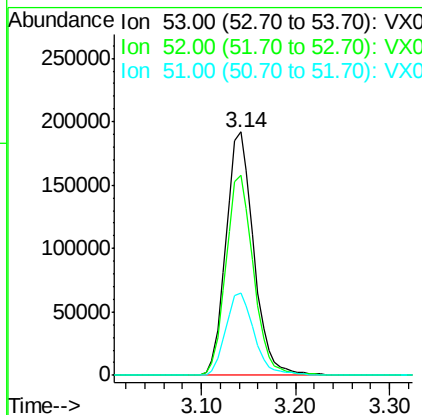
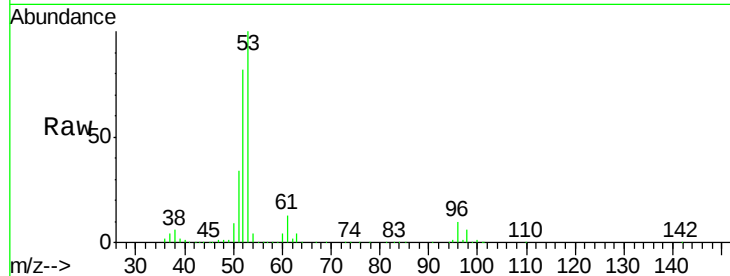
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	392955
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.7	100.1
51	34.7	28.8	43.2

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#16

Acetone

Concen: 269.368 ug/l

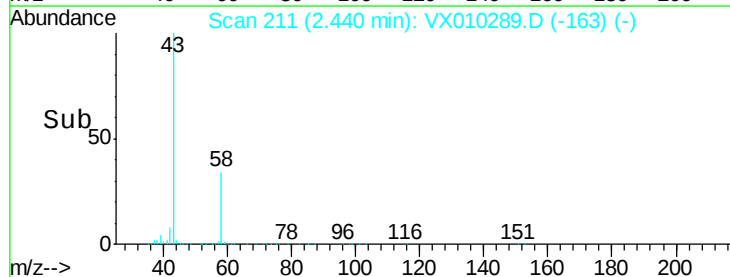
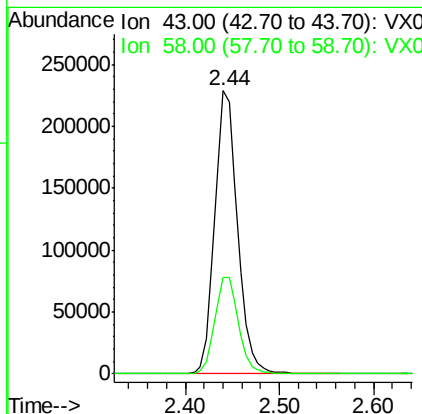
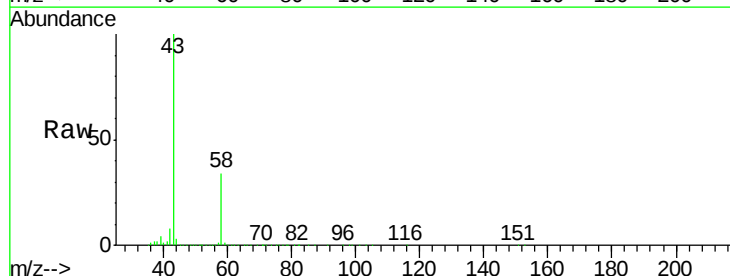
RT: 2.44 min Scan# 211

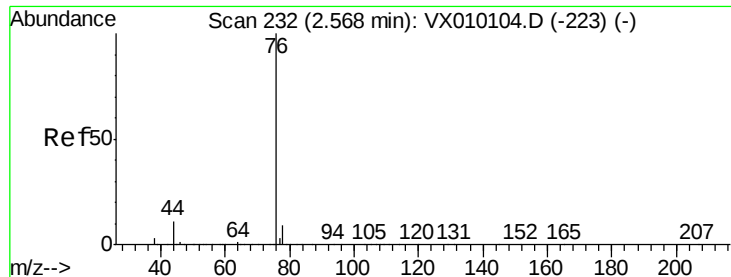
Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Tgt Ion:	43	Resp:	383359
Ion Ratio	Lower	Upper	
43	100		
58	34.1	23.2	34.8





#17

Carbon Disulfide

Concen: 43.012 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 346045

Ion Ratio Lower Upper

76 100

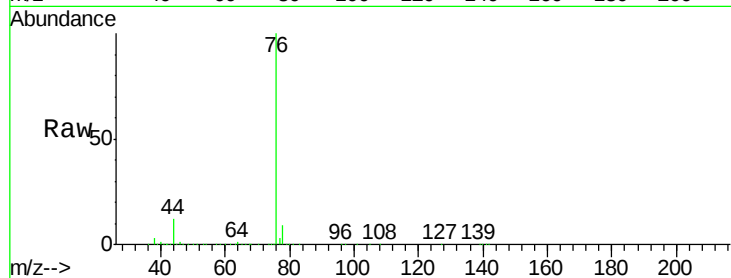
78 9.0 7.0 10.6

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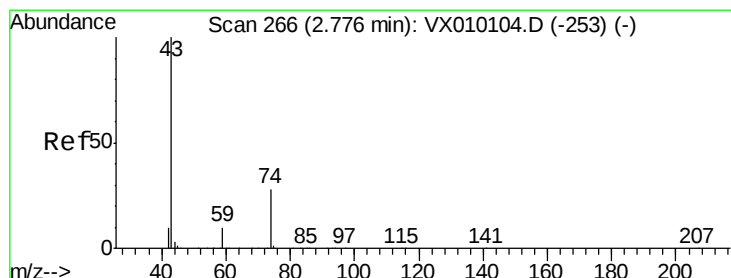
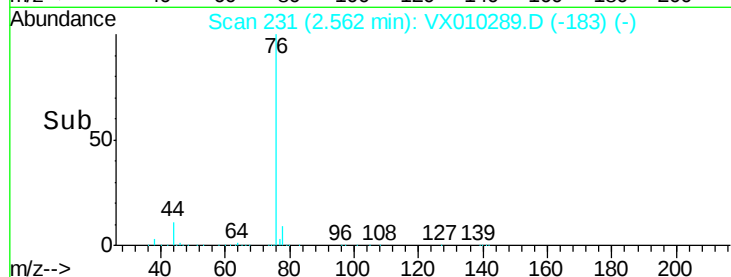
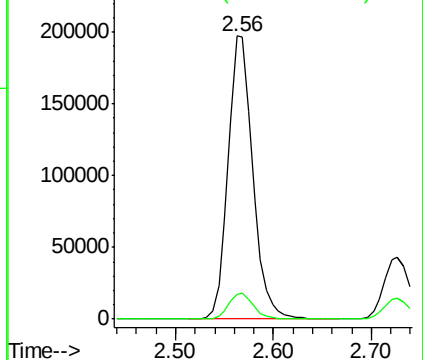
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6/17/2019 10:30:51 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 53.024 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010289.D

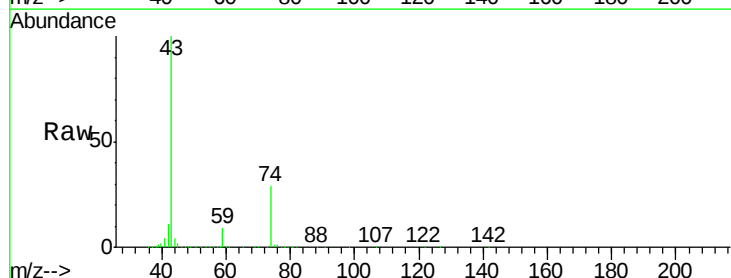
Acq: 14 Jun 2019 10:22

Tgt Ion: 43 Resp: 165958

Ion Ratio Lower Upper

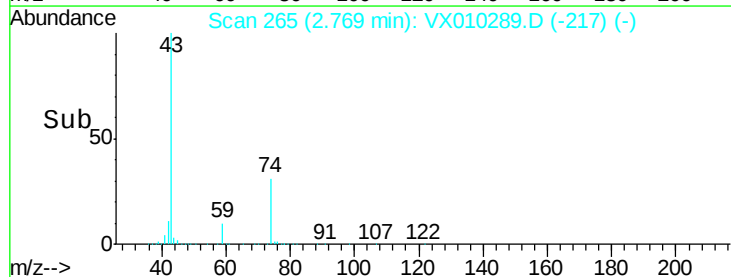
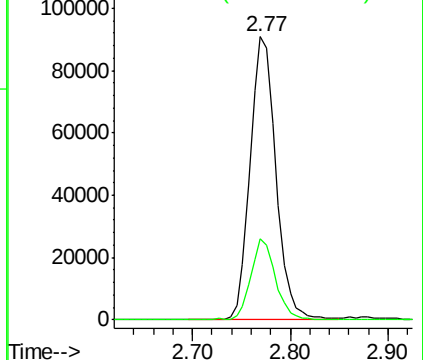
43 100

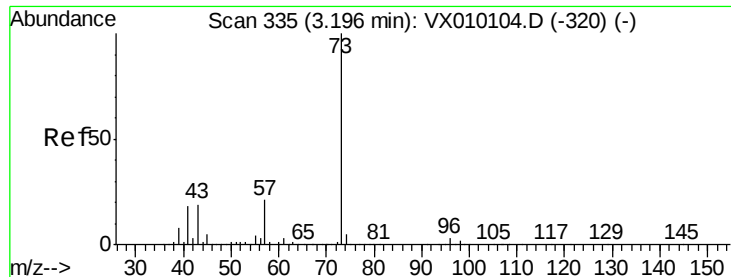
74 27.7 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

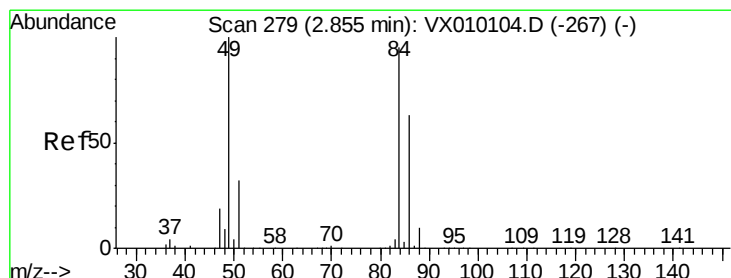
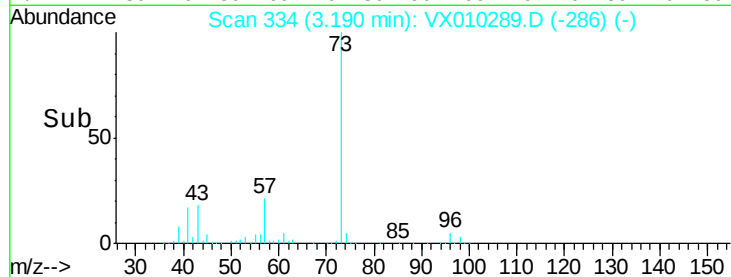
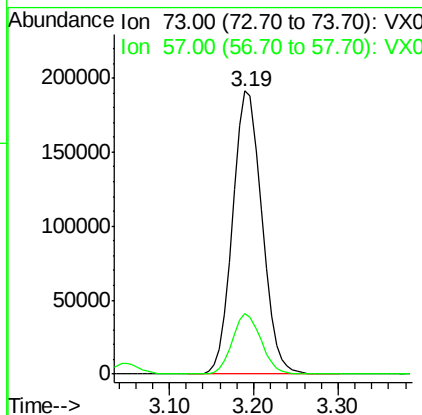
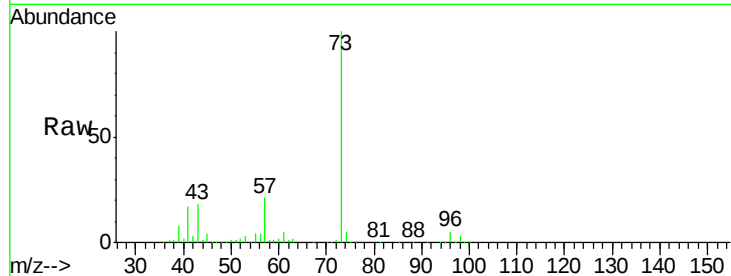
Methyl tert-butyl Ether
 Concen: 50.262 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	19.4	29.2

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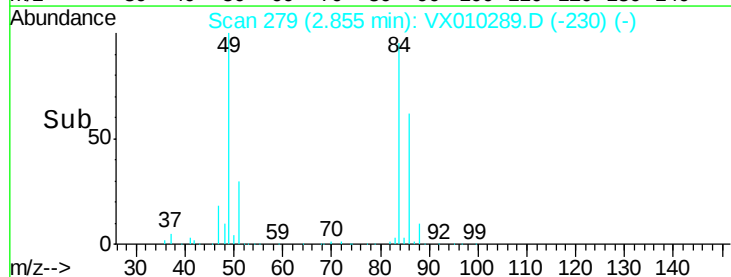
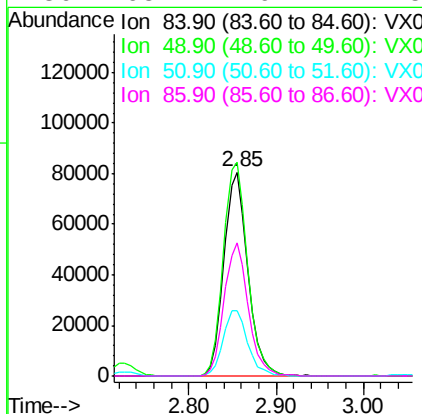
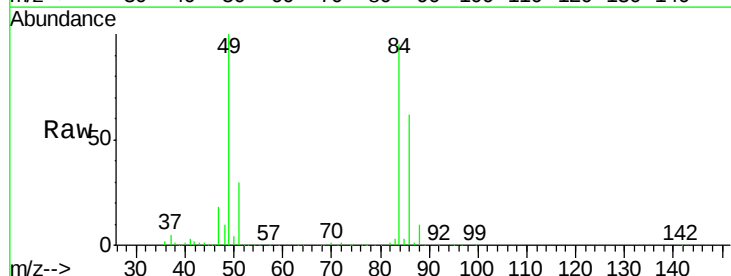
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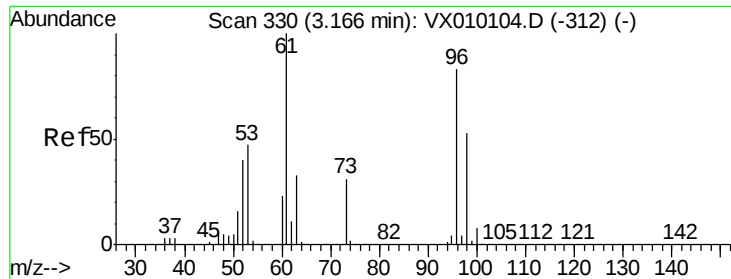


#20

Methylene Chloride
 Concen: 49.039 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.7	115.8	173.6#
51	31.9	34.4	51.6#
86	65.1	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 47.762 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

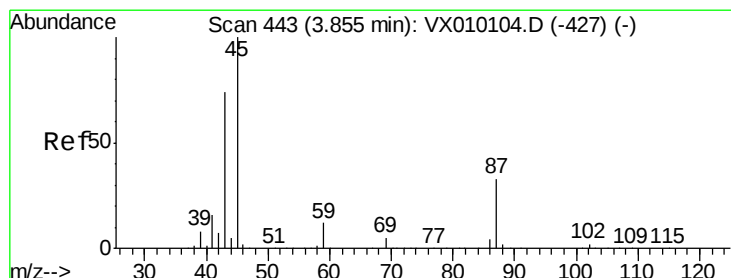
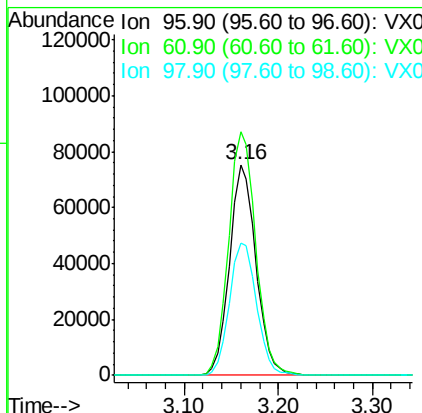
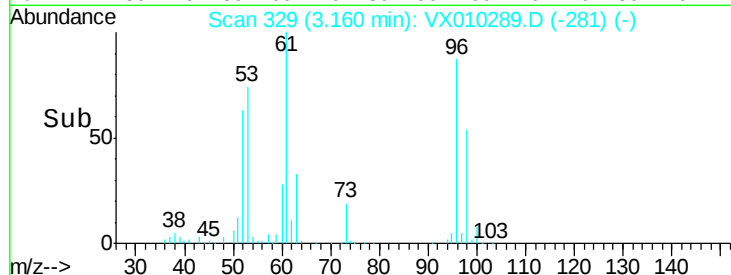
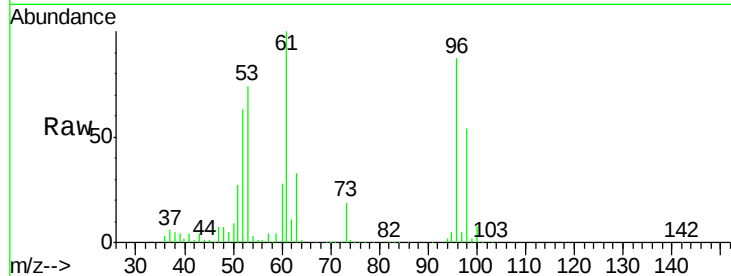
VSTDCCC050

Tot Ion: 96 Resp: 147172

Ion	Ratio	Lower	Upper
96	100		
61	115.5	125.7	188.5#
98	62.5	49.0	73.6

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#22

Diisopropyl ether

Concen: 52.137 ug/l

RT: 3.85 min Scan# 443

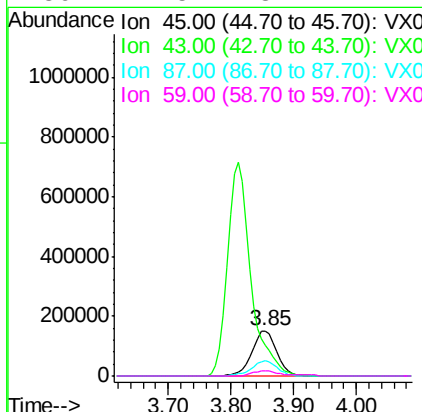
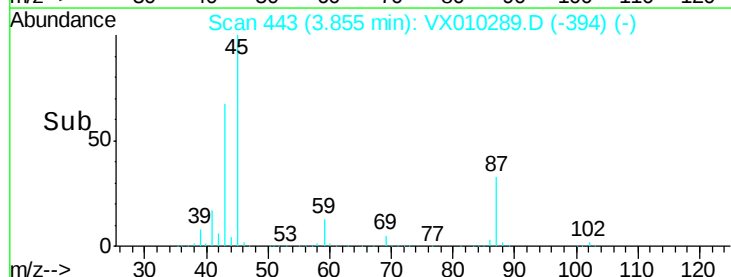
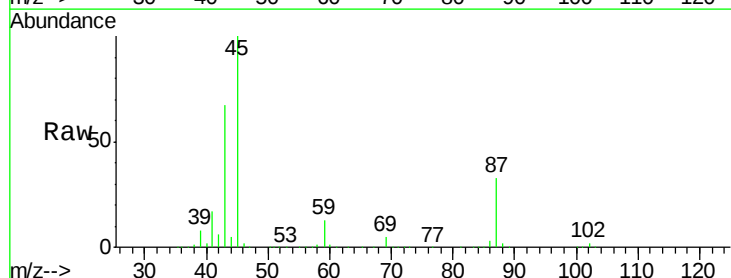
Delta R.T. 0.00 min

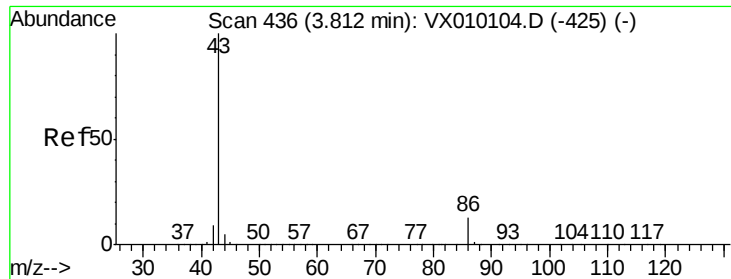
Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Tgt Ion: 45 Resp: 418961

Ion	Ratio	Lower	Upper
45	100		
43	67.2	65.0	97.4
87	33.3	17.3	25.9#
59	12.5	8.1	12.1#





#23

Vinyl Acetate

Concen: 258.205 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1851010

Ion Ratio Lower Upper

43 100

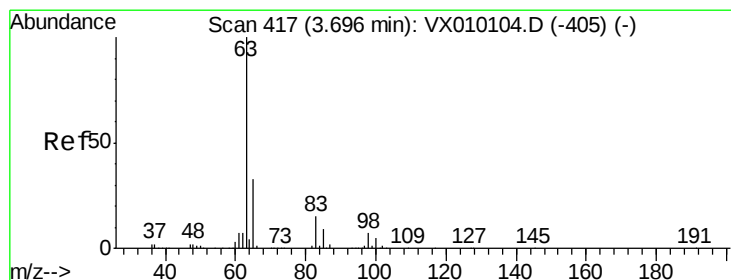
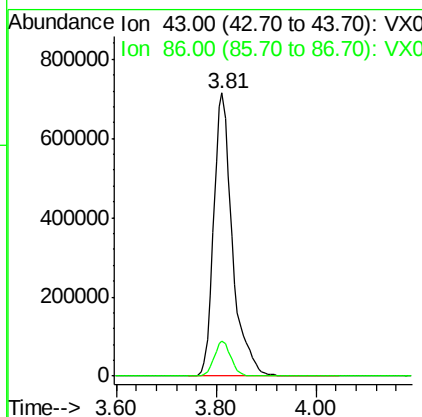
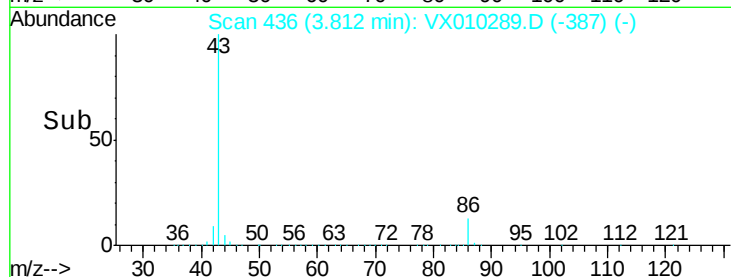
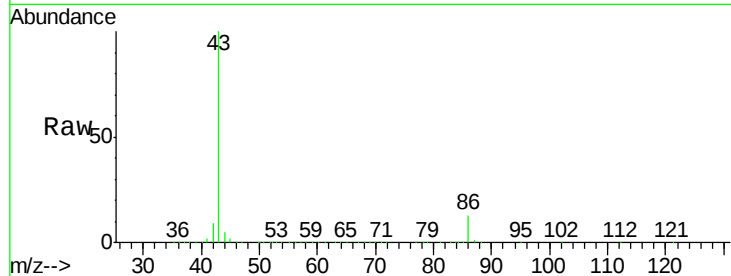
86 12.6 6.5 9.7#

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6/17/2019 10:30:51 AM



#24

1,1-Dichloroethane

Concen: 49.271 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

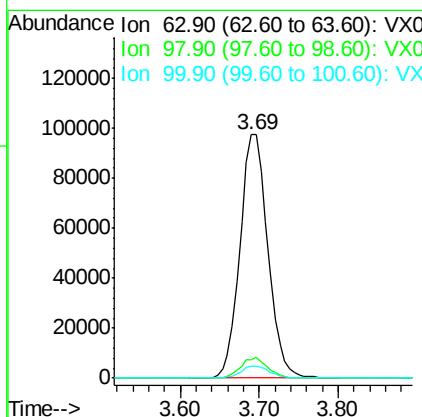
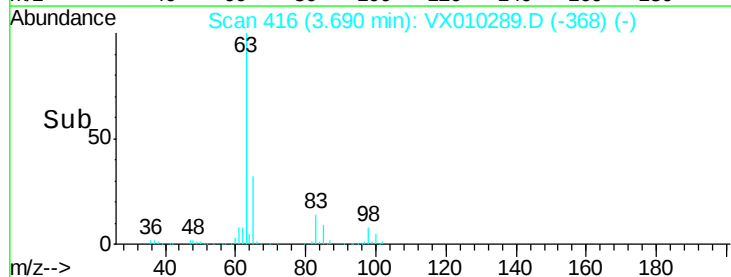
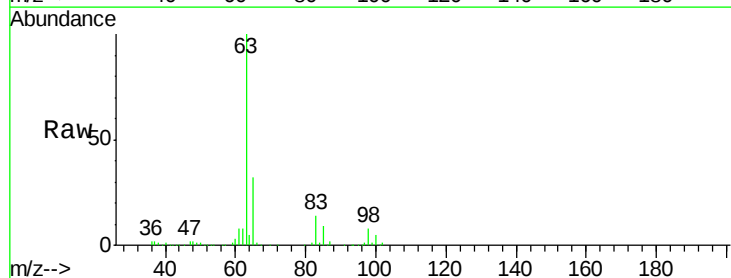
Tgt Ion: 63 Resp: 240389

