

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010109.D
 Acq On : 07 Jun 2019 15:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 10:52:44 AM

Quant Time: Jun 08 02:56:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	285954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	441606	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	416948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212181	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	148187	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
35) Dibromofluoromethane	5.49	113	139636	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
50) Toluene-d8	8.71	98	509119	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.13	95	203078	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	132156	50.227	ug/l	99
3) Chloromethane	1.32	50	129043	49.384	ug/l	99
4) Vinyl Chloride	1.41	62	113752	46.318	ug/l	98
5) Bromomethane	1.64	94	48251	52.064	ug/l	100
6) Chloroethane	1.71	64	65852	53.183	ug/l	98
7) Trichlorofluoromethane	1.92	101	170882	46.842	ug/l	100
8) Diethyl Ether	2.18	74	67670	53.819	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.38	101	117839	46.860	ug/l	91
10) Methyl Iodide	2.51	142	199670	51.247	ug/l	96
11) Tert butyl alcohol	3.05	59	191641	280.269	ug/l	100
12) 1,1-Dichloroethene	2.37	96	116799	45.474	ug/l #	80
13) Acrolein	2.29	56	35156	281.970	ug/l	99
14) Allyl chloride	2.72	41	192038	49.532	ug/l #	90
15) Acrylonitrile	3.14	53	387515	277.267	ug/l	99
16) Acetone	2.45	43	341453	260.089	ug/l #	88
17) Carbon Disulfide	2.57	76	336455	45.335	ug/l	99
18) Methyl Acetate	2.78	43	155112	53.724	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	443714	53.772	ug/l	94
20) Methylene Chloride	2.85	84	147305	51.091	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	130798	46.016	ug/l #	79
22) Diisopropyl ether	3.85	45	399328	53.871	ug/l #	86
23) Vinyl Acetate	3.81	43	1848055	279.461	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	221794	49.280	ug/l	95
25) 2-Butanone	4.67	43	547423	280.022	ug/l #	84
26) 2,2-Dichloropropane	4.58	77	183103	44.595	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	161499	51.073	ug/l	78
28) Bromochloromethane	5.02	49	103688	51.405	ug/l #	50
29) Tetrahydrofuran	5.13	42	341297	277.797	ug/l #	74
30) Chloroform	5.21	83	238204	50.962	ug/l	98
31) Cyclohexane	5.58	56	192538	47.401	ug/l #	79
32) 1,1,1-Trichloroethane	5.49	97	203135	46.228	ug/l	93
36) 1,1-Dichloropropene	5.80	75	165616	45.968	ug/l	93
37) Ethyl Acetate	4.83	43	201810	53.835	ug/l #	91
38) Carbon Tetrachloride	5.78	117	182775	44.820	ug/l	99