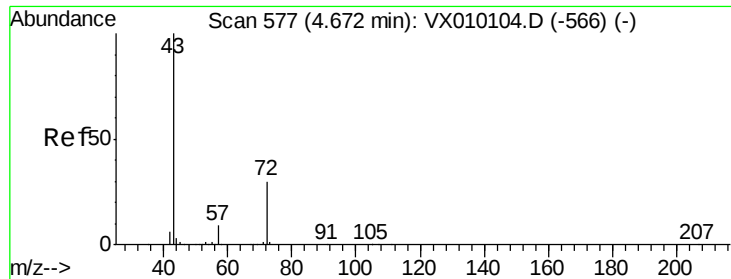
Ion Ratio Lower Upper

63 100

98 7.6 2.9 8.8

100 5.2 1.8 5.4





#25

2-Butanone

Concen: 267.633 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 567179

Ion Ratio Lower Upper

43 100

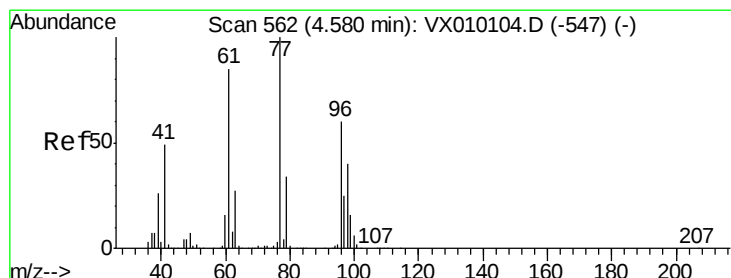
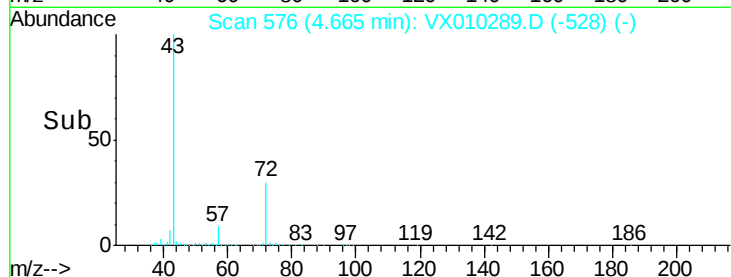
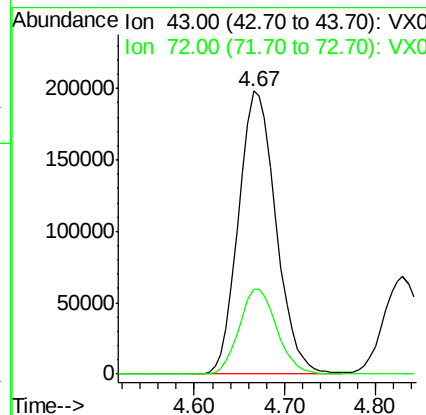
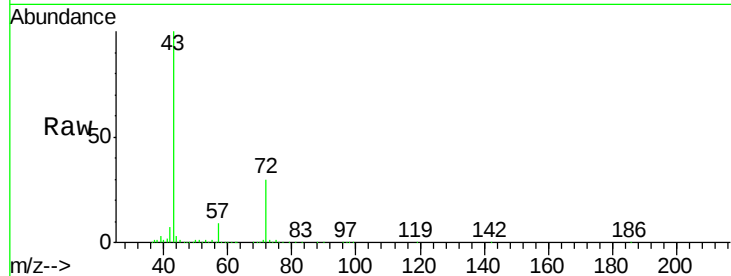
72 29.9 17.5 26.3#

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6/17/2019 10:30:51 AM



#26

2,2-Dichloropropane

Concen: 49.349 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010289.D

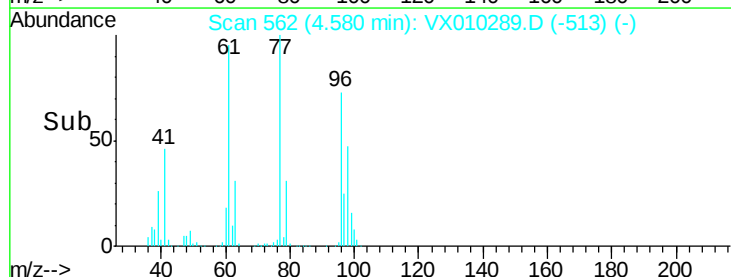
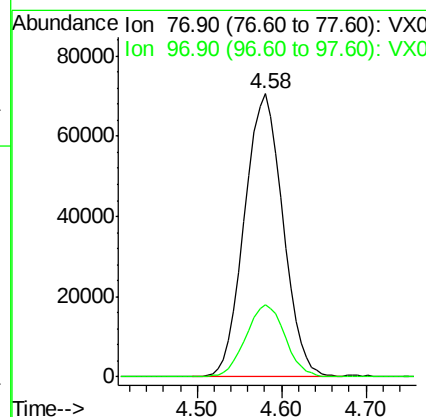
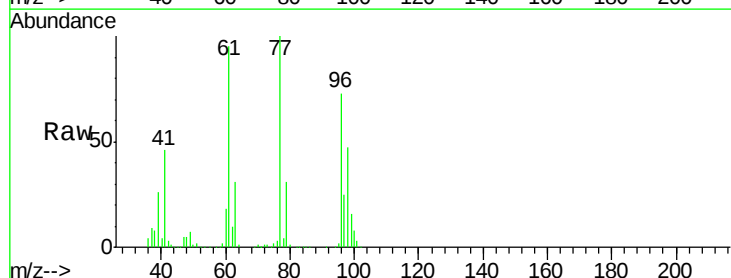
Acq: 14 Jun 2019 10:22

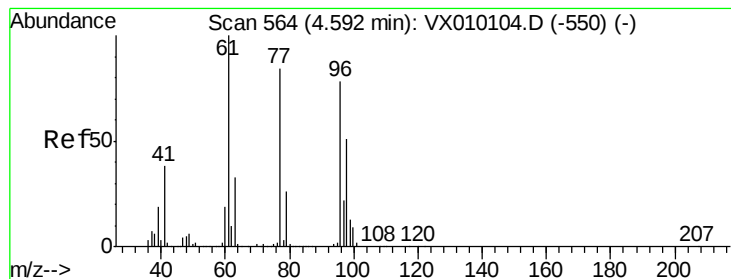
Tgt Ion: 77 Resp: 219652

Ion Ratio Lower Upper

77 100

97 26.1 11.4 34.2





#27

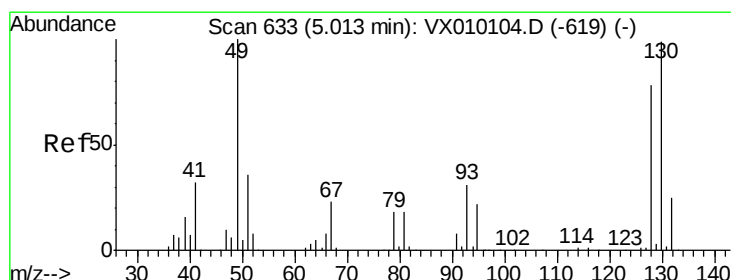
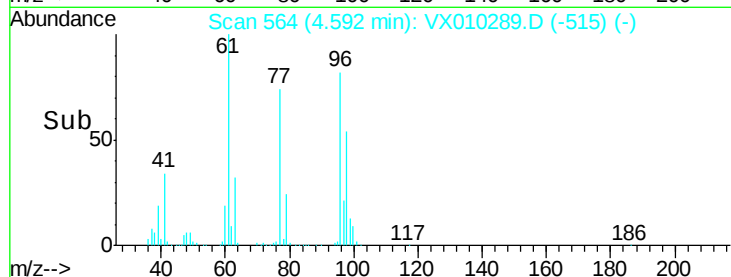
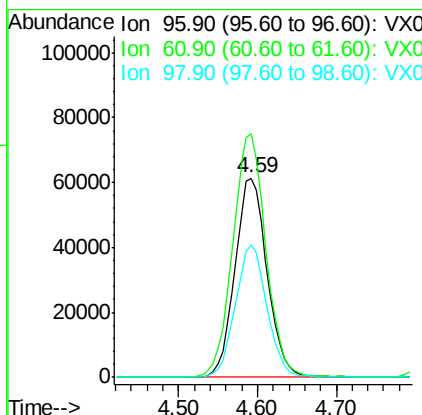
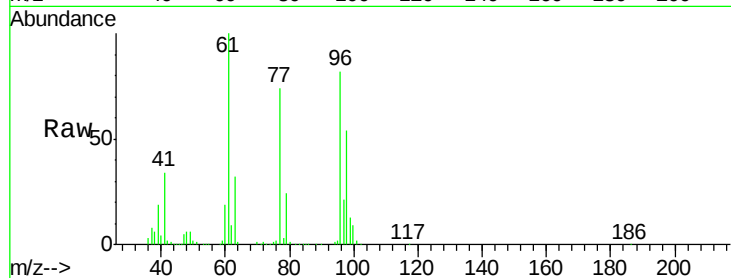
cis-1,2-Dichloroethene
Concen: 50.711 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.5	0.0	334.0
98	65.5	0.0	131.6

Manual Integrations
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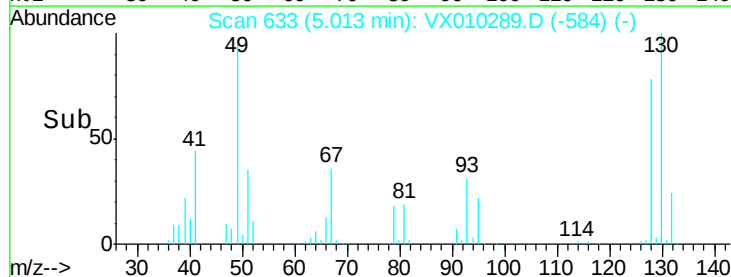
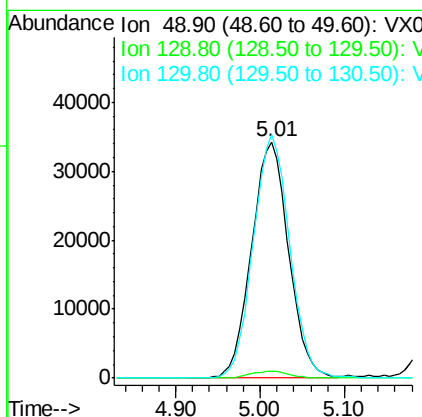
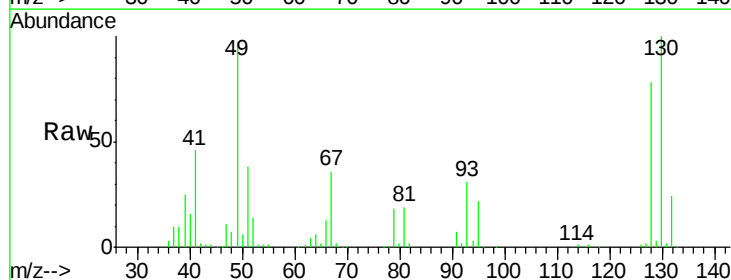
MMDadoda
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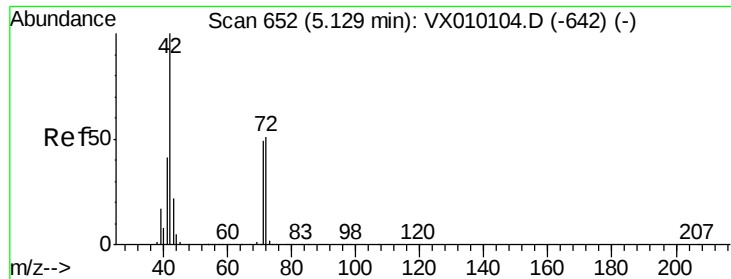


#28

Bromochloromethane
Concen: 47.224 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	3.4
130	101.5	49.4	74.2#





#29

Tetrahydrofuran

Concen: 257.033 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

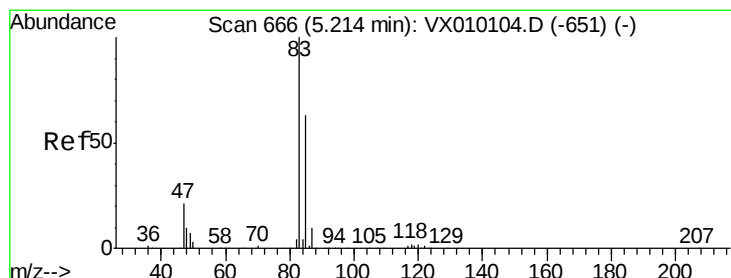
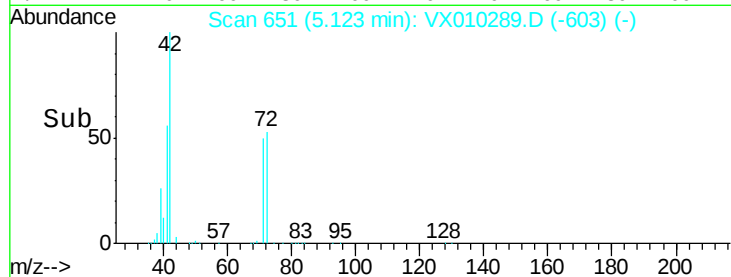
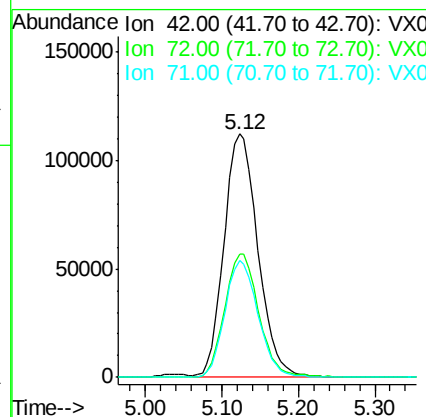
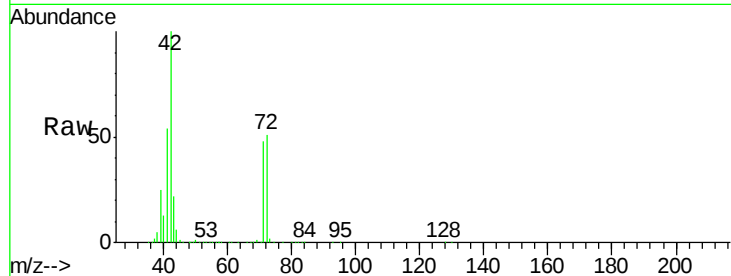
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	342329
Ion Ratio		Lower	Upper
42	100		
72	51.5	29.2	43.8#
71	47.4	27.6	41.4#

Manual Integrations
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#30

Chloroform

Concen: 51.289 ug/l

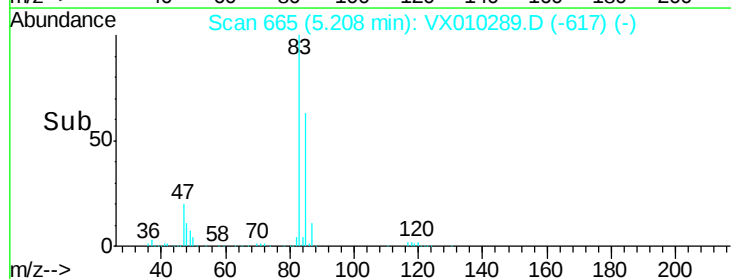
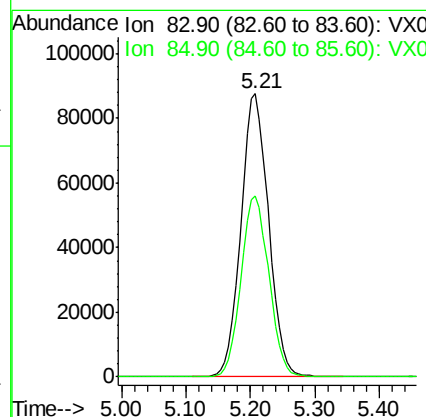
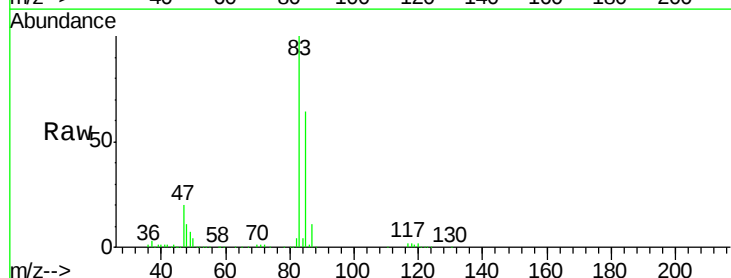
RT: 5.21 min Scan# 665

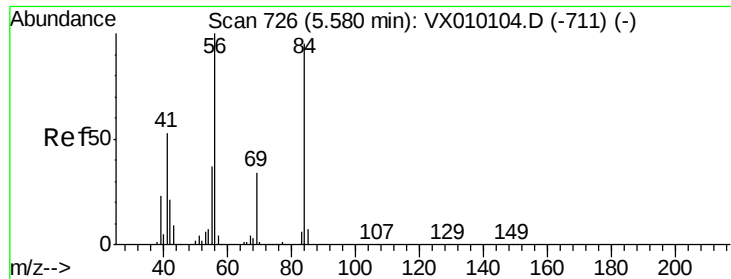
Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Tgt Ion:	83	Resp:	259881
Ion Ratio		Lower	Upper
83	100		
85	64.0	52.6	78.8





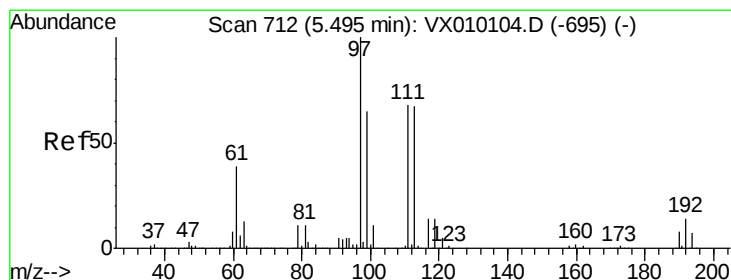
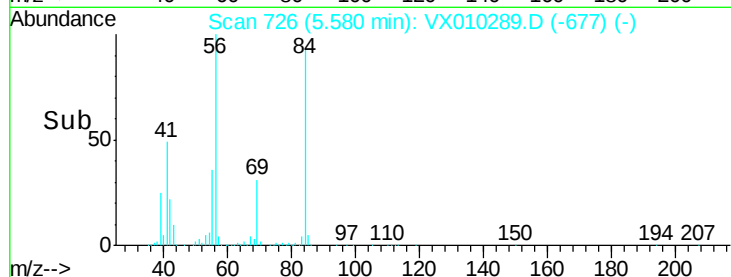
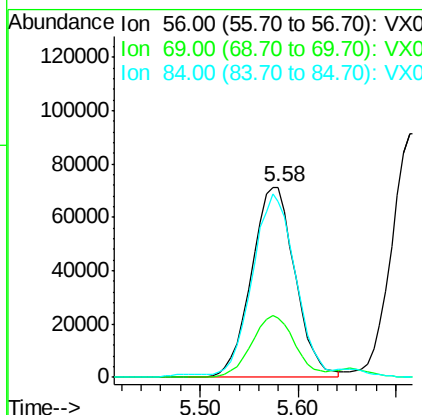
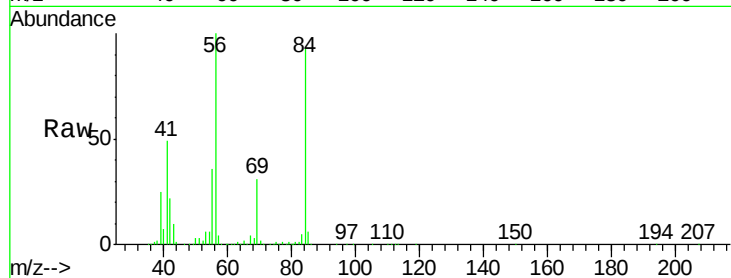
#31
Cyclohexane
Concen: 50.467 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	21.6	32.4
84	90.7	56.8	85.2#

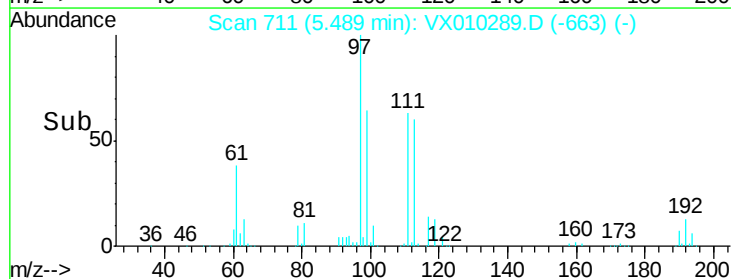
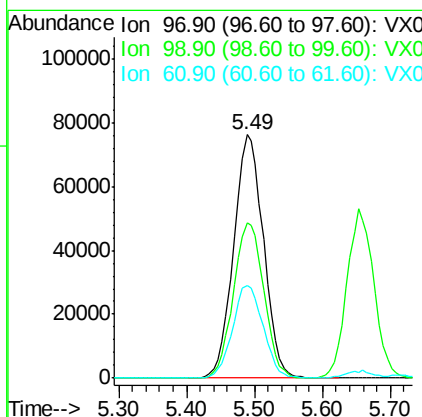
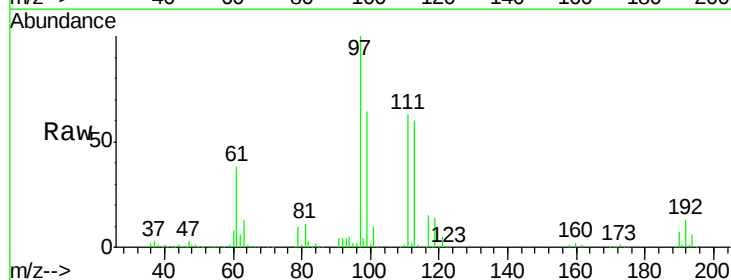
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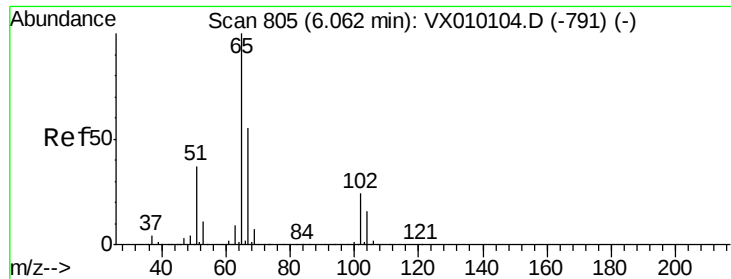
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6/17/2019 10:30:51 AM



#32
1,1,1-Trichloroethane
Concen: 48.695 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.0	76.4
61	39.0	38.7	58.1





#33

1,2-Dichloroethane-d4

Concen: 45.322 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 137136

Ion Ratio Lower Upper

65 100

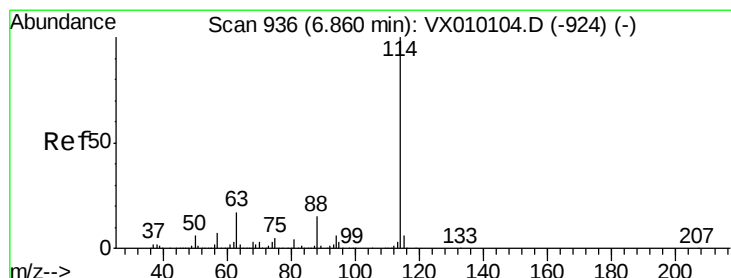
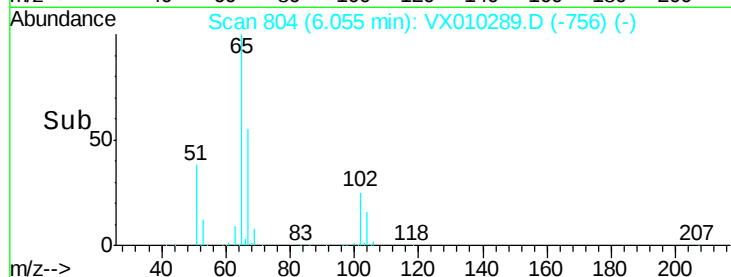
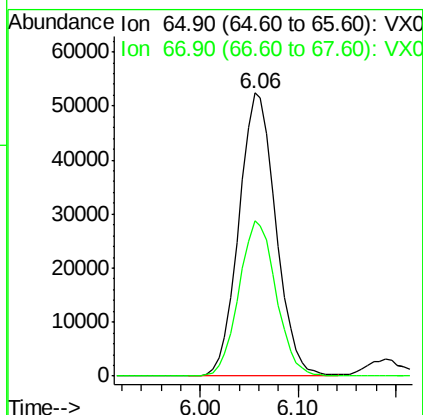
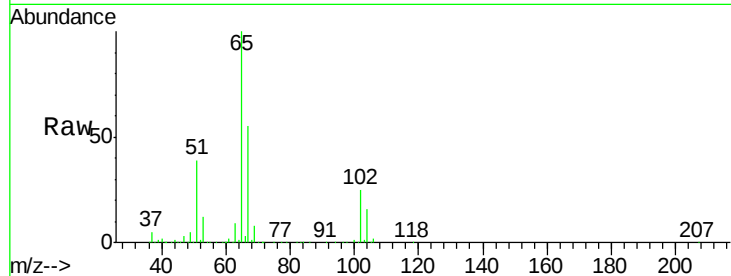
67 55.4 0.0 108.4

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6/17/2019 10:30:51 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

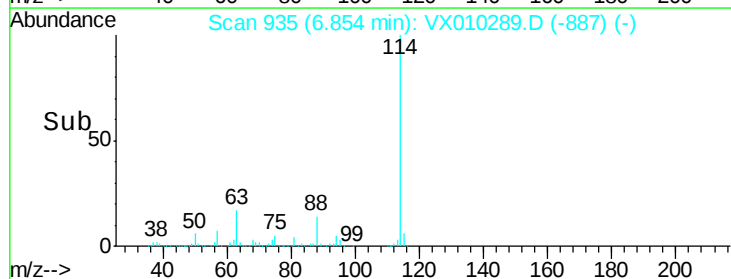
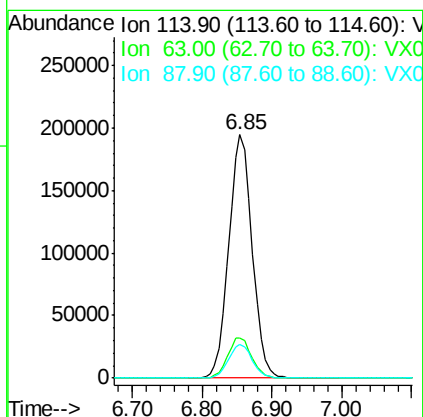
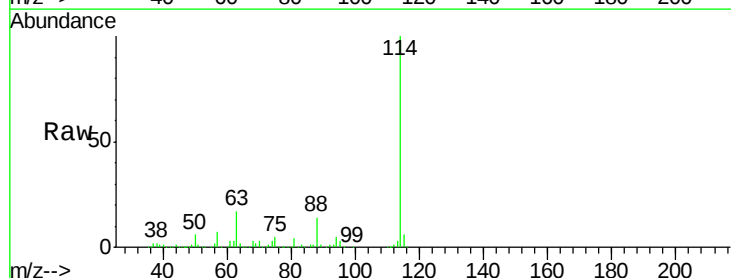
Tgt Ion: 114 Resp: 451509

Ion Ratio Lower Upper

114 100

63 16.6 0.0 47.4

88 13.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.762 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

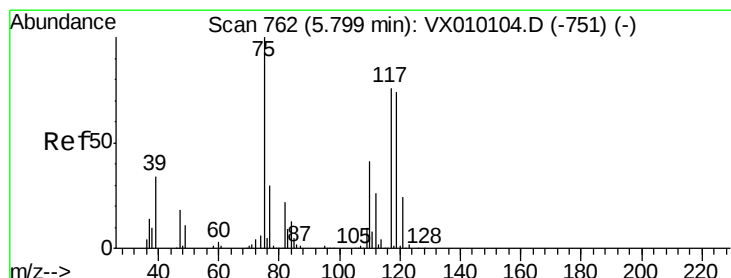
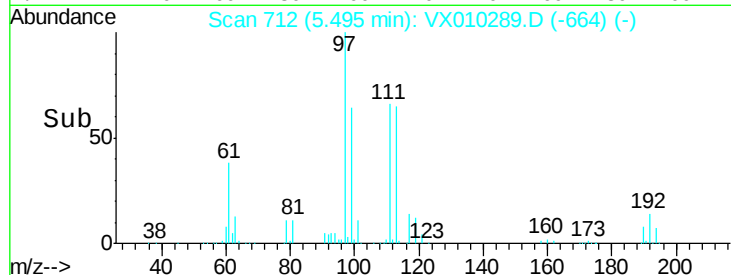
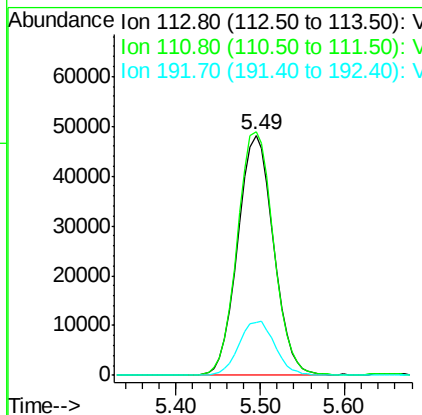
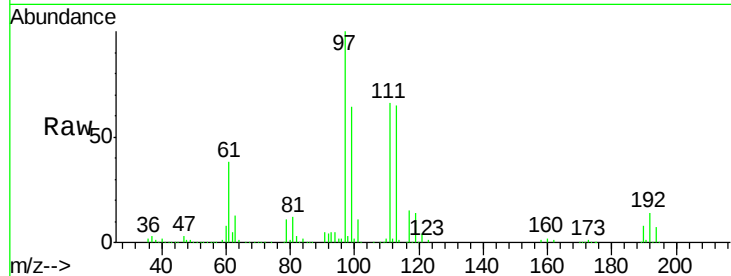
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138589		
111	102.7	82.2	123.2	
192	22.7	17.1	25.7	

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#36

1,1-Dichloropropene

Concen: 51.491 ug/l

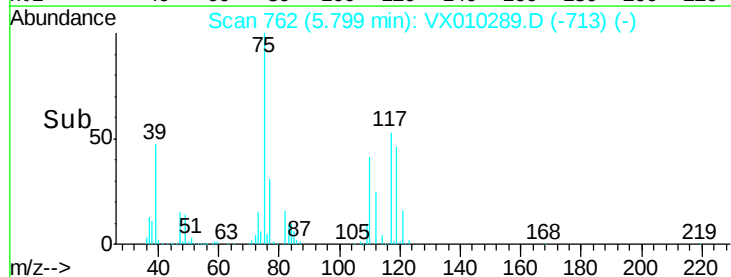
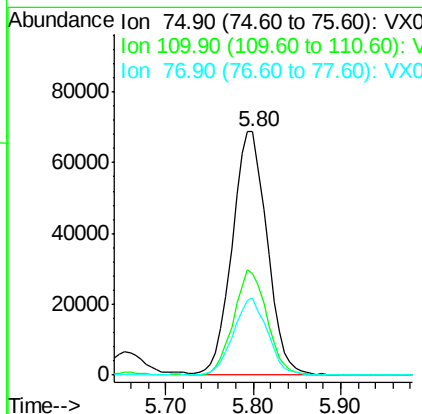
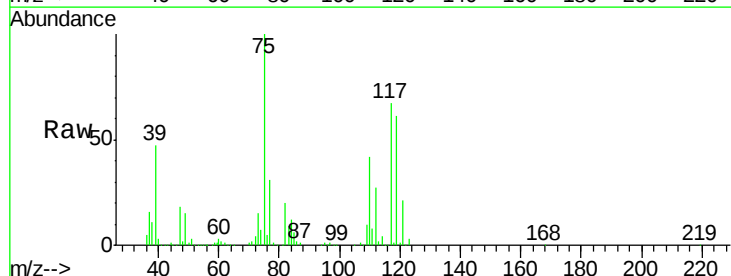
RT: 5.80 min Scan# 762

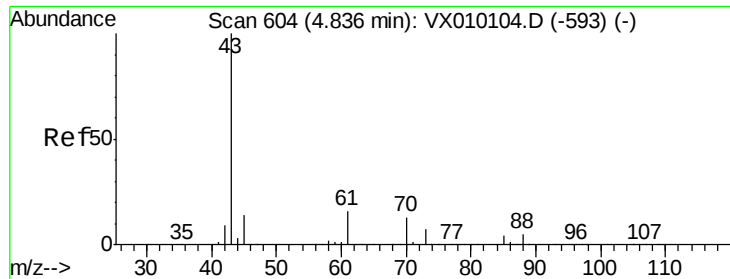
Delta R.T. -0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	189675		
110	41.6	16.7	50.1	
77	31.0	25.0	37.4	





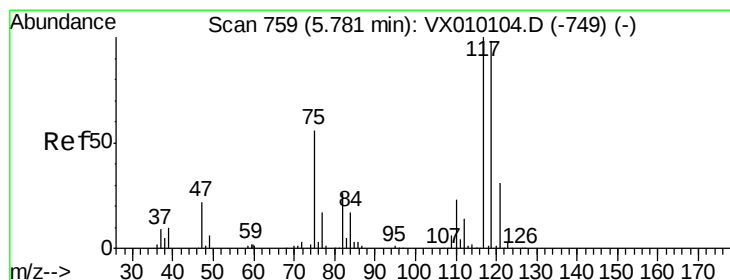
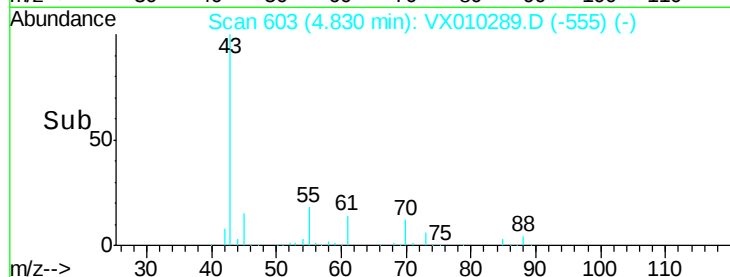
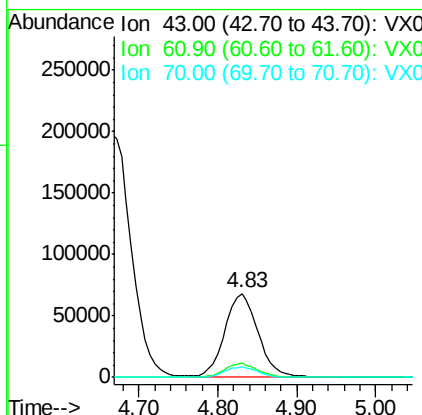
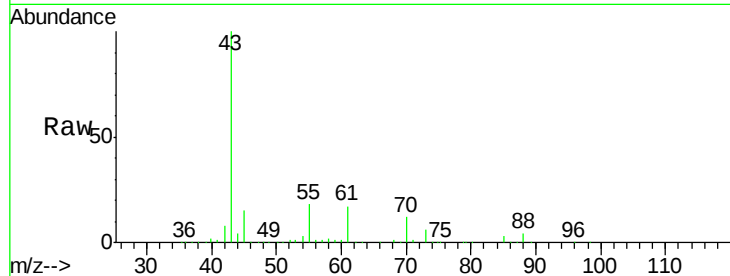
#37
Ethyl Acetate
Concen: 52.226 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	10.2	15.2#
70	12.4	7.4	11.2#

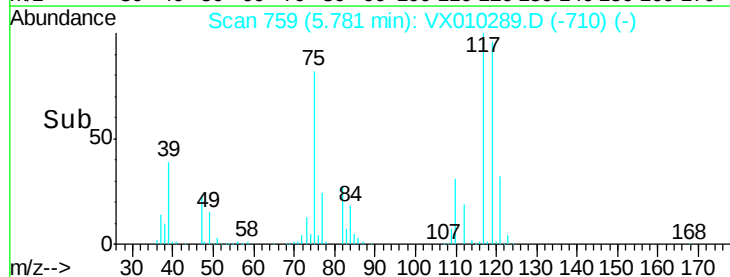
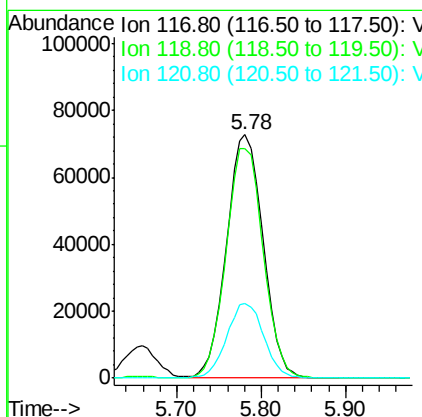
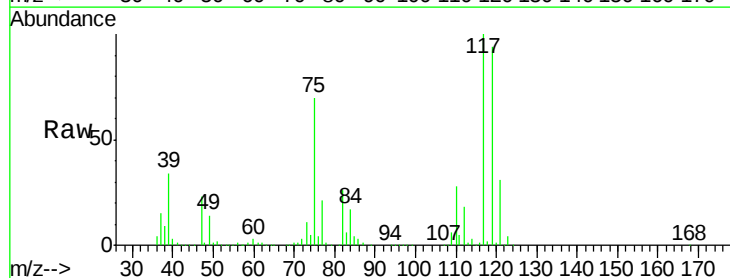
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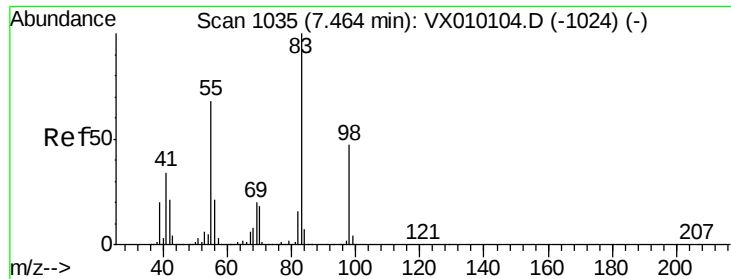
MMDadoda
6/17/2019 10:30:51 AM



#38
Carbon Tetrachloride
Concen: 51.348 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.3	115.9
121	30.9	25.4	38.0





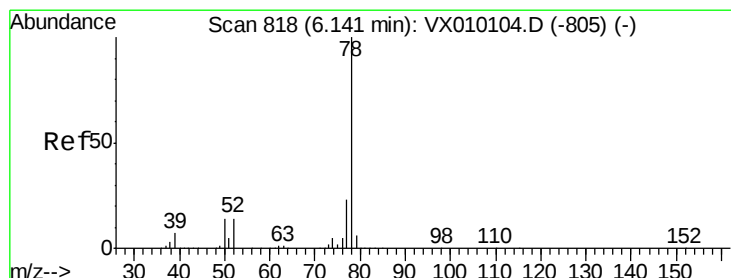
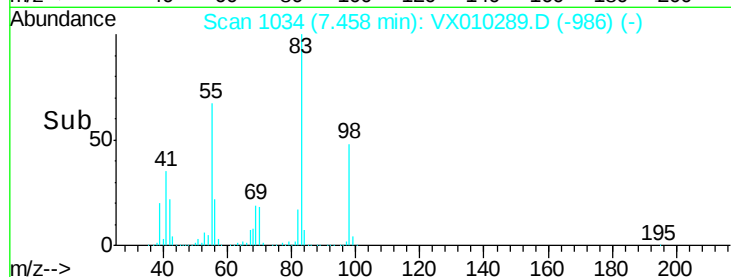
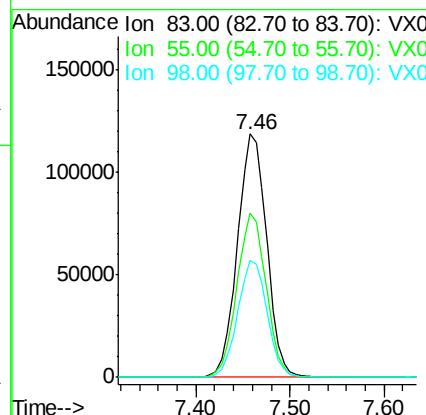
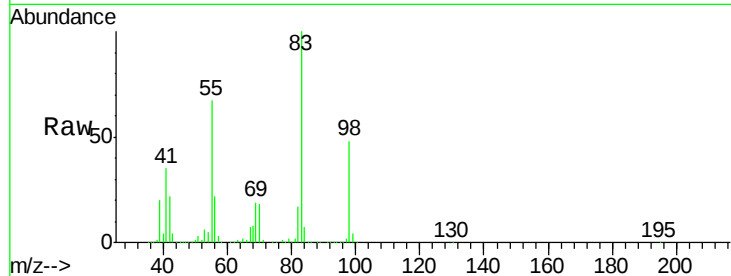
#39
Methvlcvclohexane
Concen: 51.159 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	256613		
55	67.2	69.9	104.9#	
98	47.8	35.1	52.7	

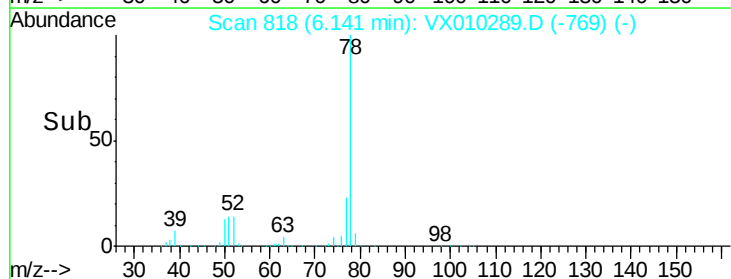
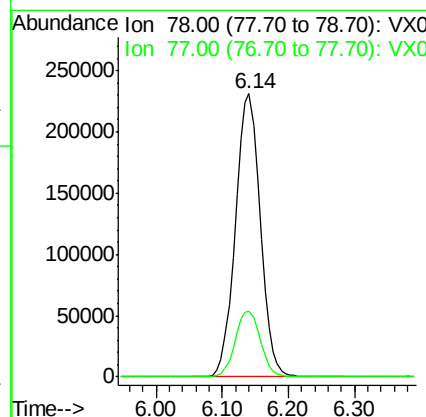
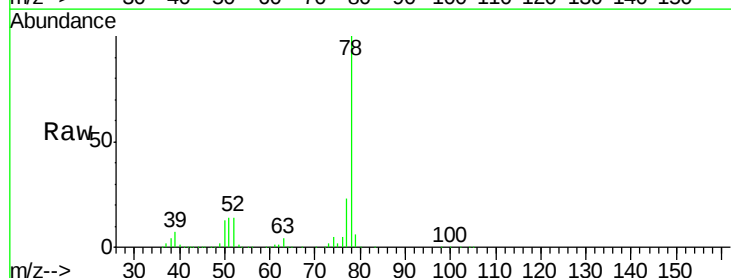
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#40
Benzene
Concen: 52.775 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	601128		
77	23.3	19.2	28.8	





#41

Methacrylonitrile

Concen: 52.973 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 109827
Ion Ratio Lower Upper

41 100

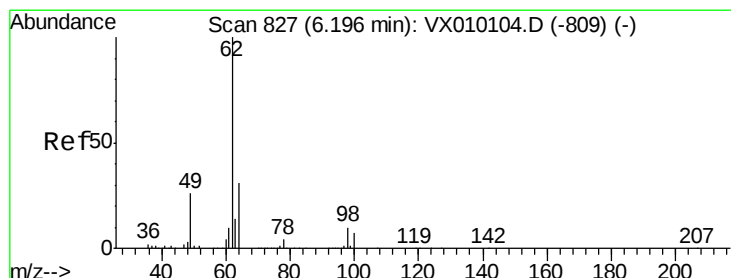
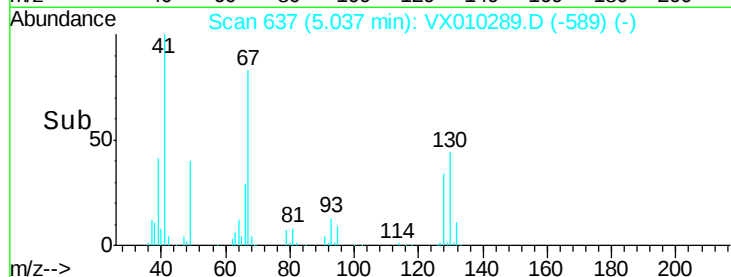
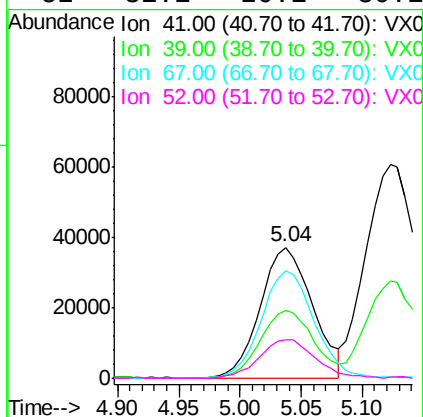
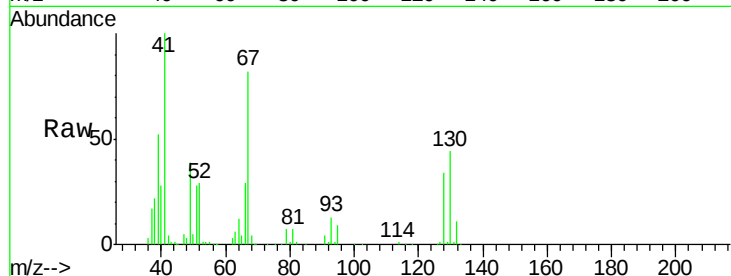
39 52.9 42.2 63.4

67 84.2 48.9 73.3#

52 31.1 20.1 30.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.197 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

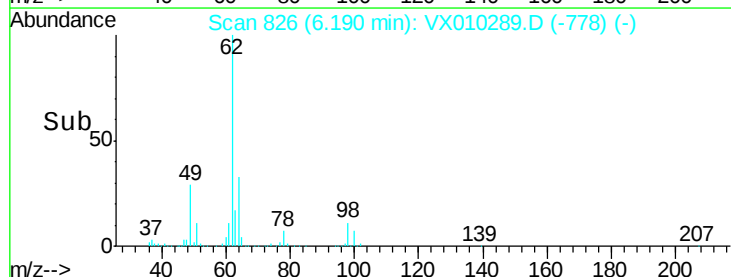
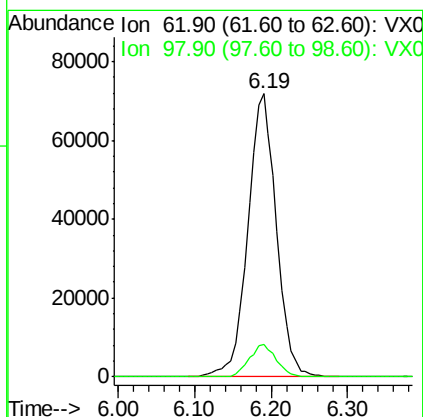
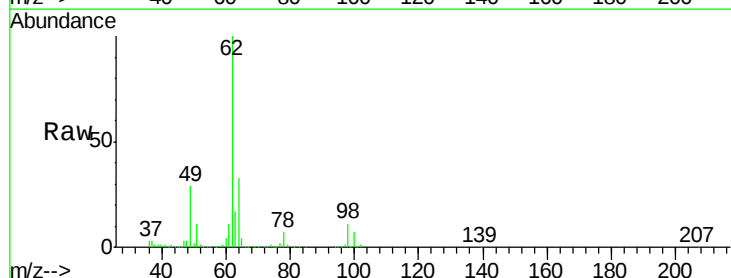
Lab File: VX010289.D

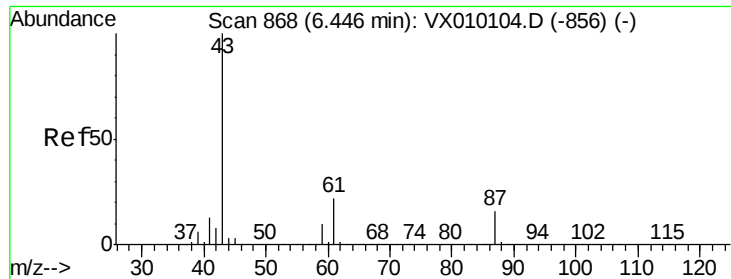
Acq: 14 Jun 2019 10:22

Tgt Ion: 62 Resp: 186175
Ion Ratio Lower Upper

62 100

98 11.0 0.0 17.2





#43

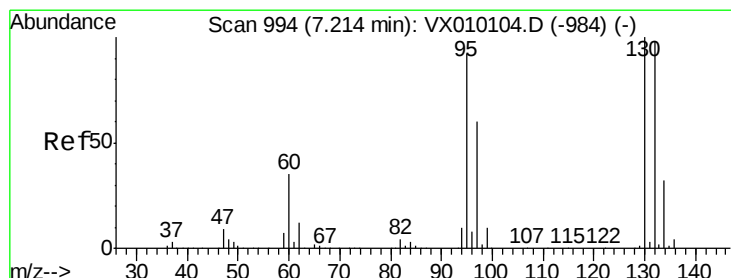
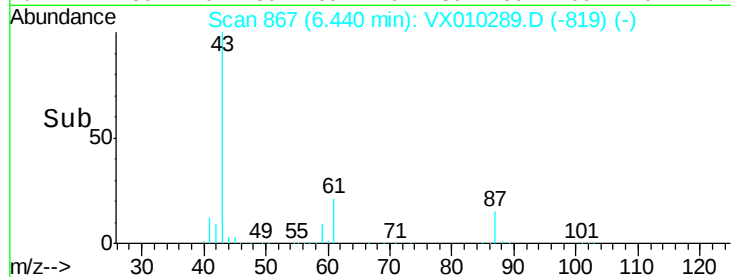
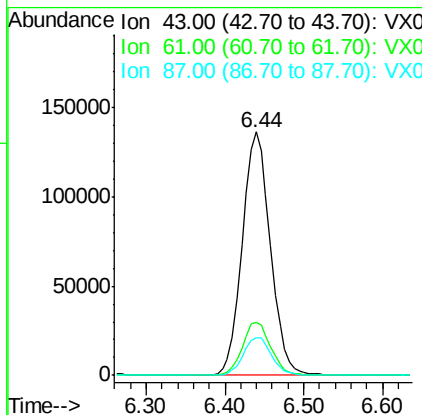
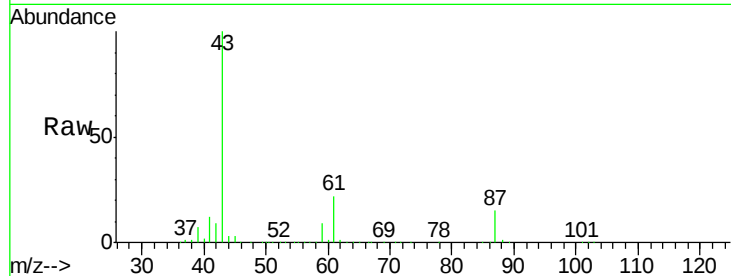
Isopropyl Acetate
 Concen: 52.440 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	14.6	21.8#
87	15.9	8.7	13.1#

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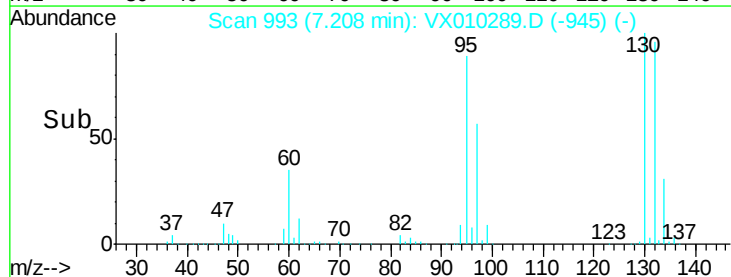
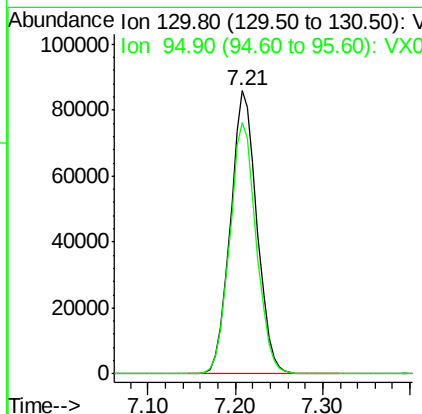
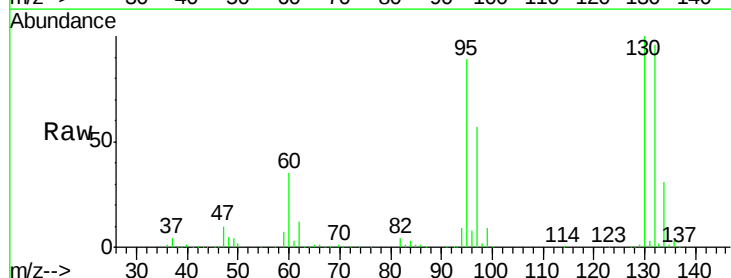
MMDadoda
 6/17/2019 10:30:51 AM

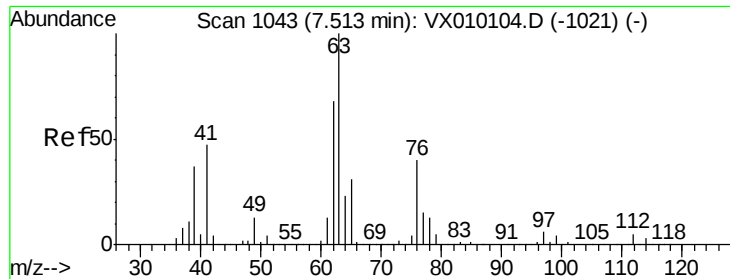


#44

Trichloroethene
 Concen: 52.675 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	207.4