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

39) Methylcyclohexane	7.46	83	223848	45.628	ug/l #	83
40) Benzene	6.14	78	545182	48.936	ug/l	97
41) Methacrylonitrile	5.04	41	107967	53.244	ug/l #	83
42) 1,2-Dichloroethane	6.19	62	187164	52.624	ug/l	95
43) Isopropyl Acetate	6.44	43	335348	53.504	ug/l #	88
44) Trichloroethene	7.21	130	157378	46.865	ug/l	89
45) 1,2-Dichloropropane	7.51	63	142423	51.077	ug/l	100
46) Dibromomethane	7.66	93	106703	51.078	ug/l	91
47) Bromodichloromethane	7.90	83	202304	51.826	ug/l	98
48) Methyl methacrylate	7.77	41	162042	55.281	ug/l #	79
49) 1,4-Dioxane	7.74	88	90207	1079.385	ug/l #	81
51) 4-Methyl-2-Pentanone	8.64	43	1051339	280.782	ug/l	90
52) Toluene	8.78	92	357109	48.764	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	237775	52.662	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	247580	51.148	ug/l #	89
55) 1,1,2-Trichloroethane	9.21	97	160362	53.468	ug/l	97
56) Ethyl methacrylate	9.18	69	261006	55.092	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	247818	52.484	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	584730	261.805	ug/l #	87
59) 2-Hexanone	9.49	43	823736	275.922	ug/l	88
60) Dibromochloromethane	9.58	129	187928	52.974	ug/l	99
61) 1,2-Dibromoethane	9.67	107	177300	53.078	ug/l	99
64) Tetrachloroethene	9.34	164	139161	44.938	ug/l	98
65) Chlorobenzene	10.13	112	416764	48.430	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	162496	49.102	ug/l	99
67) Ethyl Benzene	10.25	91	684019	46.692	ug/l	93
68) m/p-Xylenes	10.36	106	530202	93.528	ug/l	92
69) o-Xylene	10.69	106	269194	47.770	ug/l	90
70) Styrene	10.71	104	468949	49.135	ug/l	96
71) Bromoform	10.85	173	156035	51.288	ug/l #	98
73) Isopropylbenzene	11.02	105	685155	46.258	ug/l	95
74) N-amyl acetate	10.90	43	299934	51.227	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	251896	49.682	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	217222m	51.183	ug/l	
77) Bromobenzene	11.26	156	197028	48.373	ug/l	84
78) n-propylbenzene	11.36	91	776785	47.108	ug/l	95
79) 2-Chlorotoluene	11.42	91	468579	47.314	ug/l	92
80) 1,3,5-Trimethylbenzene	11.51	105	580130	46.502	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	99191	51.639	ug/l #	84
82) 4-Chlorotoluene	11.51	91	543213	48.285	ug/l	93
83) tert-Butylbenzene	11.77	119	586466	46.446	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	594131	47.149	ug/l	96
85) sec-Butylbenzene	11.94	105	668915	45.471	ug/l	96
86) p-Isopropyltoluene	12.06	119	626172	46.561	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	341150	47.551	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	341663	47.241	ug/l	98
89) n-Butylbenzene	12.38	91	539743	46.625	ug/l	97
90) Hexachloroethane	12.59	117	123741	46.190	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	338523	48.535	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	59560	49.920	ug/l	71

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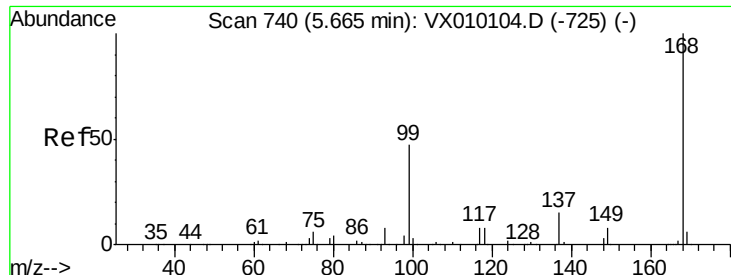
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	245543	48.093	ug/l	99
94) Hexachlorobutadiene	13.78	225	103021	45.372	ug/l	99
95) Naphthalene	13.83	128	809755	50.383	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	245622	48.656	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 285954

Ion Ratio Lower Upper

168 100

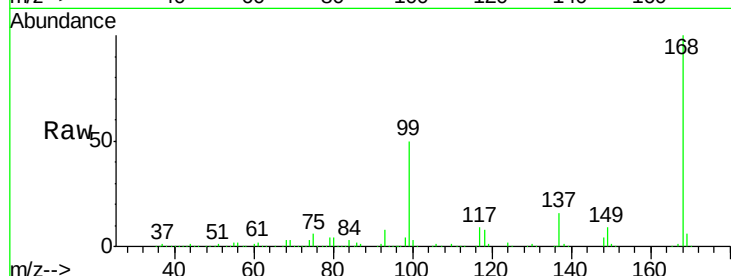
99 49.7 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

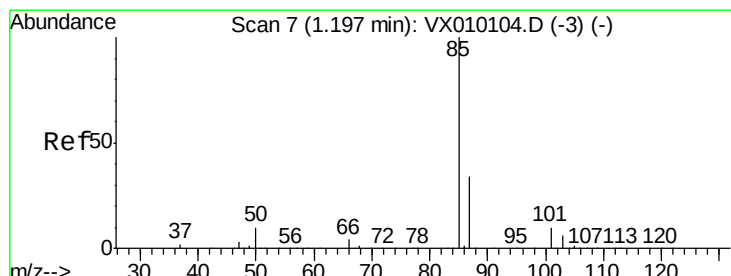
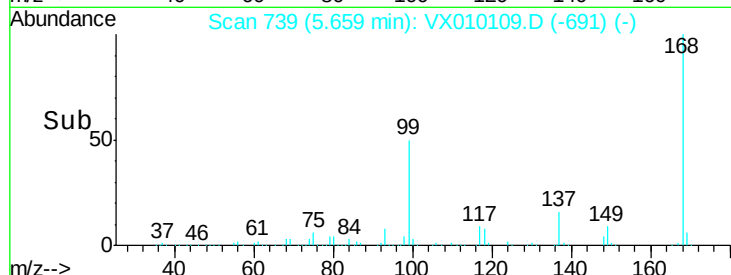
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.227 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010109.D