#45

1,2-Dichloropropane

Concen: 52.902 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 150822

Ion Ratio Lower Upper

63 100

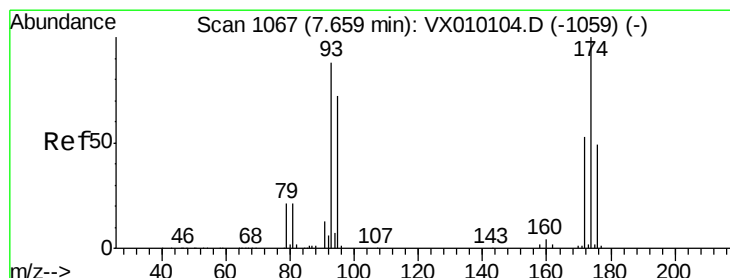
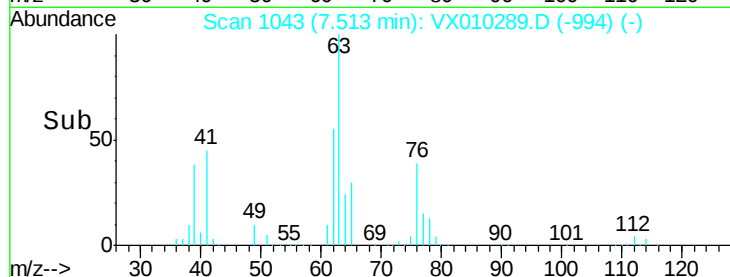
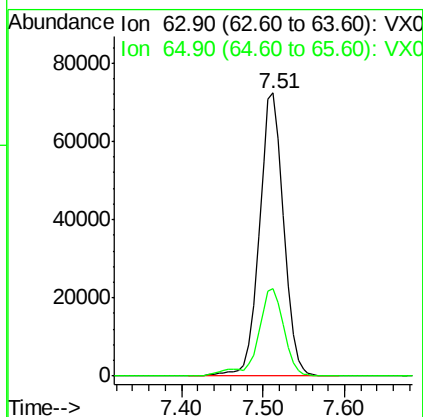
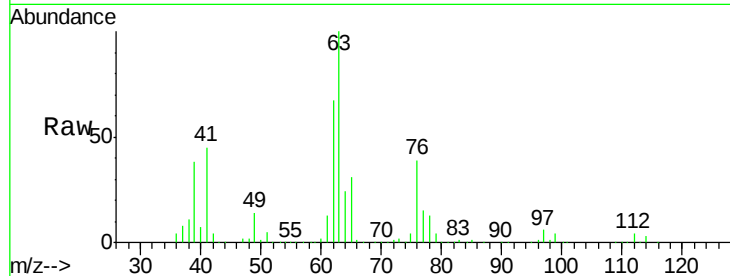
65 30.8 25.7 38.5

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#46

Dibromomethane

Concen: 50.505 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

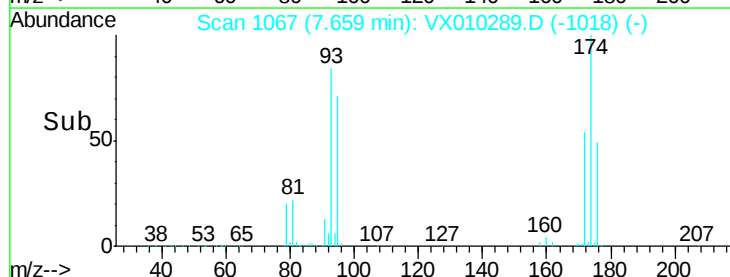
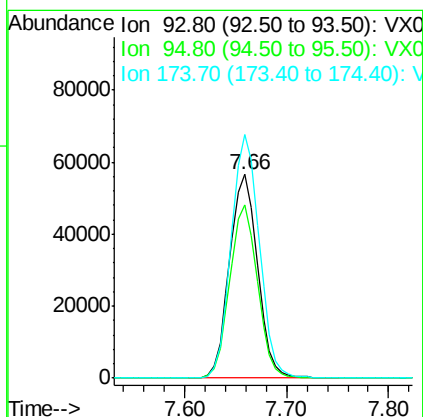
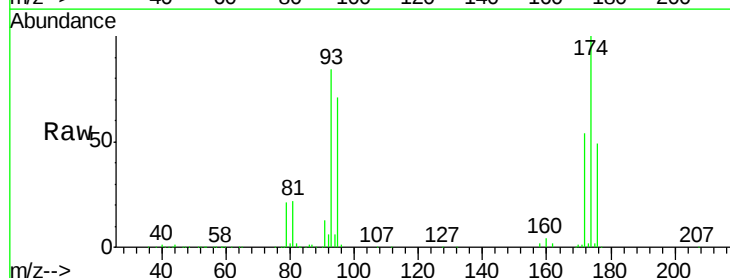
Tgt Ion: 93 Resp: 107872

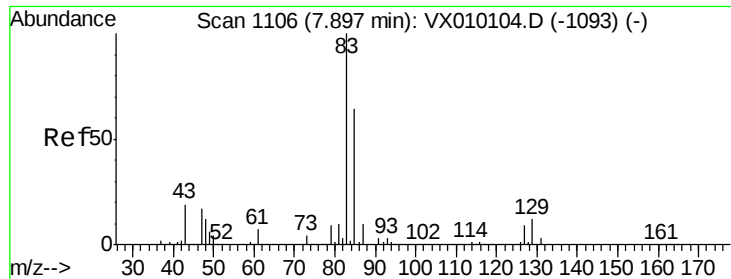
Ion Ratio Lower Upper

93 100

95 84.2 66.8 100.2

174 119.7 81.9 122.9





#47

Bromodichloromethane

Concen: 51.785 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

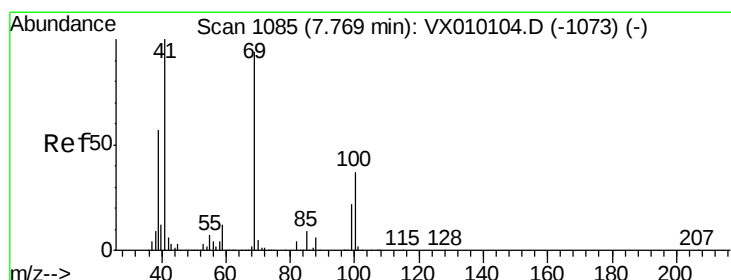
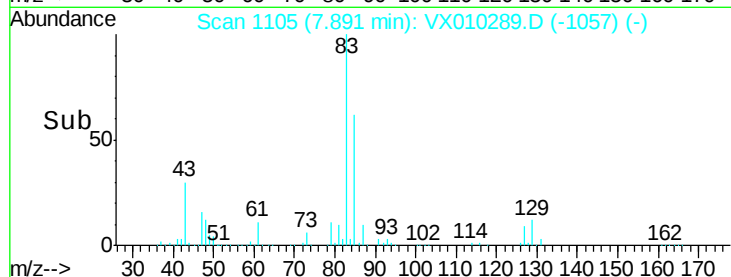
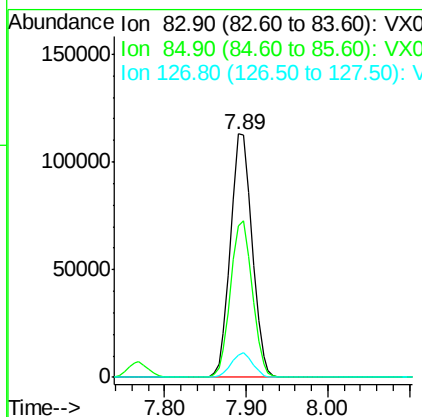
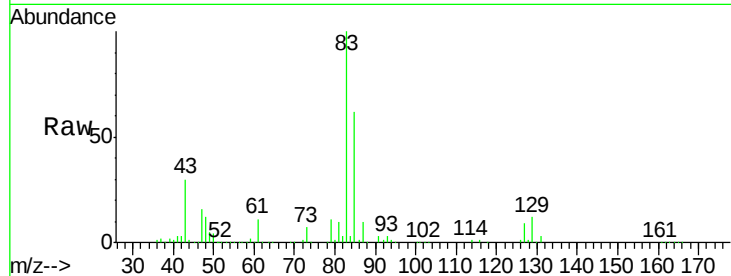
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	206676
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2
127	9.2	6.4	9.6

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#48

Methyl methacrylate

Concen: 52.426 ug/l

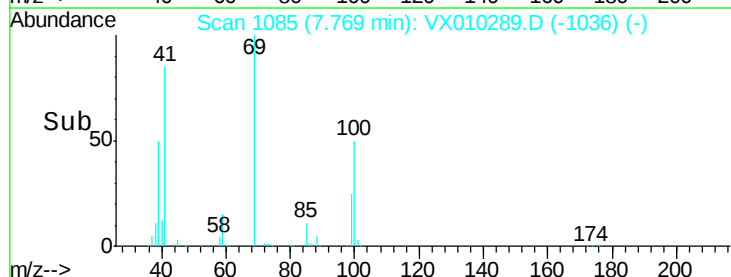
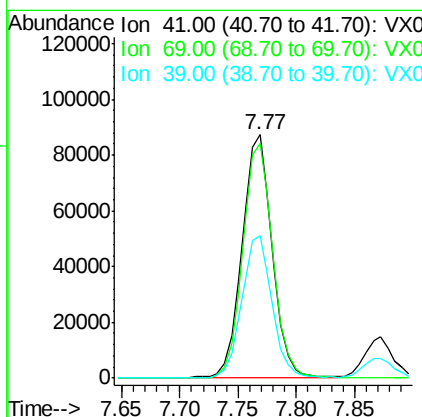
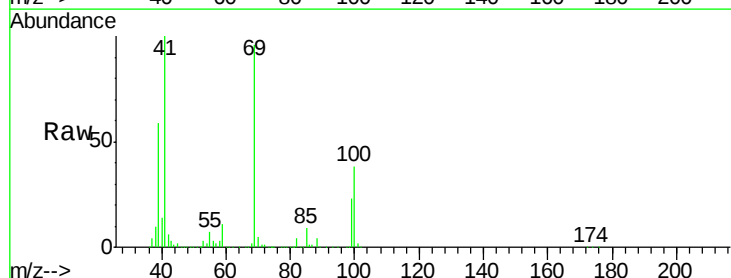
RT: 7.77 min Scan# 1085

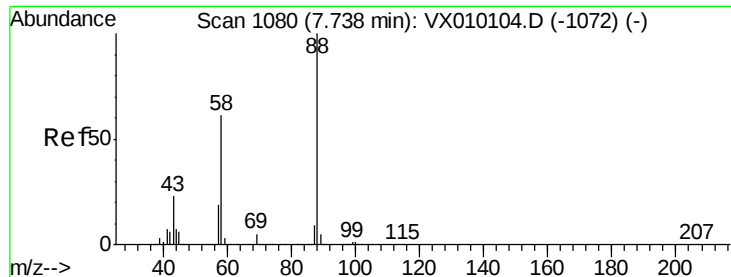
Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Tgt Ion:	41	Resp:	157119
Ion	Ratio	Lower	Upper
41	100		
69	96.8	56.4	84.6#
39	57.9	40.6	60.8





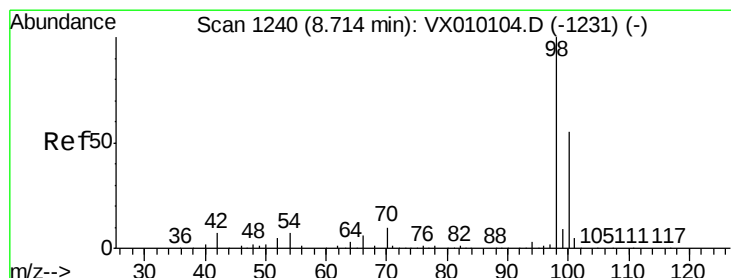
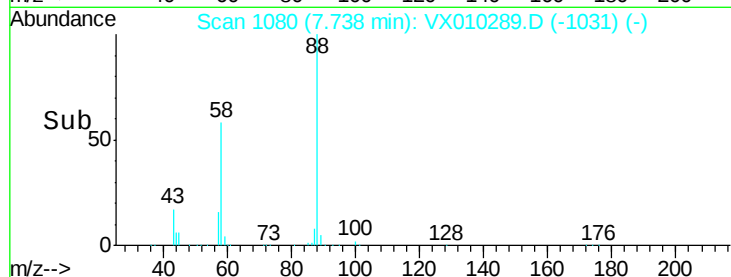
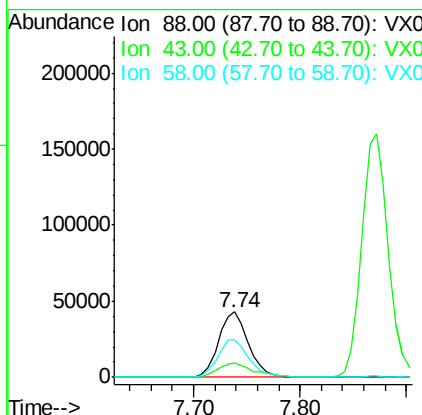
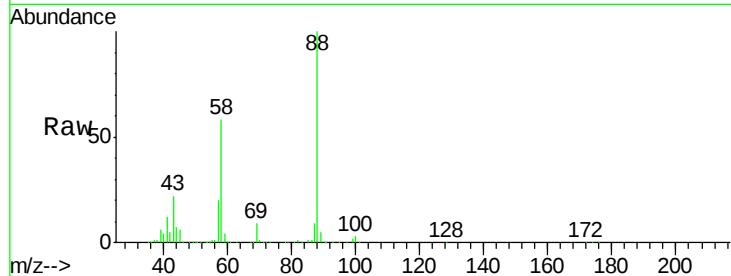
#49
1,4-Dioxane
Concen: 984.684 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.7	30.2	45.4#
58	60.9	64.0	96.0#

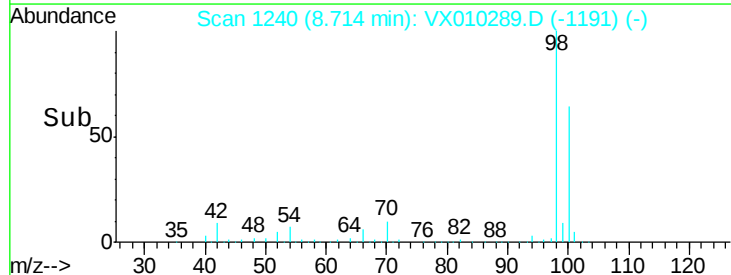
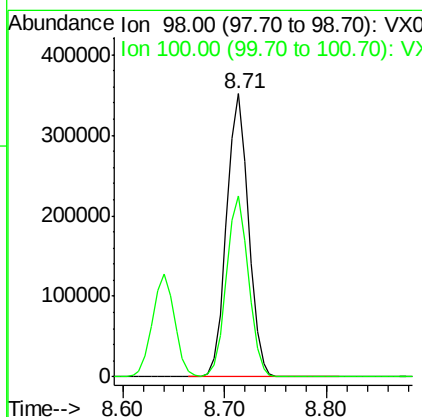
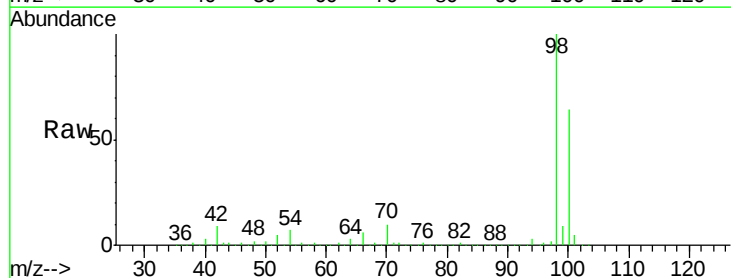
Manual Integrations
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6/17/2019 10:30:51 AM



#50
Toluene-d8
Concen: 50.056 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 273.588 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1047374

Ion Ratio Lower Upper

43 100

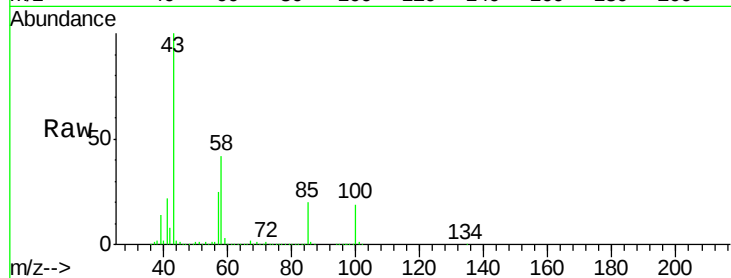
58 42.0 28.8 43.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800000

600000

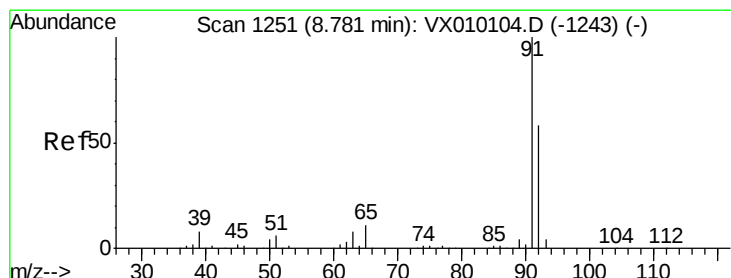
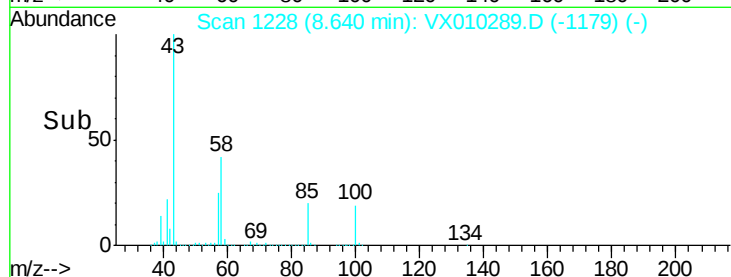
400000

200000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 52.654 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010289.D

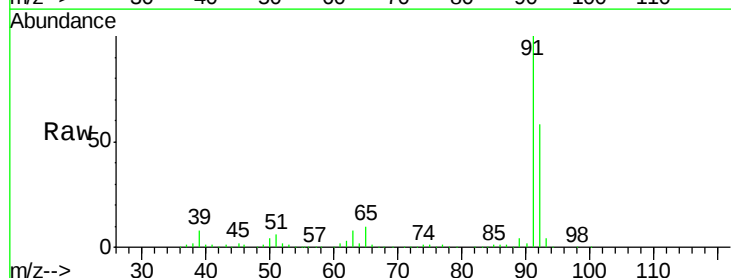
Acq: 14 Jun 2019 10:22

Tgt Ion: 92 Resp: 394244

Ion Ratio Lower Upper

92 100

91 174.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

500000

400000

300000

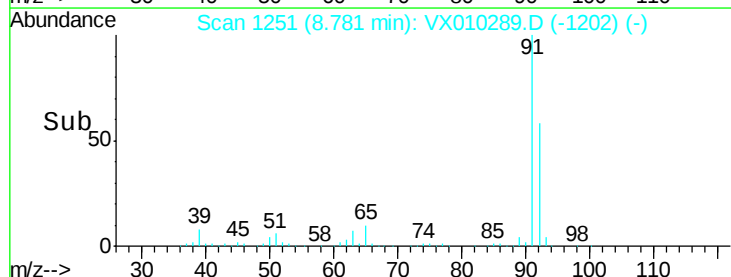
200000

100000

0

8.70 8.80 8.90

Time-->





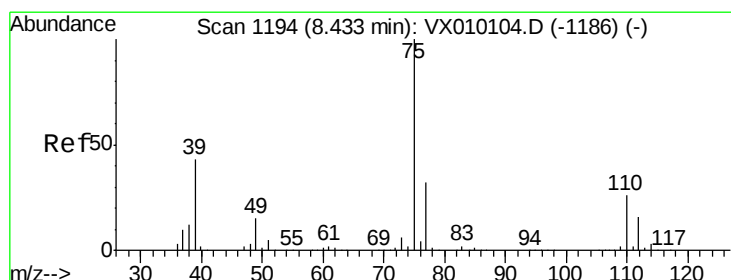
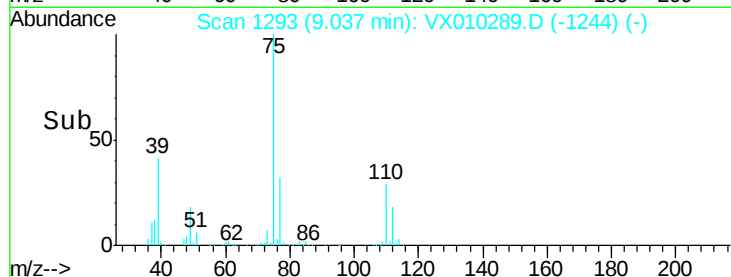
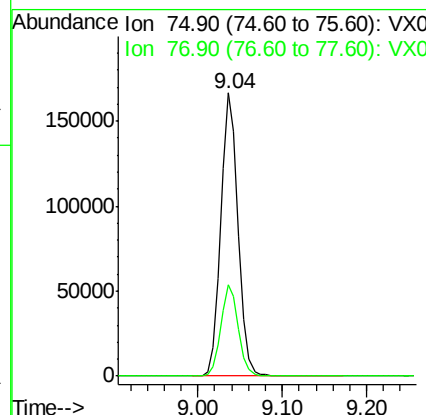
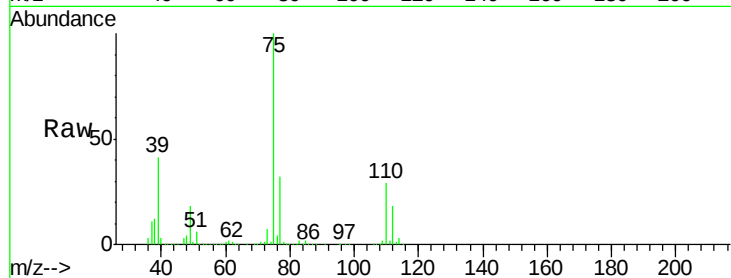
#53
 t-1,3-Dichloropropene
 Concen: 51.074 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.6	36.8

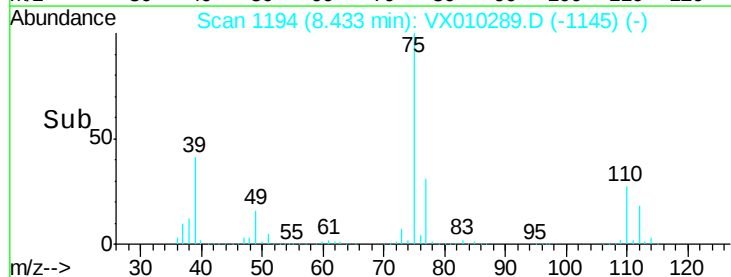
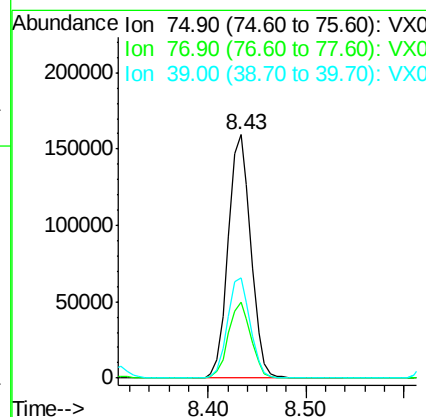
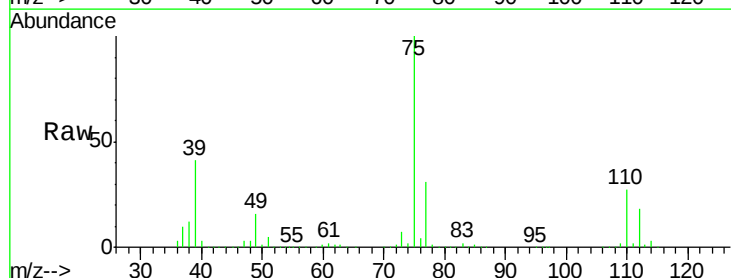
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#54
 cis-1,3-Dichloropropene
 Concen: 51.596 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	41.2	43.4	65.0#





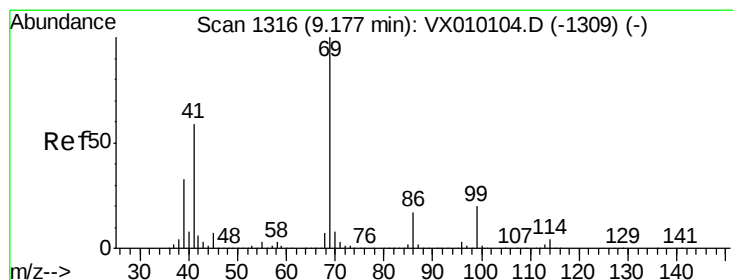
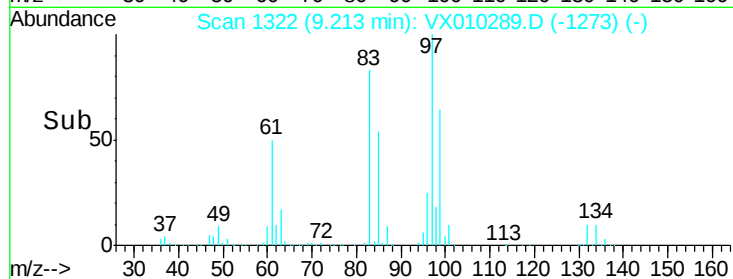
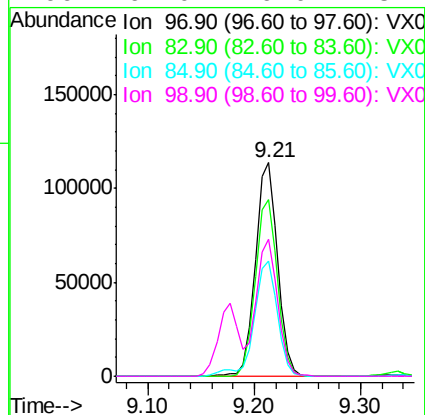
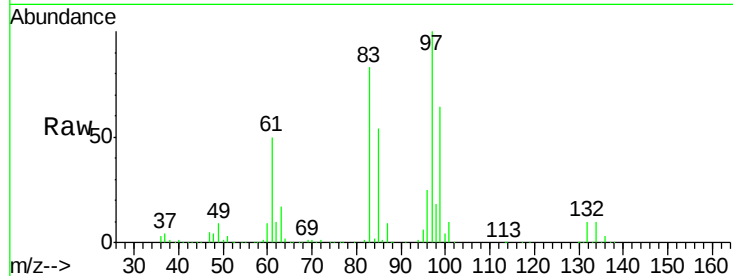
#55
 1,1,2-Trichloroethane
 Concen: 54.251 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	166357
Ion Ratio	Lower	Upper	
97	100		
83	82.5	69.8	104.8
85	54.1	45.3	67.9
99	64.0	49.0	73.4

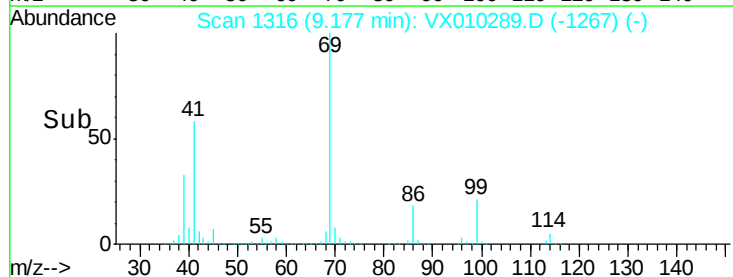
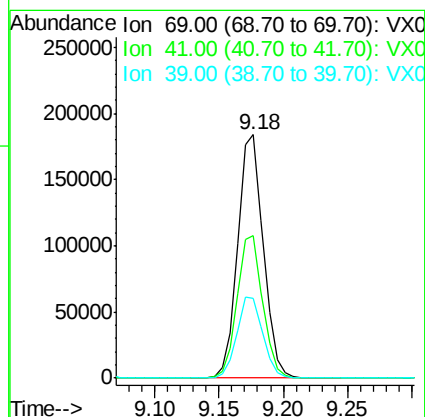
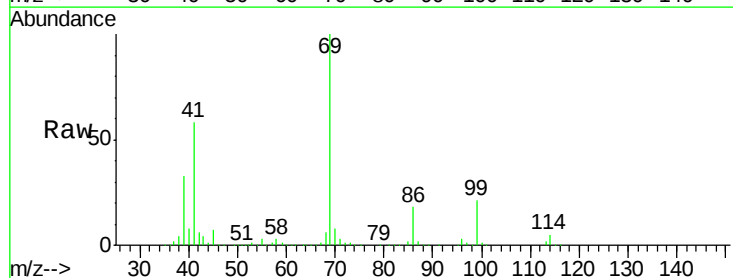
Manual Integrations
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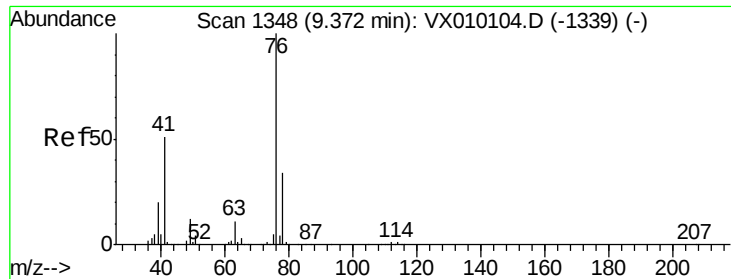
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#56
 Ethyl methacrylate
 Concen: 52.632 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Tgt Ion:	69	Resp:	254945
Ion Ratio	Lower	Upper	
69	100		
41	58.4	62.7	94.1#
39	33.5	29.5	44.3





#57

1,3-Dichloropropane

Concen: 53.182 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 256744

Ion Ratio Lower Upper

76 100

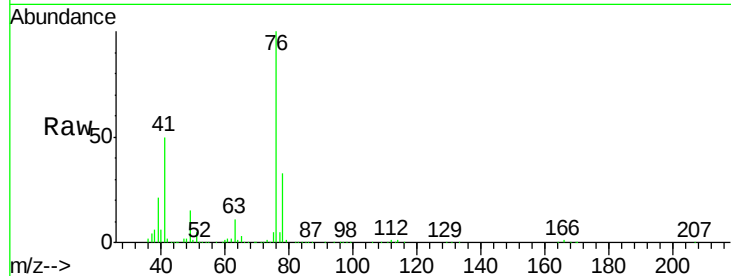
78 32.3 25.4 38.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

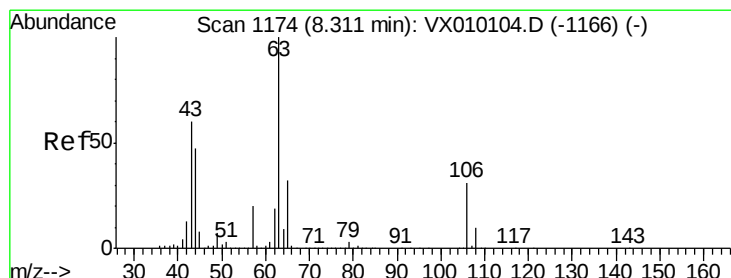
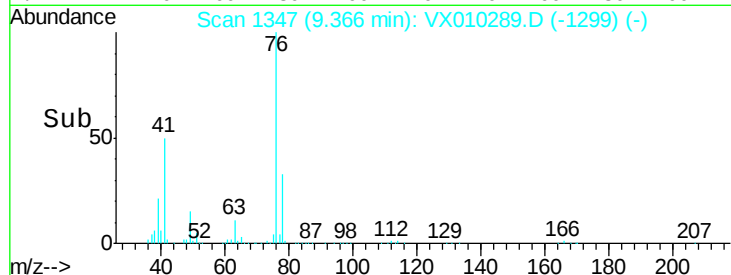
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 256.077 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010289.D

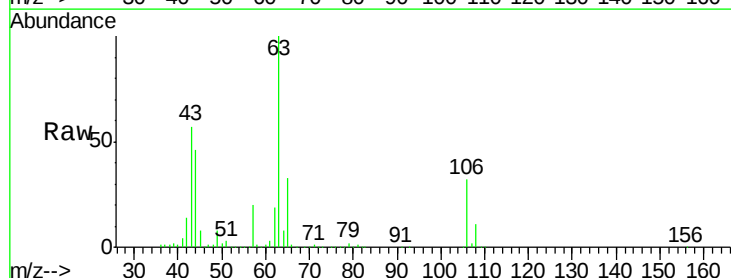
Acq: 14 Jun 2019 10:22

Tgt Ion: 63 Resp: 584762

Ion Ratio Lower Upper

63 100

106 31.1 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

400000

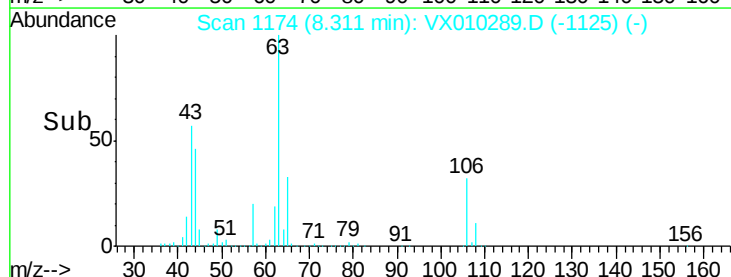
300000

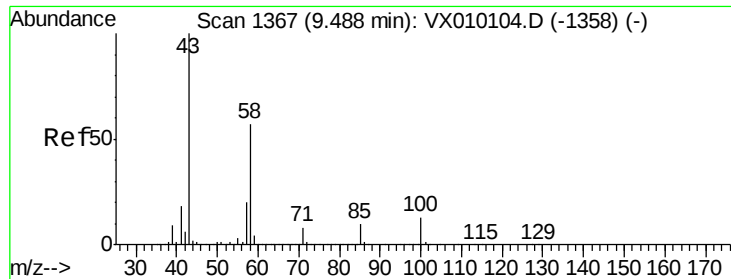
200000

100000

0

Time-->





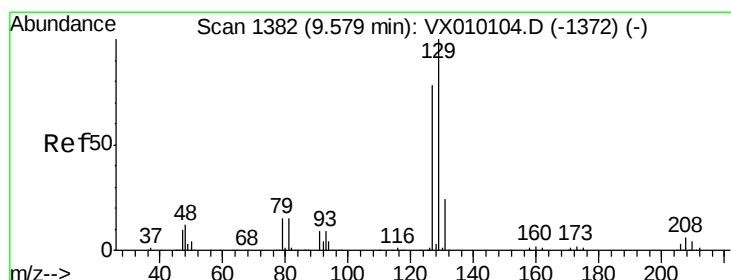
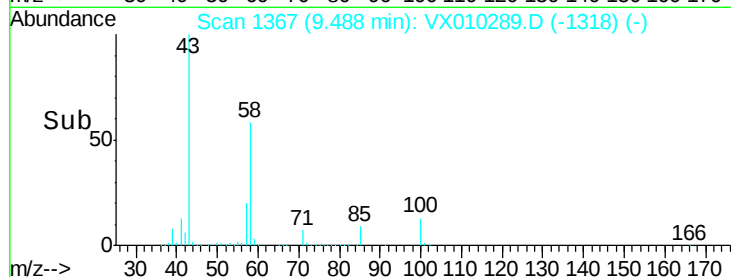
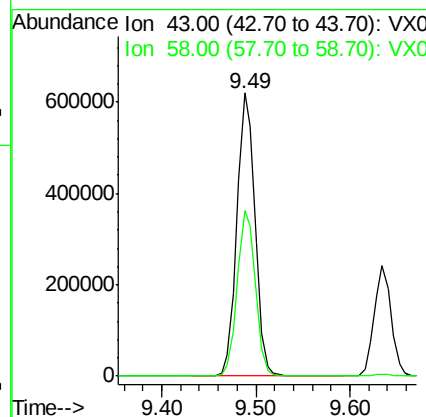
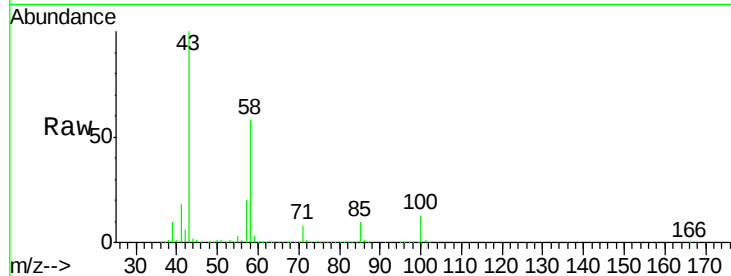
#59
2-Hexanone
Concen: 270.363 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 825239
Ion Ratio Lower Upper
43 100
58 58.6 25.1 75.3

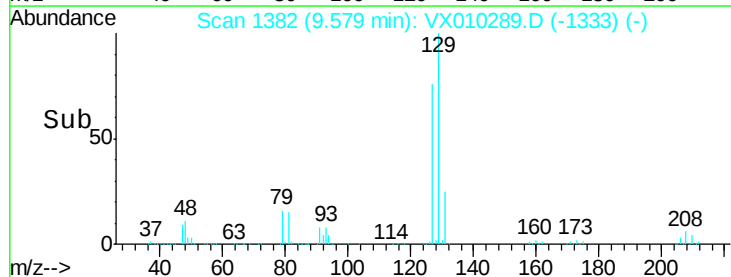
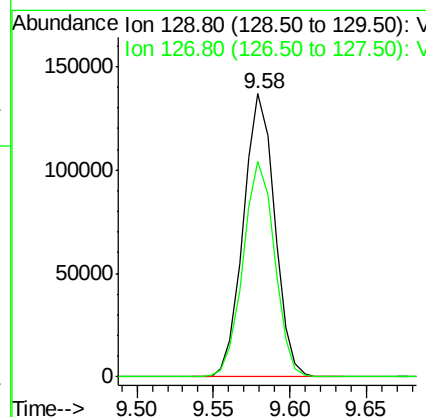
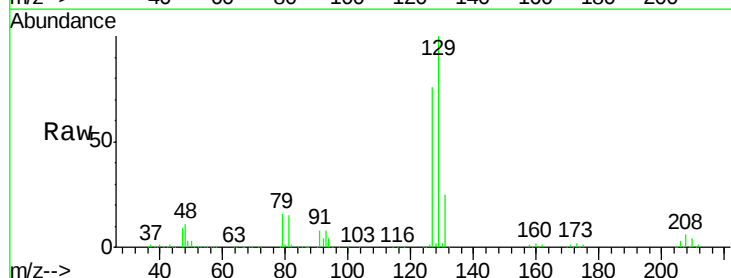
Manual Integrations
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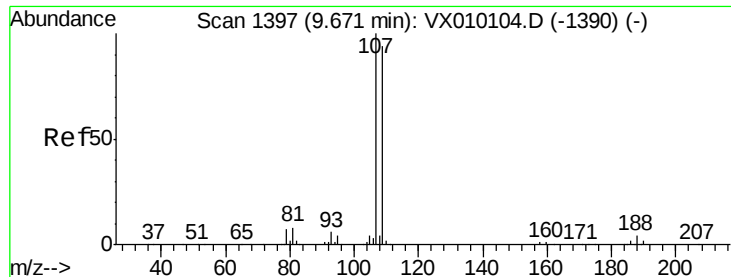
MMDadoda
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#60
Dibromochloromethane
Concen: 53.712 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion: 129 Resp: 194816
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.772 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 180229

Ion Ratio Lower Upper

107 100

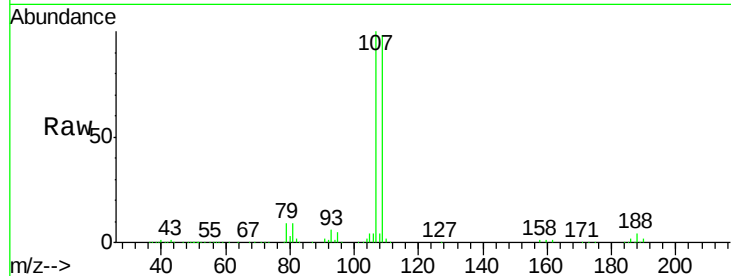
109 94.9 75.4 113.2

Manual Integrations

APPROVED

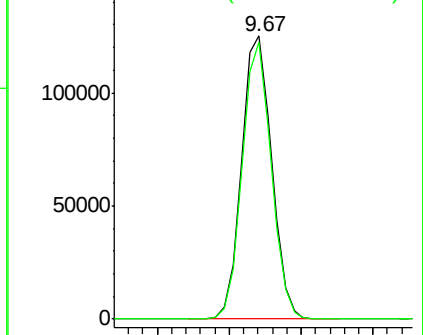
MMDadoda

6/17/2019 10:30:51 AM

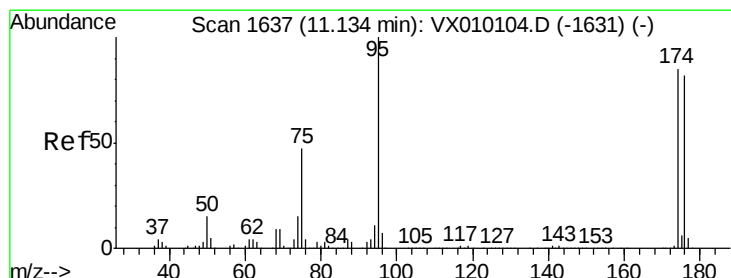
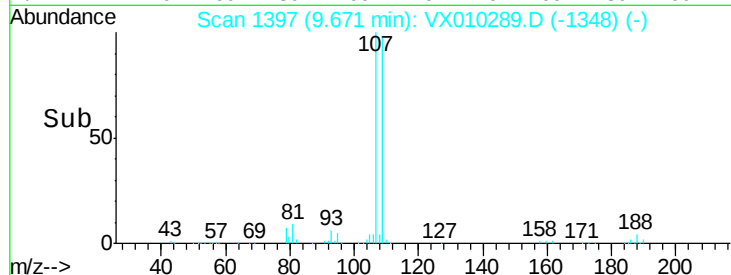


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 48.567 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

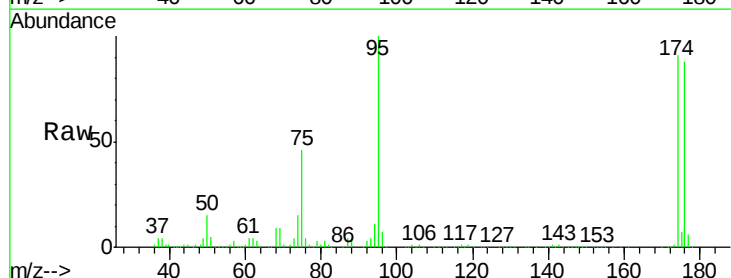
Tgt Ion: 95 Resp: 189319

Ion Ratio Lower Upper

95 100

174 94.9 0.0 160.4

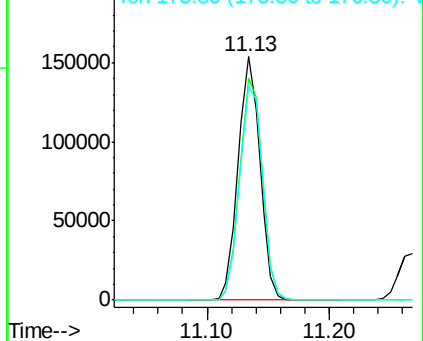
176 93.0 0.0 154.6



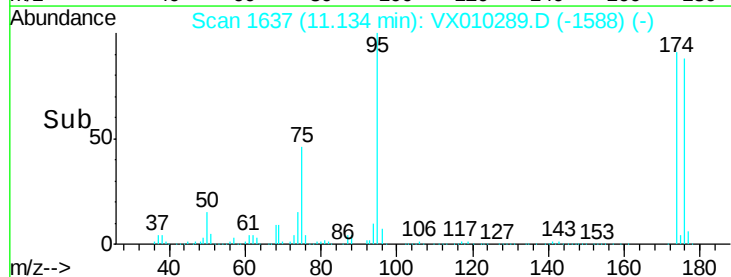
Abundance Ion 94.90 (94.60 to 95.60): VX0

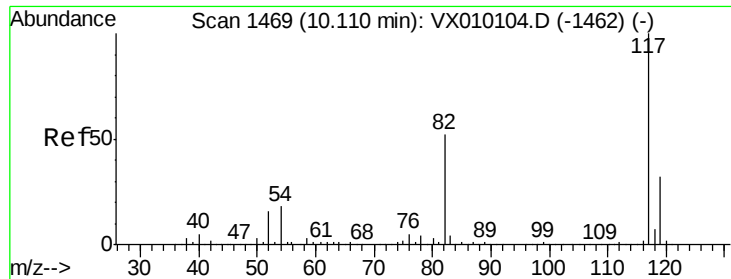
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





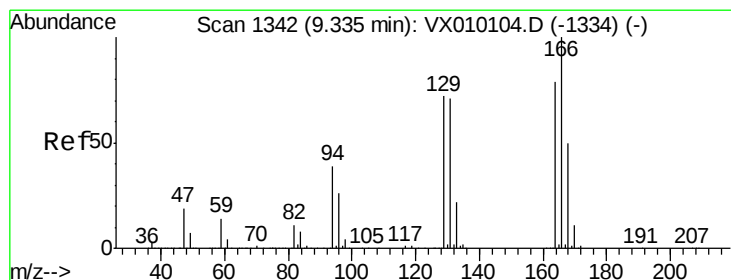
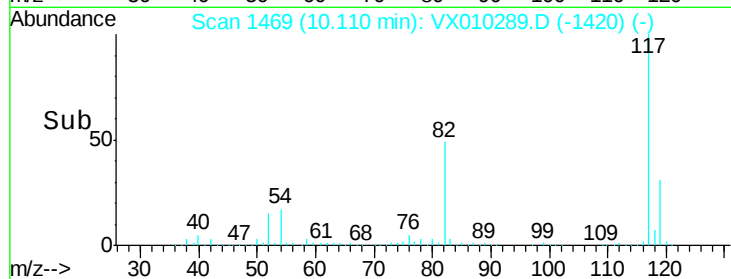
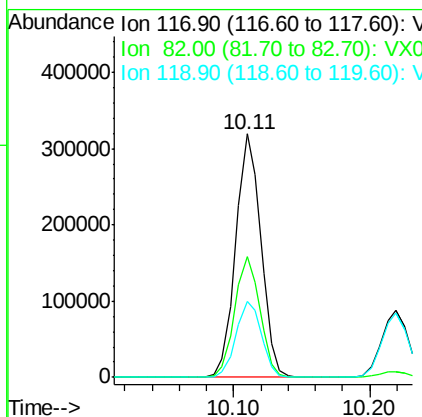
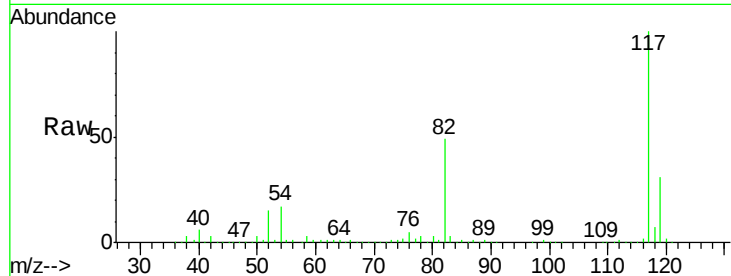
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.4	49.2	73.8
119	31.4	25.2	37.8

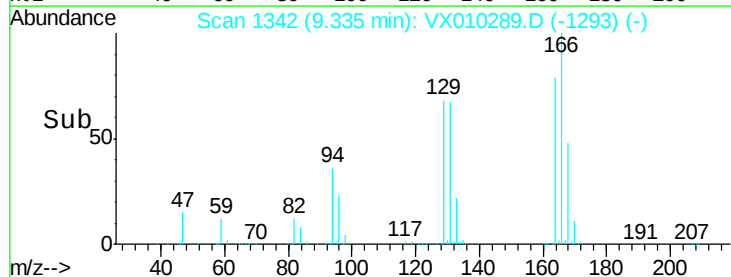
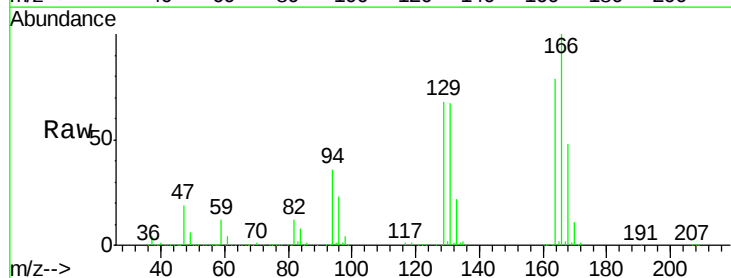
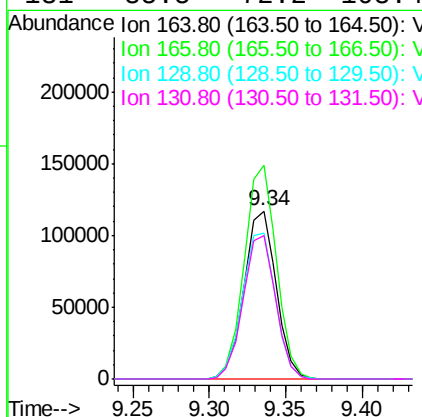
Manual Integrations
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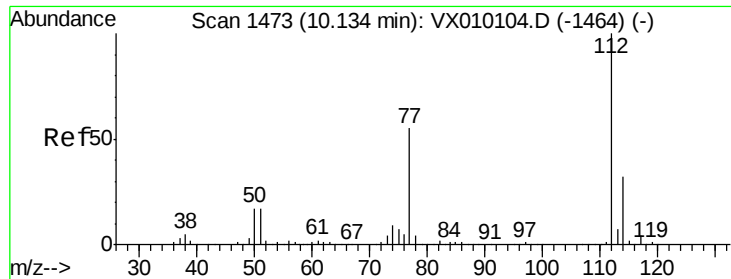
MMDadoda
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#64
Tetrachloroethene
Concen: 55.877 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	105.0	157.4
129	86.6	75.1	112.7
131	85.5	72.2	108.4





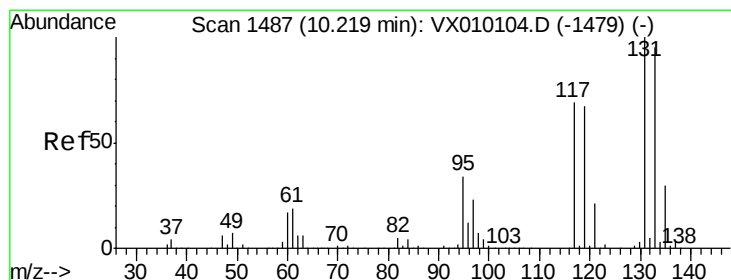
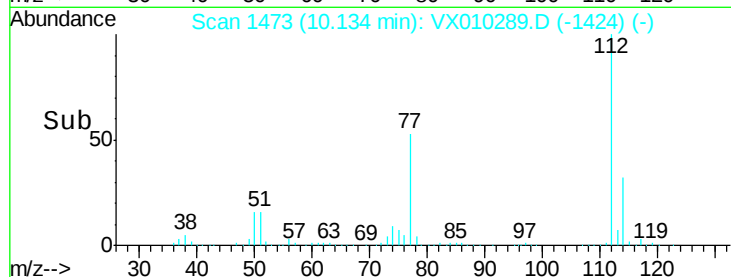
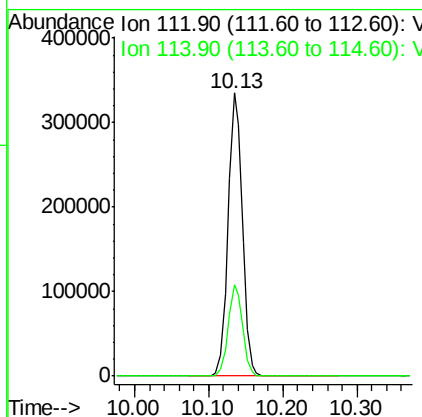
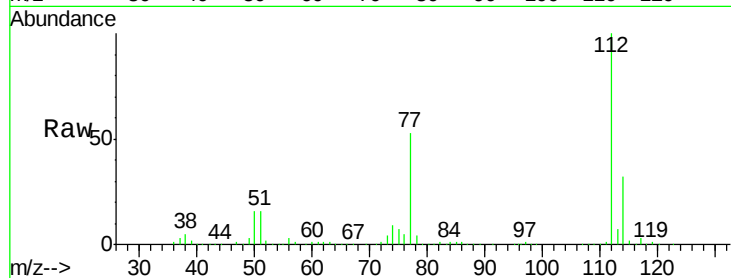
#65
Chlorobenzene
Concen: 52.756 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 449050
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

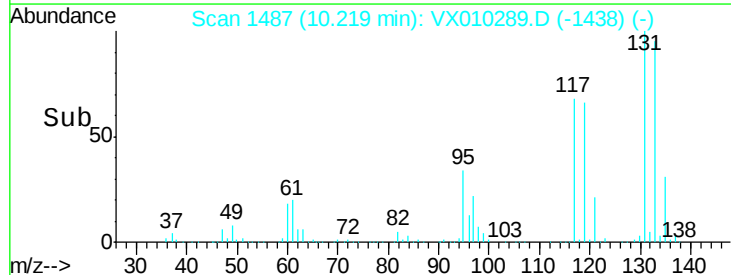
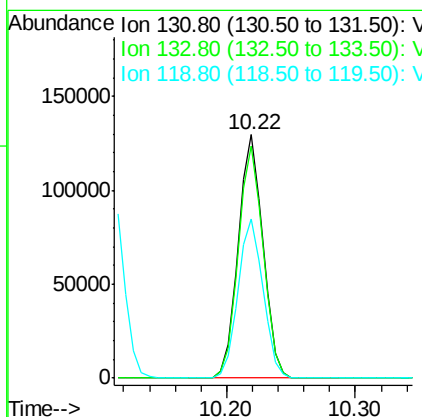
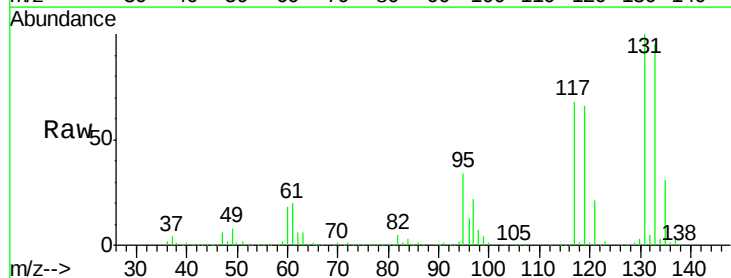
Manual Integrations
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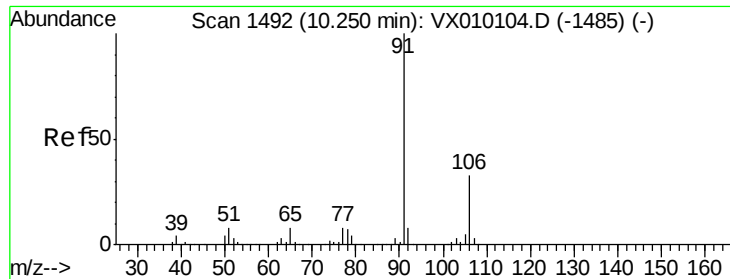
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.617 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion:131 Resp: 172232
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 66.4 33.4 100.1





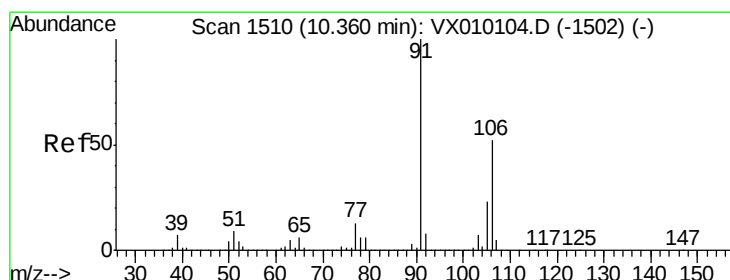
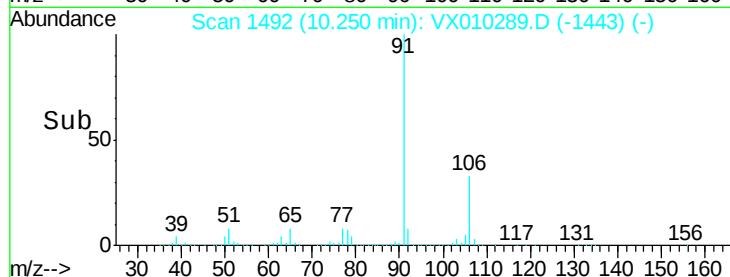
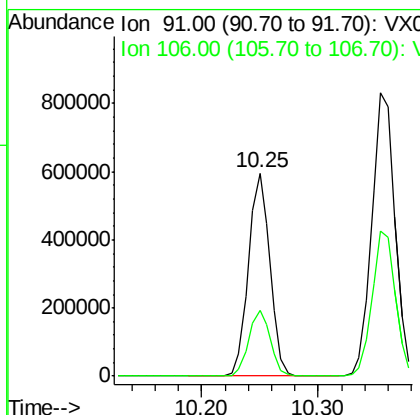
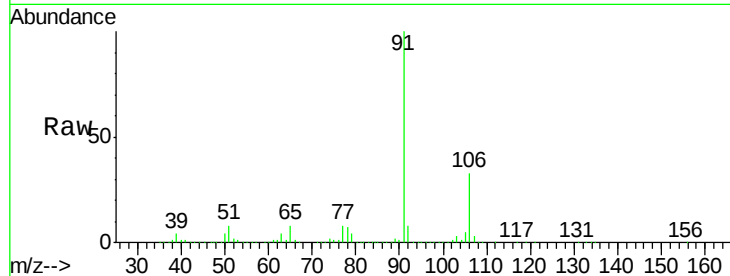
#67
Ethyl Benzene
Concen: 53.017 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 768220
Ion Ratio Lower Upper
91 100
106 32.7 23.9 35.9

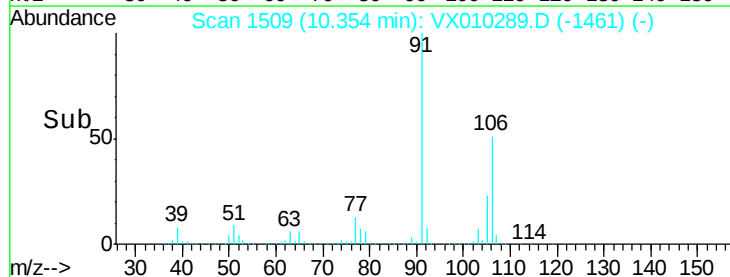
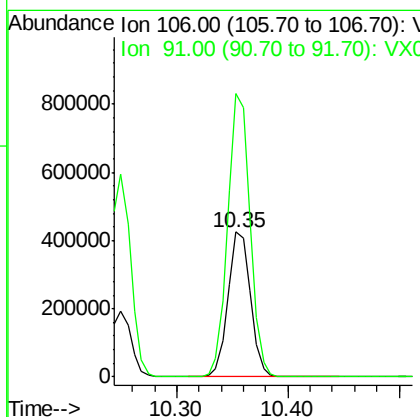
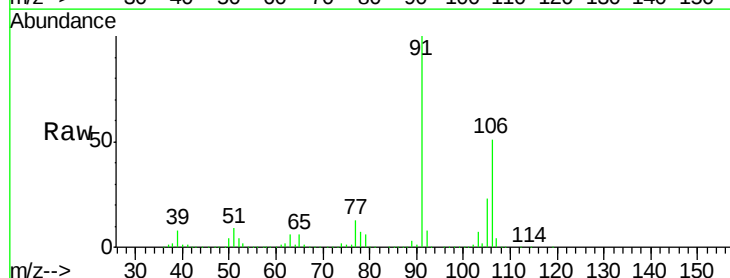
Manual Integrations
APPROVED

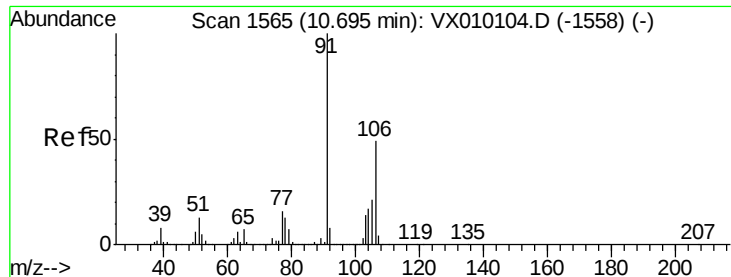
MMDadoda
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#68
m/p-Xylenes
Concen: 105.868 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion: 106 Resp: 593625
Ion Ratio Lower Upper
106 100
91 194.3 167.3 250.9





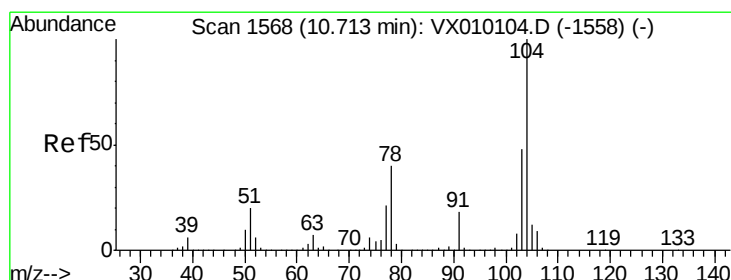
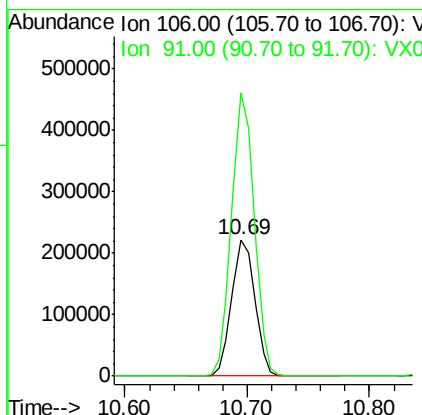
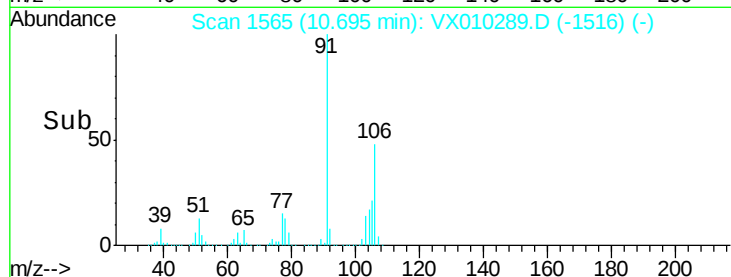
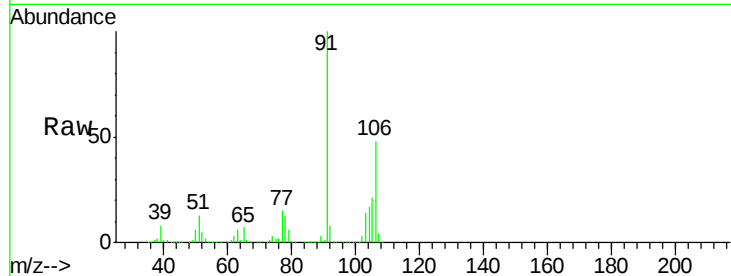
#69
o-Xylene
Concen: 52.194 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	290921		
91	91	203.7		110.4	331.2

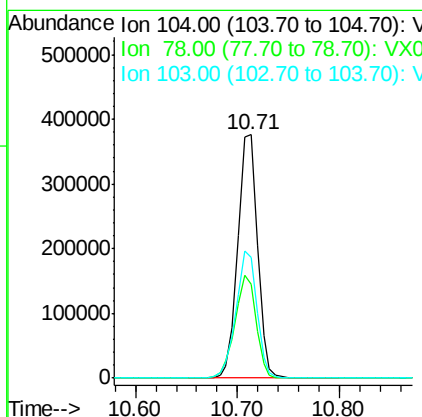
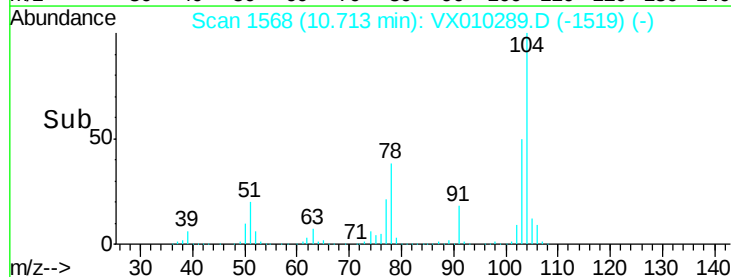
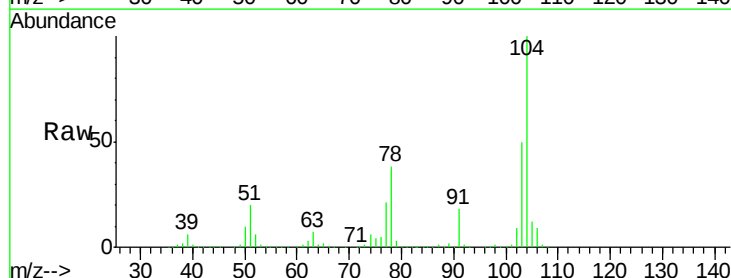
Manual Integrations
APPROVED

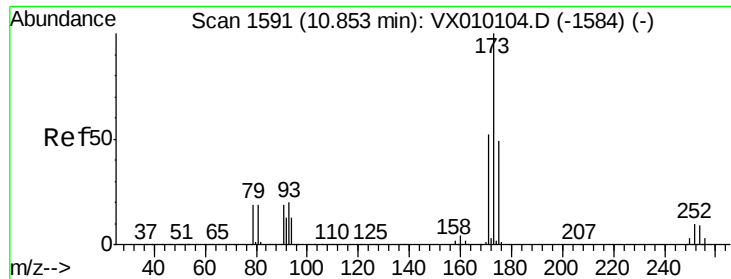
MMDadoda
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#70
Styrene
Concen: 52.909 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	499474		
78	78	45.4		42.1	63.1
103	103	55.4		44.1	66.1





#71

Bromoform

Concen: 51.983 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 156428

Ion Ratio Lower Upper

173 100

175 48.7 25.0 75.0

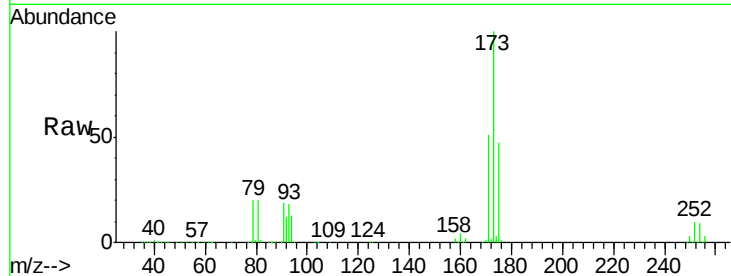
254 0.2 0.2 0.2

Manual Integrations

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MMDadoda

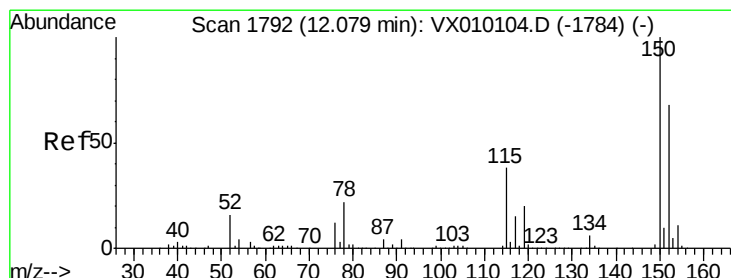
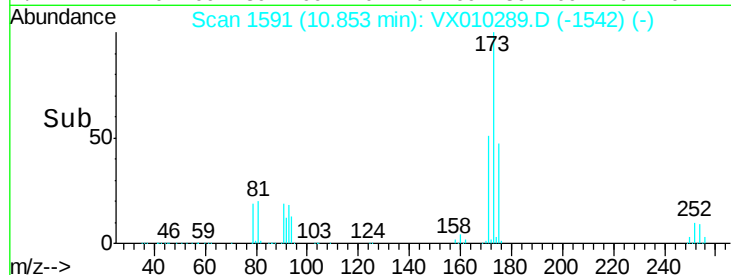
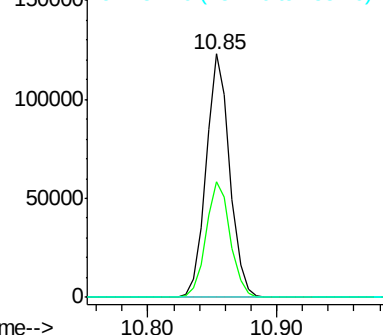
6/17/2019 10:30:51 AM



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: VX010289.D

Acq: 14 Jun 2019 10:22

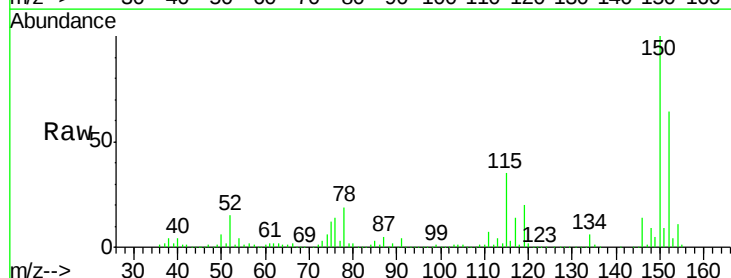
Tgt Ion:152 Resp: 212019

Ion Ratio Lower Upper

152 100

115 79.3 41.4 124.2

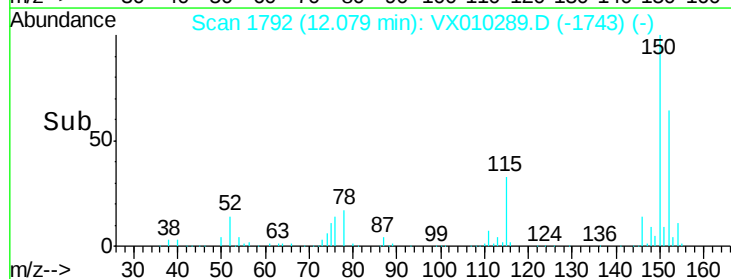
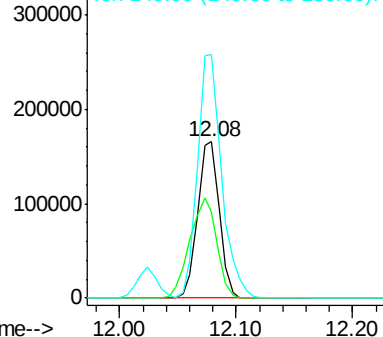
150 174.3 0.0 345.2

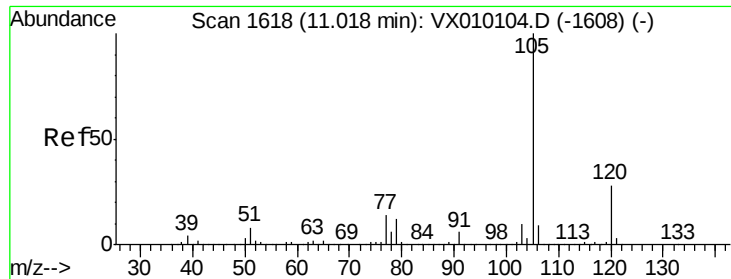


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.573 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 778101

Ion Ratio Lower Upper

105 100

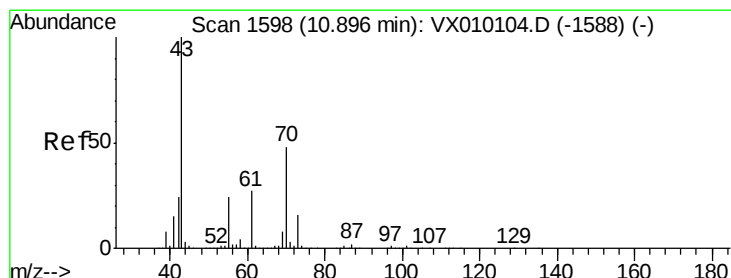
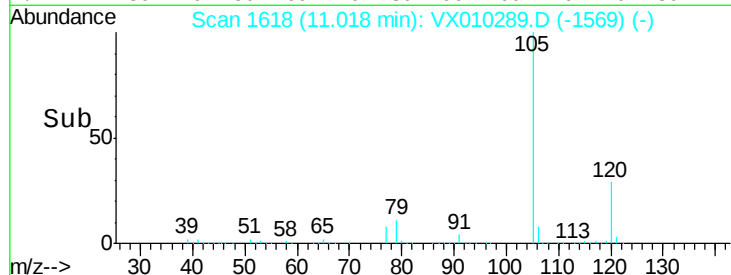
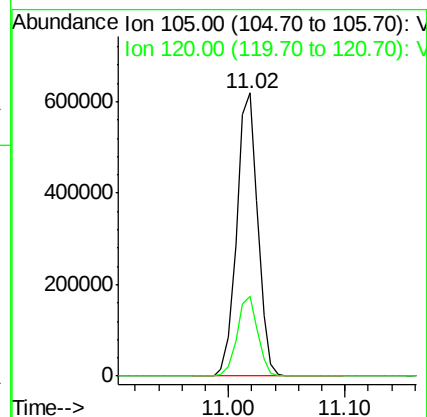
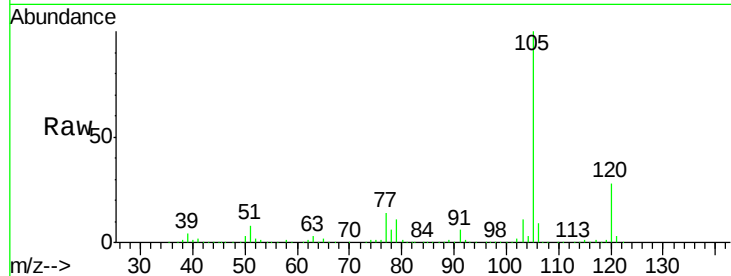
120 27.7 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.599 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Tgt Ion: 43 Resp: 296032

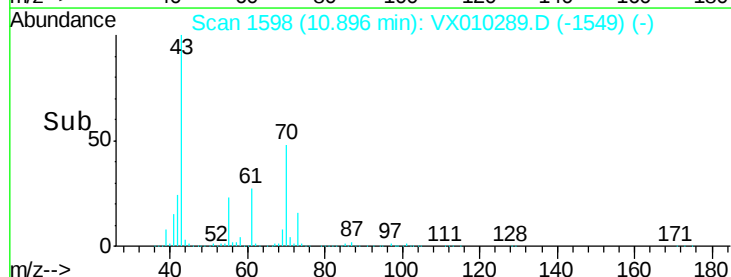
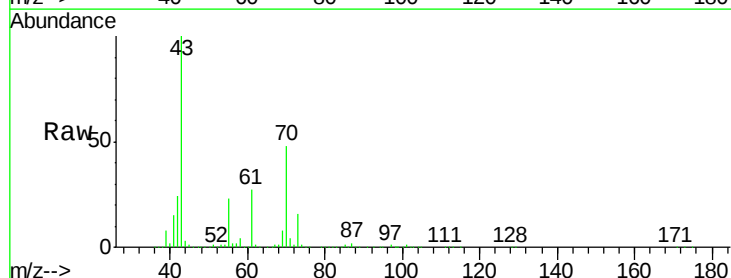
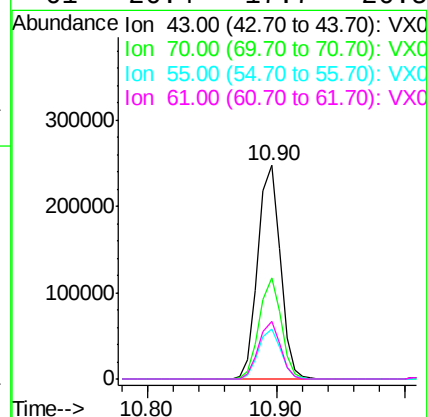
Ion Ratio Lower Upper

43 100

70 46.1 28.6 43.0#

55 23.4 17.8 26.8

61 26.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.952 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 253074

Ion Ratio Lower Upper

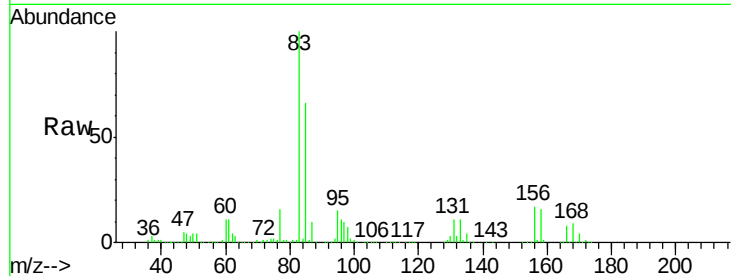
83 100

131 10.9 4.7 14.1

85 65.3 31.9 95.9

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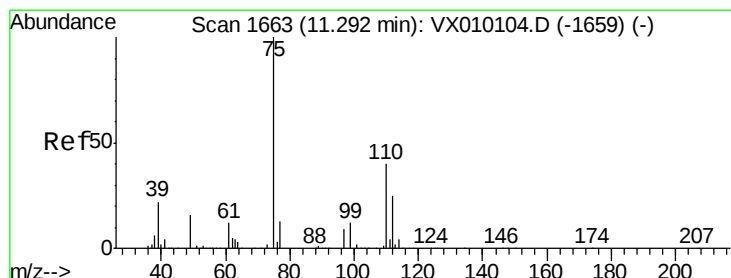
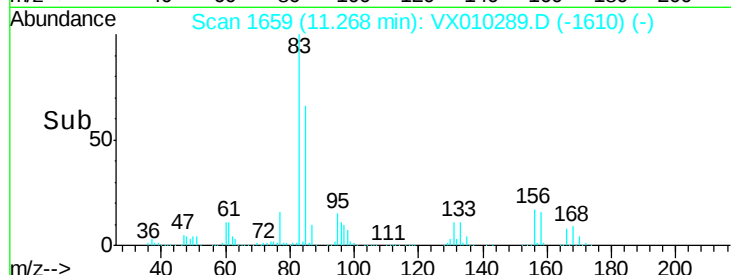
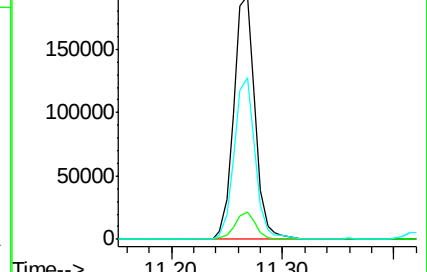
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.530 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010289.D

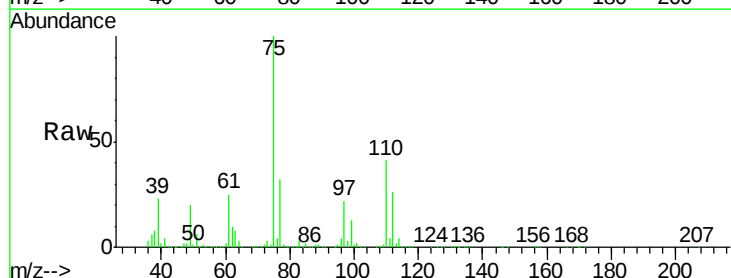
Acq: 14 Jun 2019 10:22

Tgt Ion: 75 Resp: 214289

Ion Ratio Lower Upper

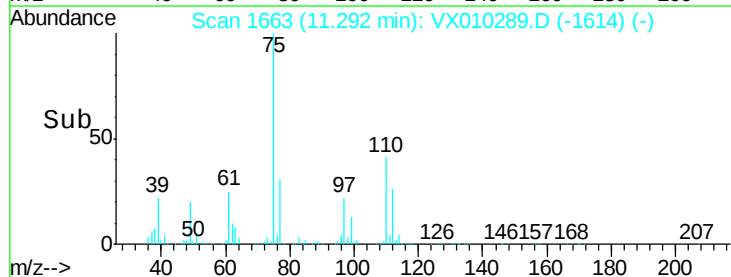
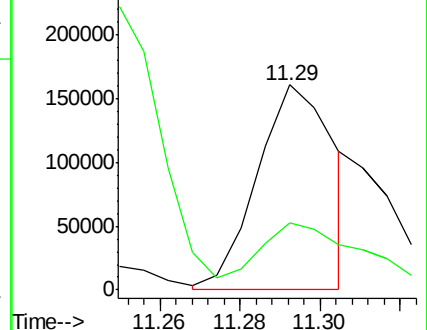
75 100

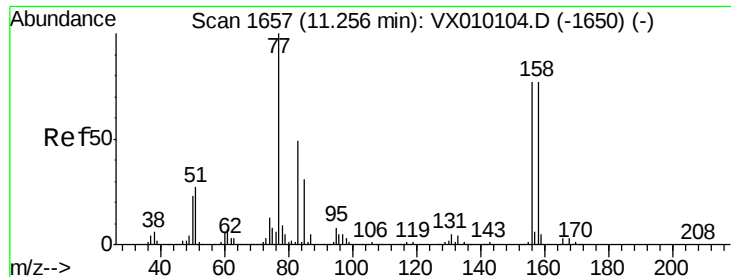
77 44.2 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.208 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

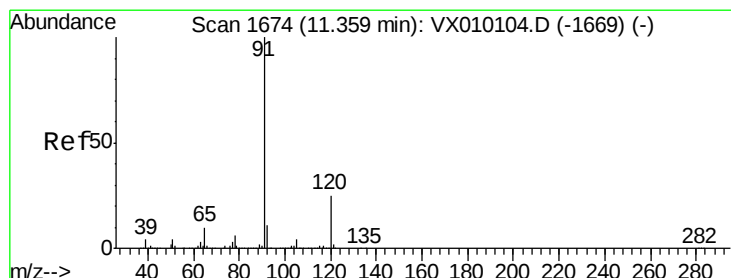
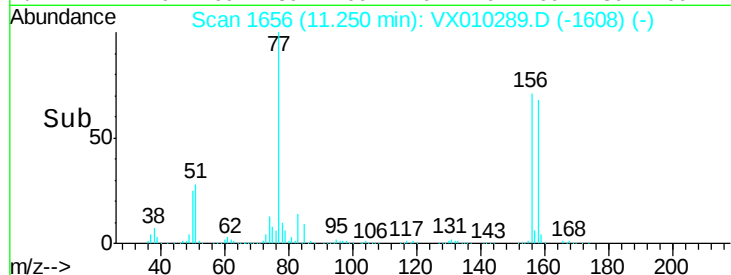
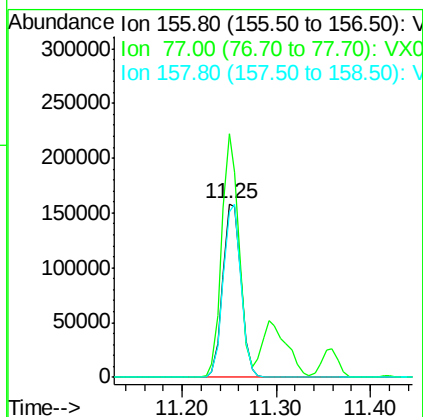
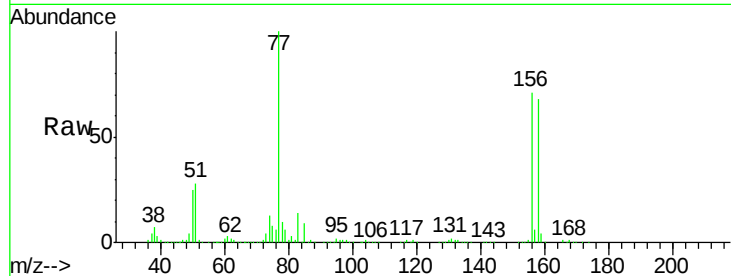
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	212487
Ion Ratio	Lower	Upper	
156	100		
77	132.3	86.8	260.3
158	97.0	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 53.137 ug/l

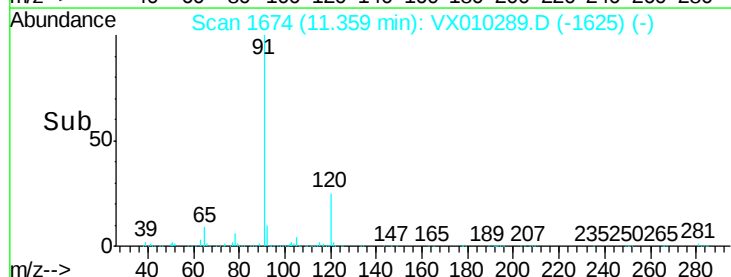
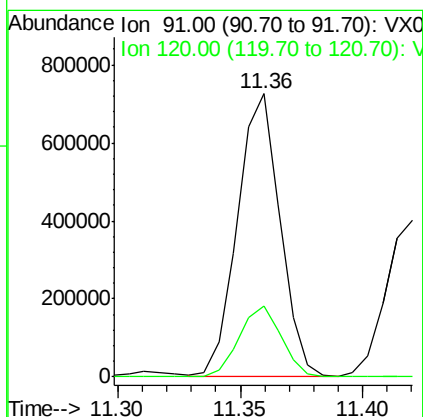
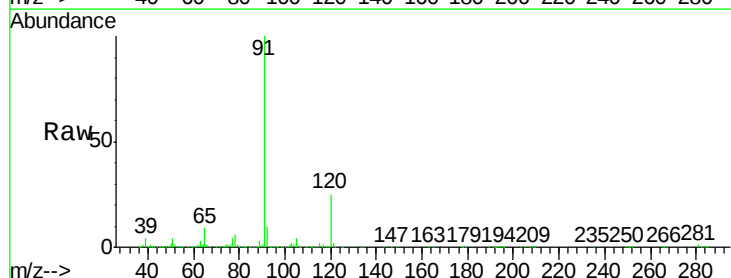
RT: 11.36 min Scan# 1674

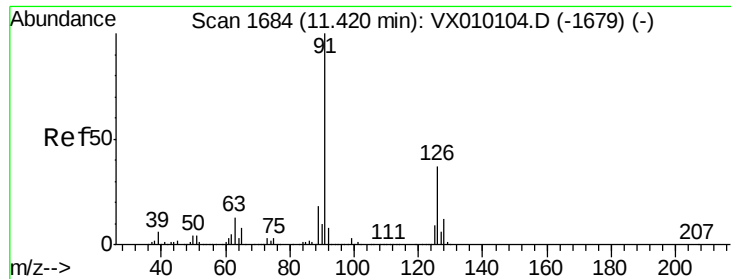
Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Tgt Ion:	91	Resp:	875529
Ion Ratio	Lower	Upper	
91	100		
120	24.9	11.1	33.3





#79

2-Chlorotoluene

Concen: 51.180 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 506481

Ion Ratio Lower Upper

91 100

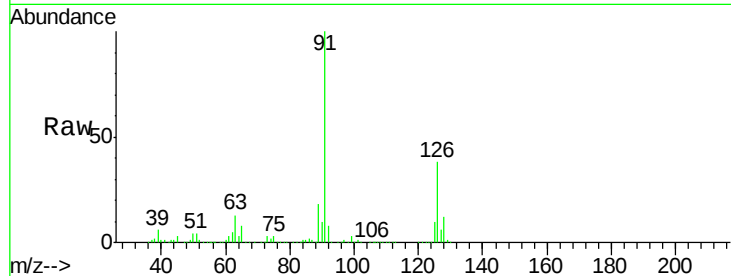
126 37.2 16.1 48.3

Manual Integrations

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

Ion 125.90 (125.60 to 126.60): VX010104.D (-1679) (-)

800000

600000

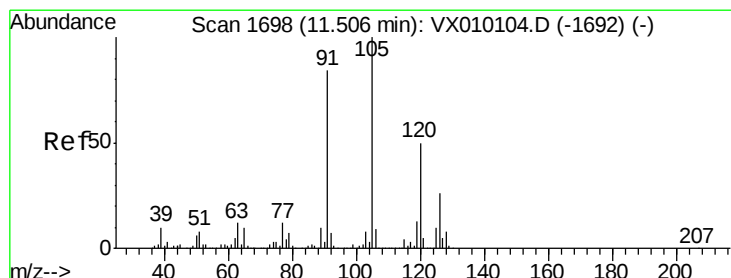
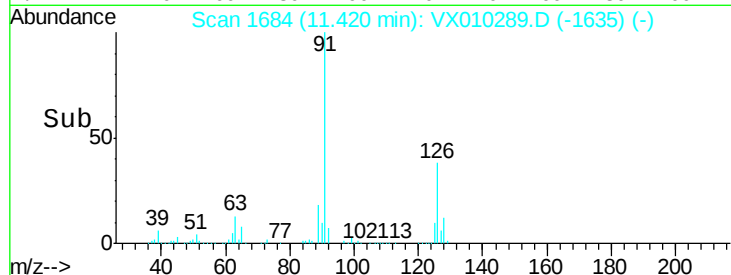
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.953 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010289.D

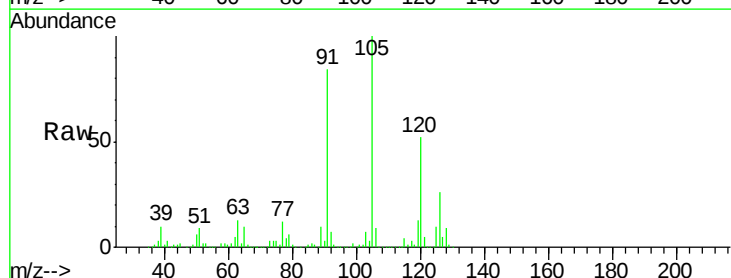
Acq: 14 Jun 2019 10:22

Tgt Ion: 105 Resp: 647643

Ion Ratio Lower Upper

105 100

120 50.4 24.1 72.3



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

Ion 120.00 (119.70 to 120.70): VX010104.D (-1692) (-)

600000

500000

400000

300000

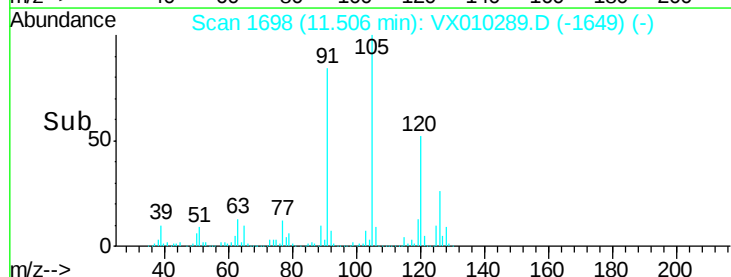
200000

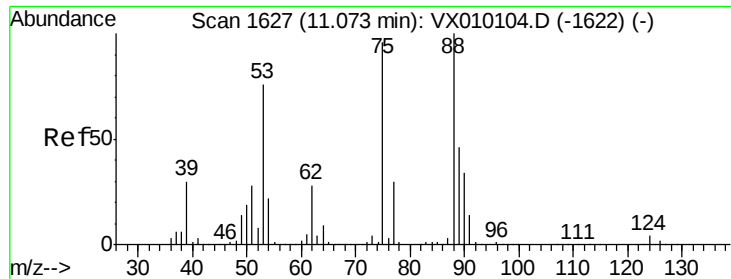
100000

0

11.40 11.50 11.60

Time-->





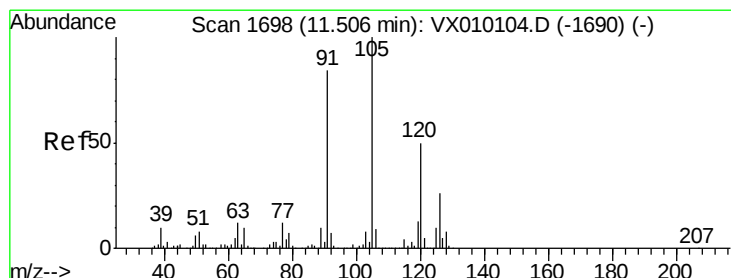
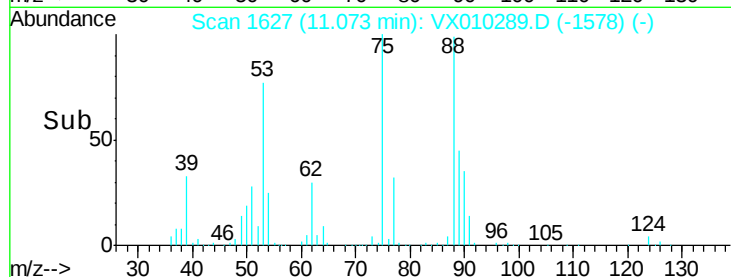
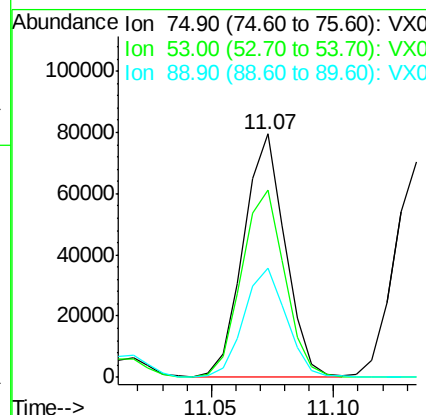
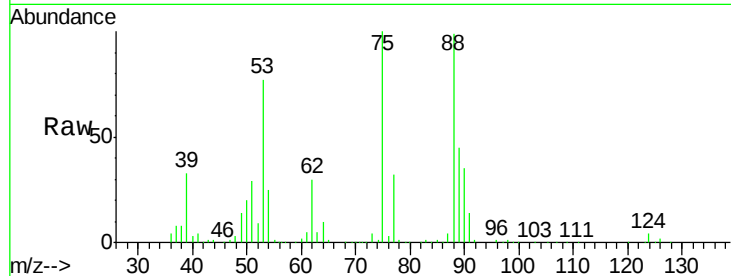
#81
trans-1,4-Dichloro-2-butene
Concen: 48.867 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.4	79.8	119.6
89	46.6	34.2	51.4

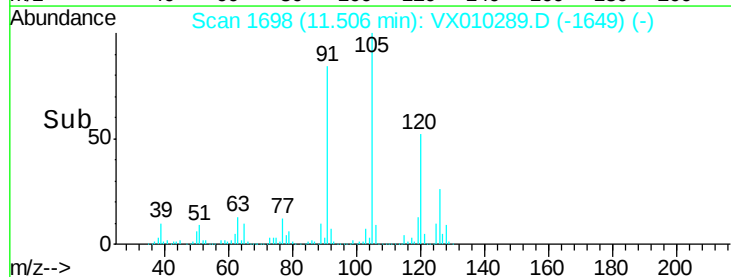
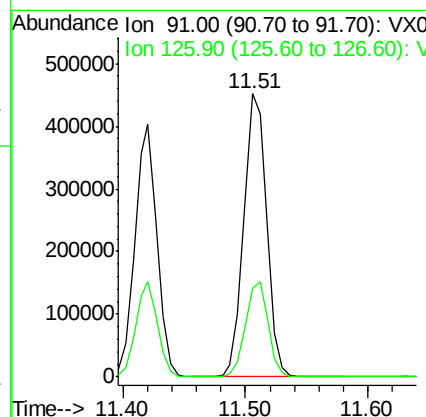
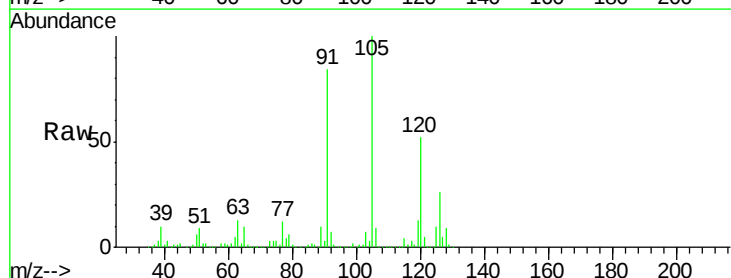
Manual Integrations
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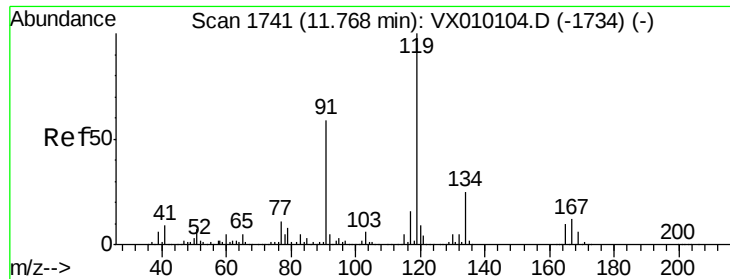
MMDadoda
6/17/2019 10:30:51 AM



#82
4-Chlorotoluene
Concen: 51.642 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	14.2	42.6





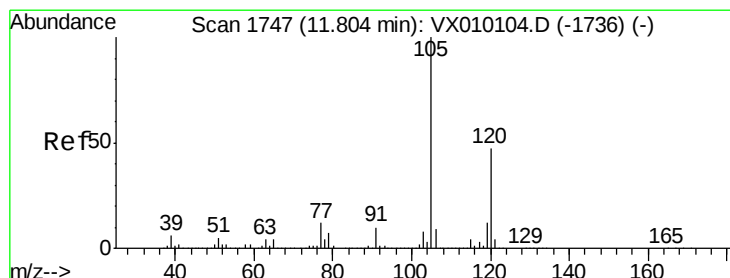
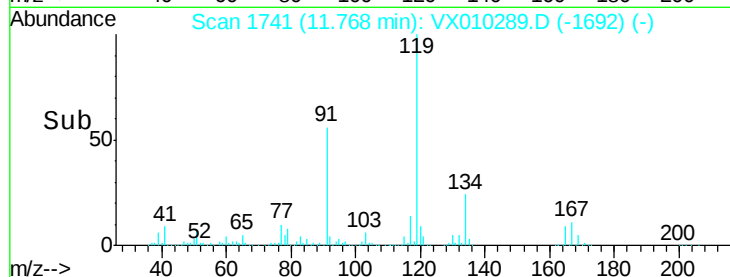
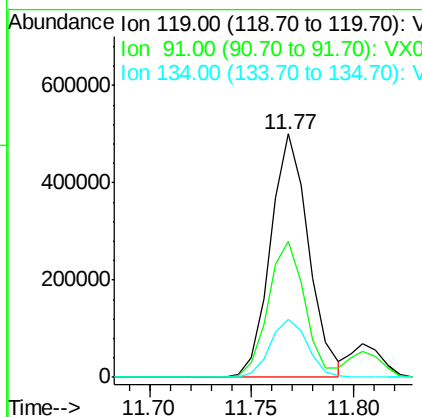
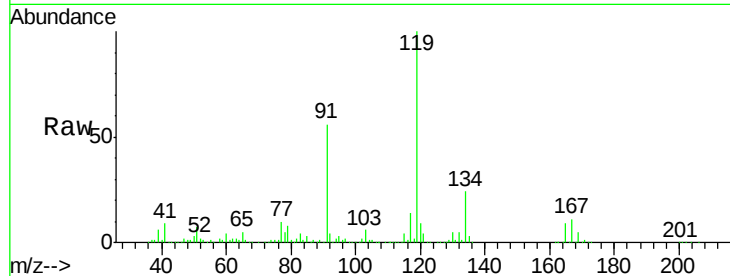
#83
tert-Butylbenzene
Concen: 51.610 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	651177		
91	54.4	30.0	90.0	
134	23.4	11.2	33.5	

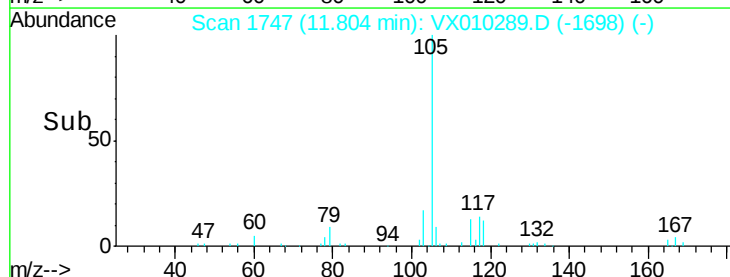
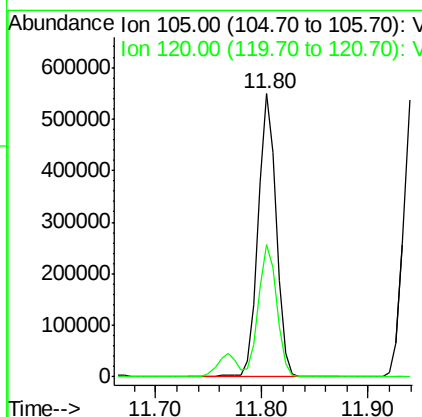
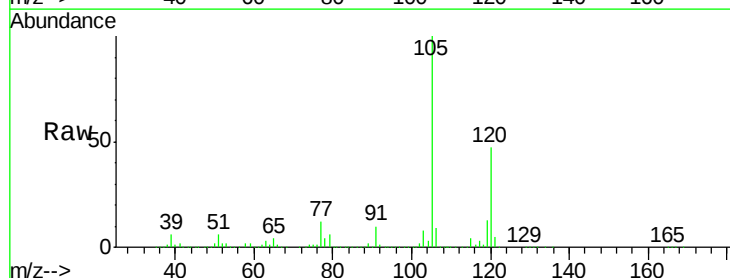
Manual Integrations
APPROVED

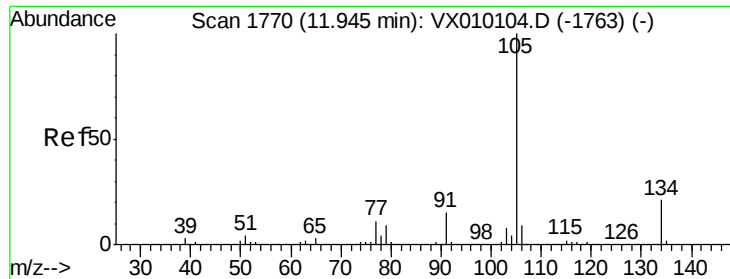
MMDadoda
6/17/2019 10:30:51 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.959 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	654254		
120	47.4	22.1	66.1	





#85

sec-Butylbenzene

Concen: 52.765 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 775621

Ion Ratio Lower Upper

105 100

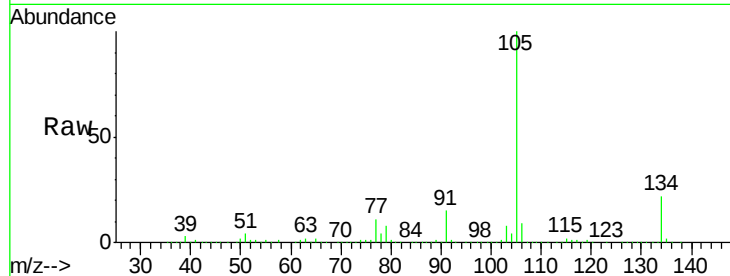
134 21.6 9.7 28.9

Manual Integrations

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MMDadoda

6/17/2019 10:30:51 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

600000

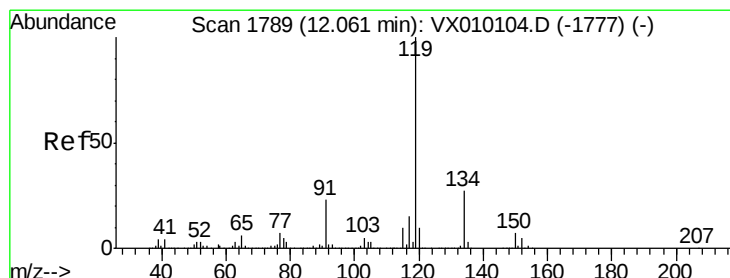
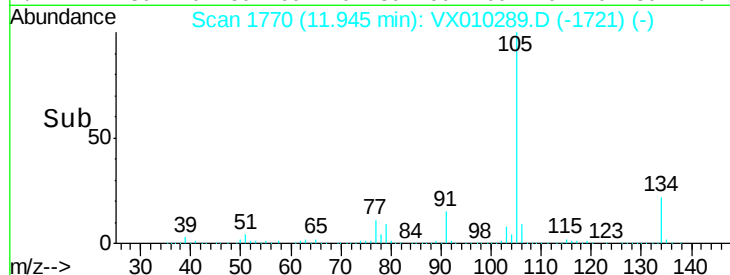
400000

200000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 53.691 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

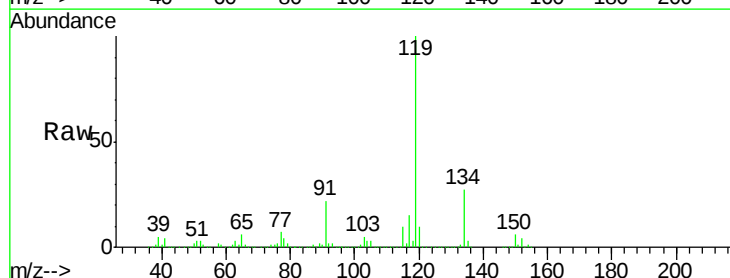
Tgt Ion:119 Resp: 721505

Ion Ratio Lower Upper

119 100

134 27.6 12.9 38.6

91 21.9 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

12.06

800000

600000

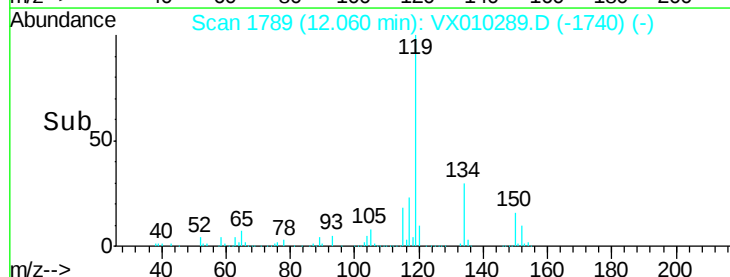
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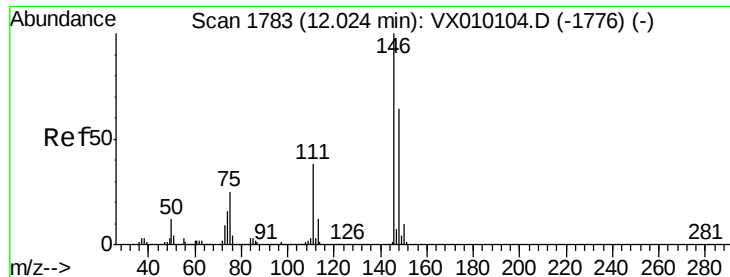
200000

0

Time-->

12.00 12.10





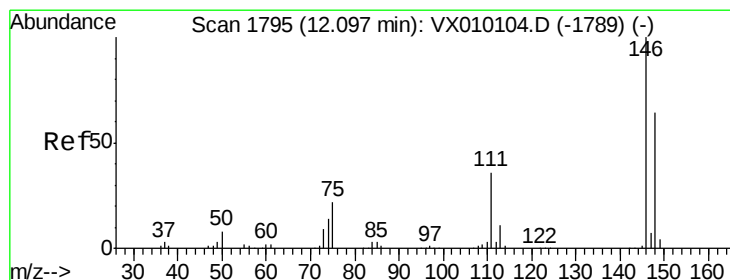
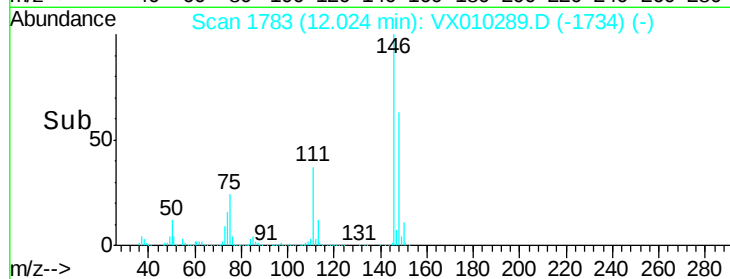
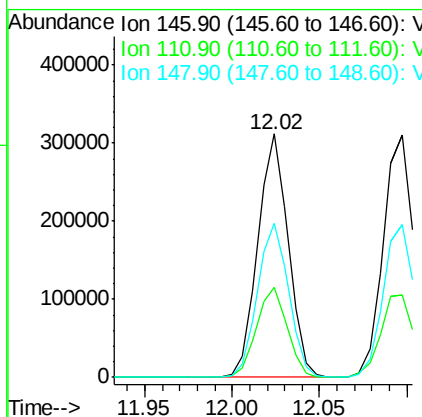
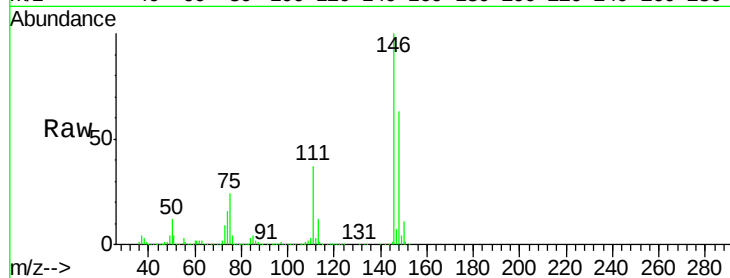
#87
 1,3-Dichlorobenzene
 Concen: 52.589 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.1	60.2
148	64.5	31.9	95.5

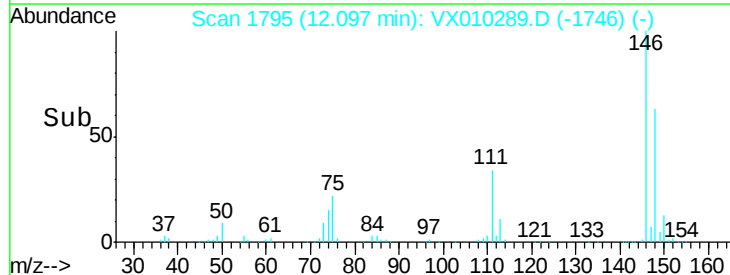
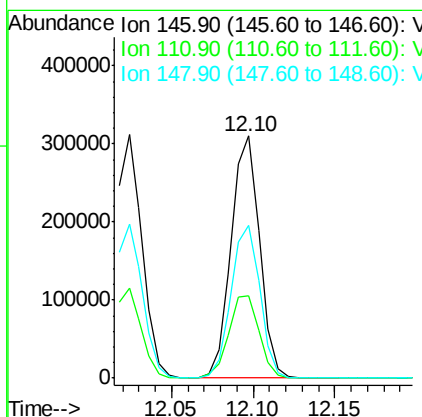
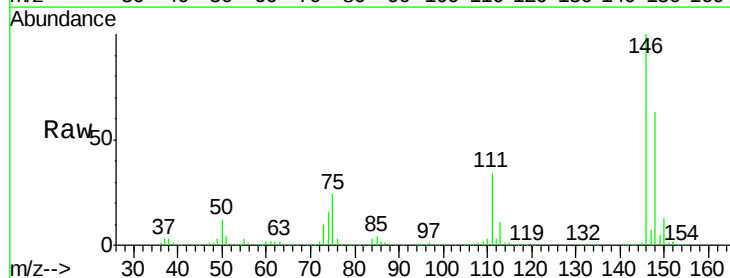
Manual Integrations
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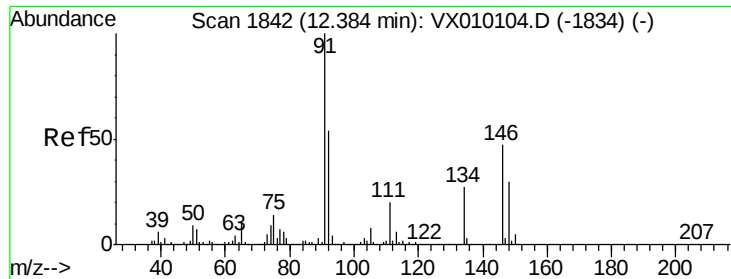
MMDadoda
 6/17/2019 10:30:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.898 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	20.0	59.9
148	64.2	32.3	96.9





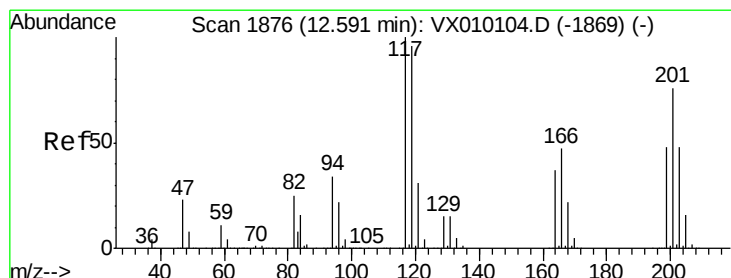
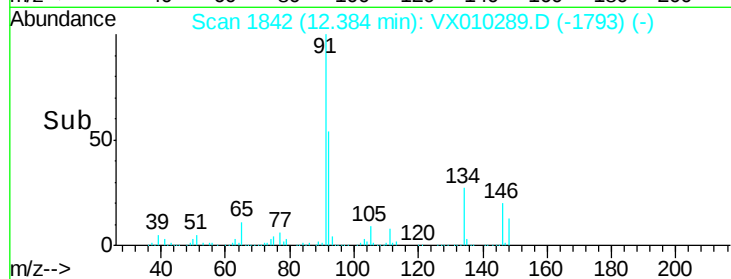
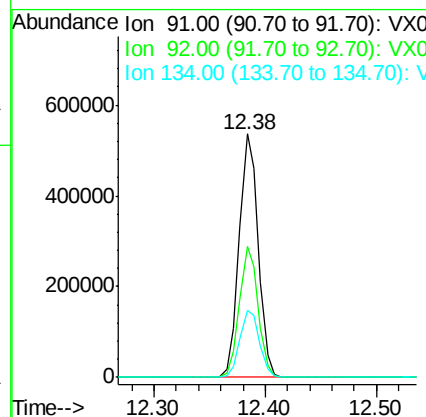
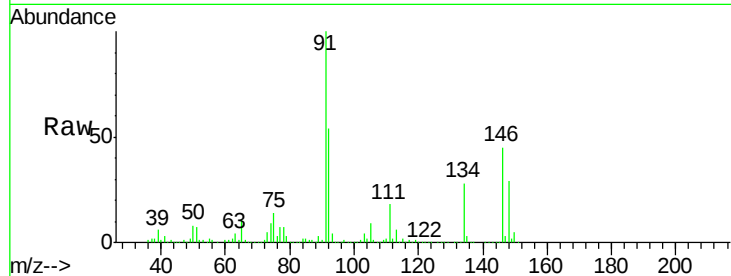
#89
n-Butylbenzene
Concen: 54.611 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.8
134	28.3	12.3	36.8

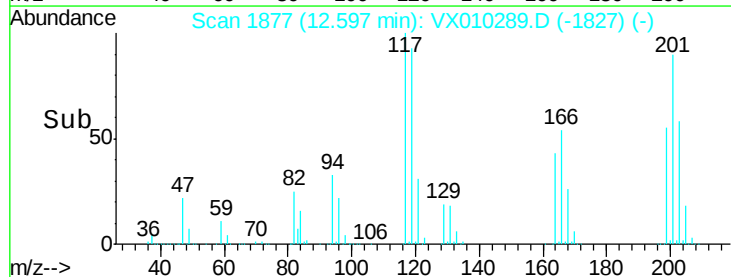
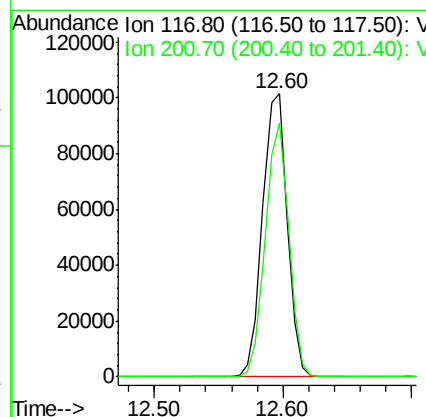
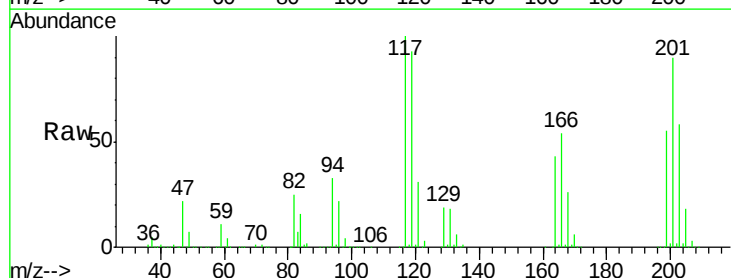
Manual Integrations
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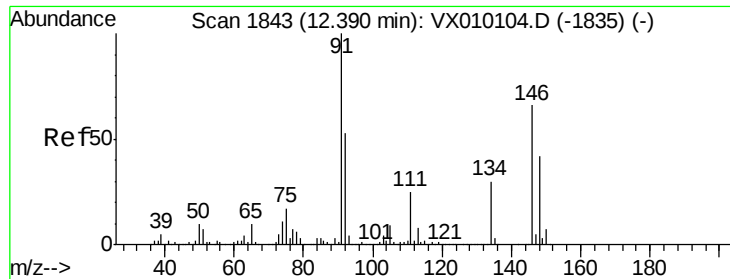
MMDadoda
6/17/2019 10:30:51 AM



#90
Hexachloroethane
Concen: 50.158 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	43.6	130.9





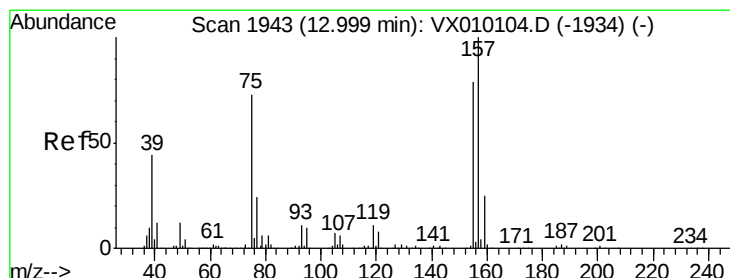
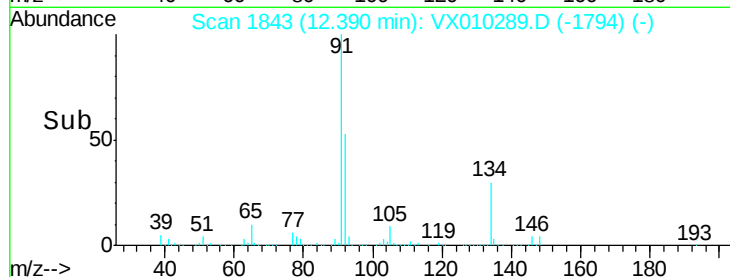
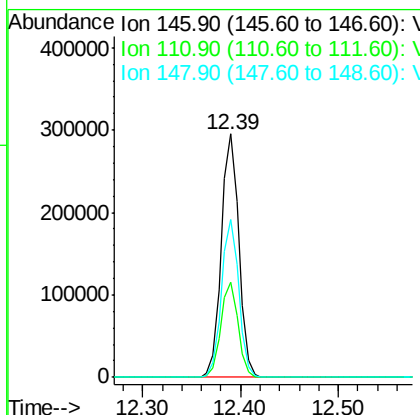
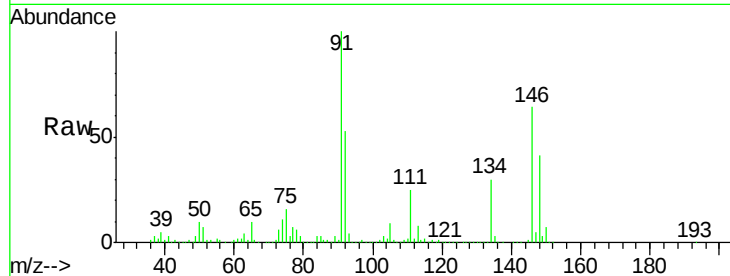
#91
 1,2-Dichlorobenzene
 Concen: 52.662 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	367033		
111	38.3	21.1	63.1	
148	63.8	32.3	96.8	

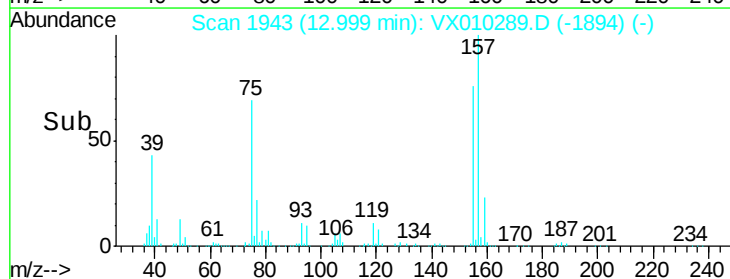
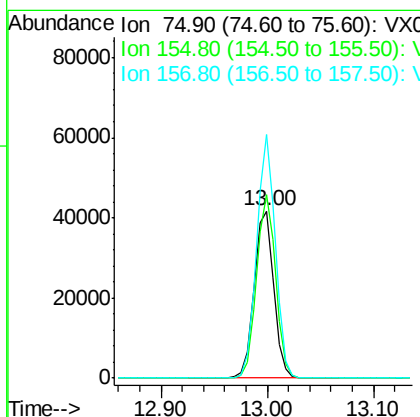
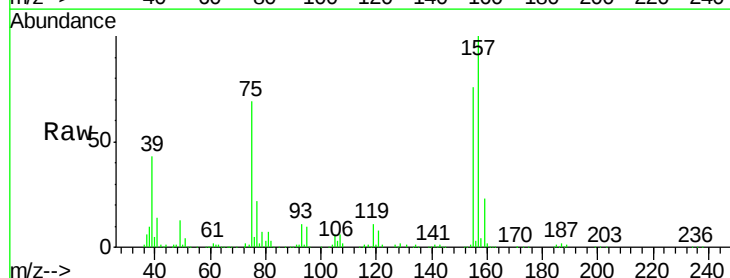
Manual Integrations
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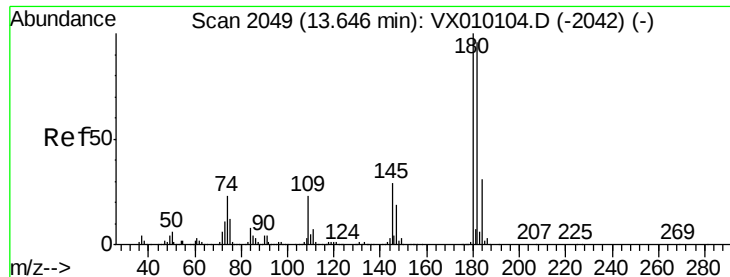
MMDadoda
 6/17/2019 10:30:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.391 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010289.D
 Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54114		
155	106.2	39.3	117.8	
157	137.9	50.6	151.8	





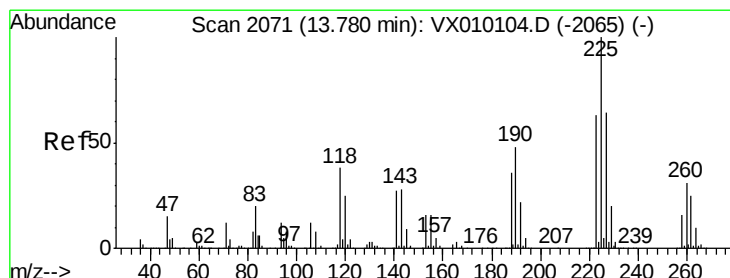
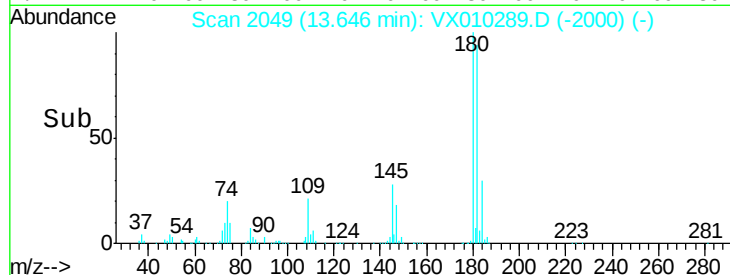
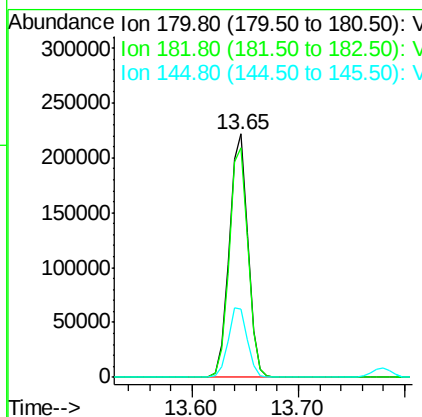
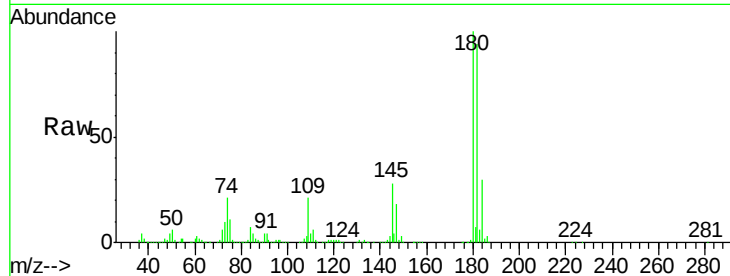
#93
1,2,4-Trichlorobenzene
Concen: 53.145 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	271127		
182	95.6	47.4	142.2	
145	29.2	14.5	43.5	

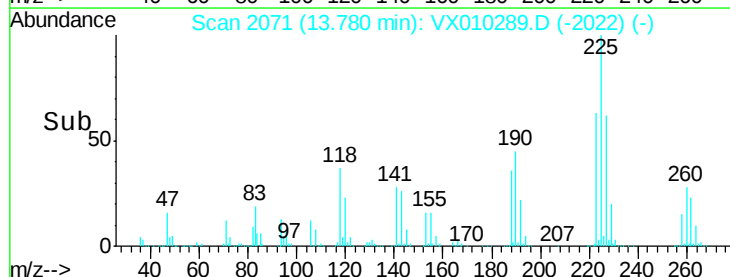
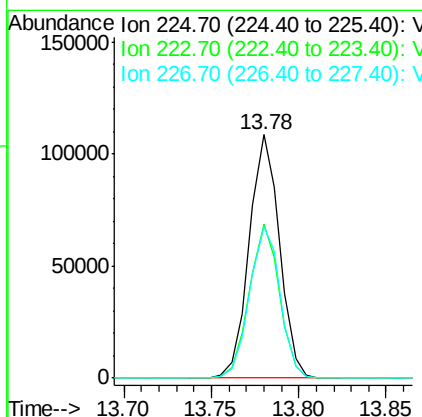
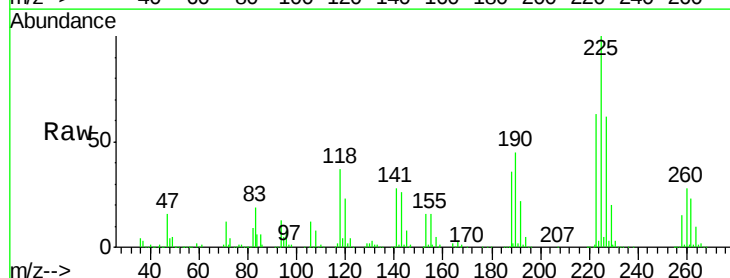
Manual Integrations
APPROVED

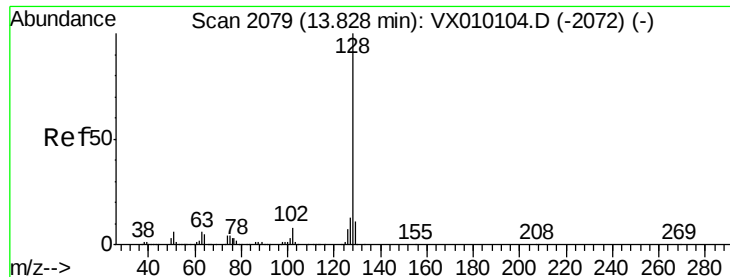
MMDadoda
6/17/2019 10:30:51 AM



#94
Hexachlorobutadiene
Concen: 57.447 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX010289.D
Acq: 14 Jun 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130340		
223	62.9	31.3	93.8	
227	63.0	32.3	96.8	





#95

Naphthalene

Concen: 51.542 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Instrument :

MSVOA_X

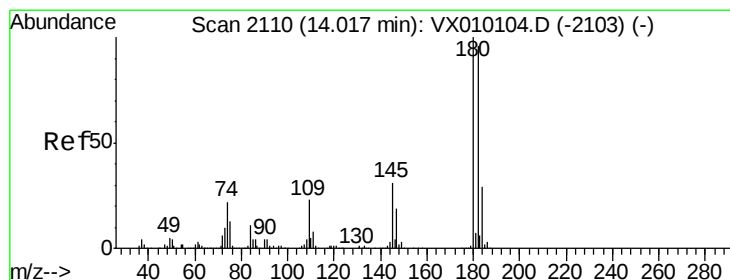
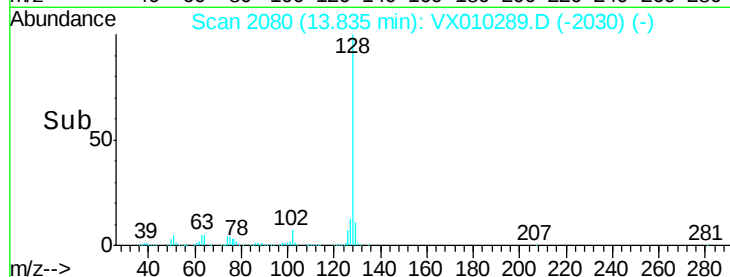
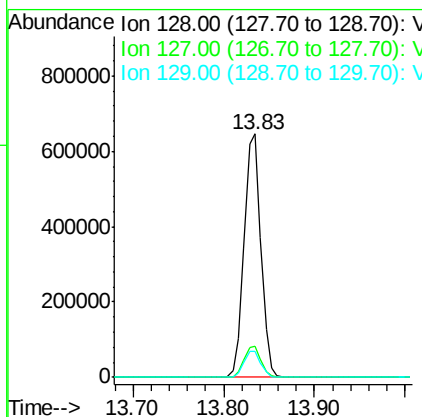
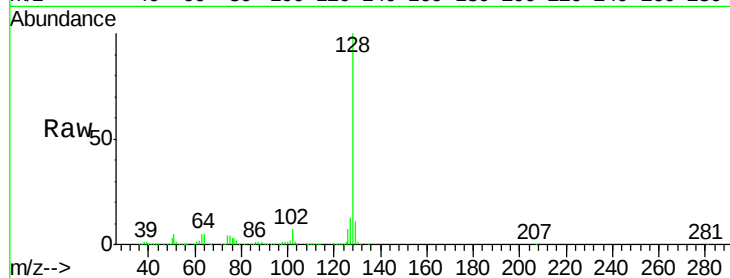
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	827745
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/17/2019 10:30:51 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.835 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010289.D

Acq: 14 Jun 2019 10:22

Tgt Ion:	180	Resp:	266513
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	30.6	15.6	46.7