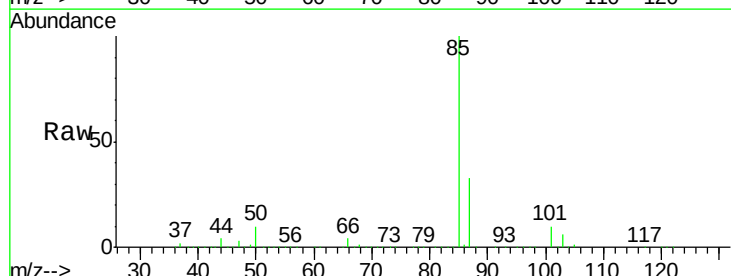
Acq: 07 Jun 2019 15:24

Tgt Ion: 85 Resp: 132156

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

100000

50000

0

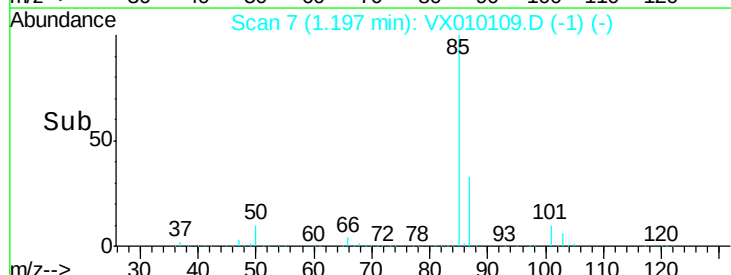
1.15

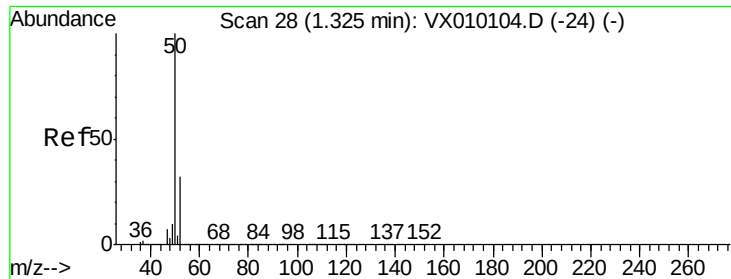
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 49.384 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 129043

Ion Ratio Lower Upper

50 100

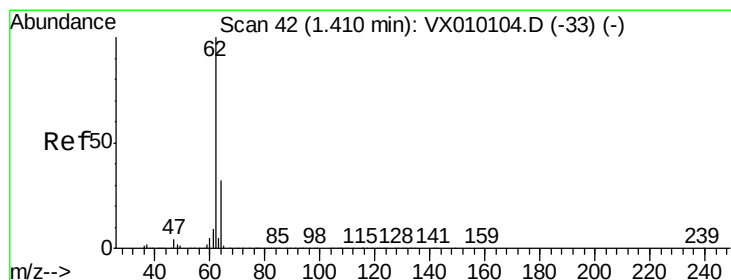
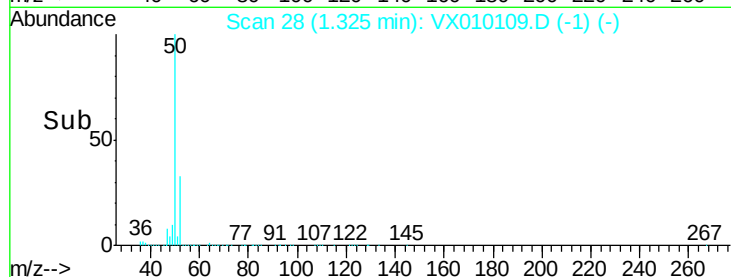
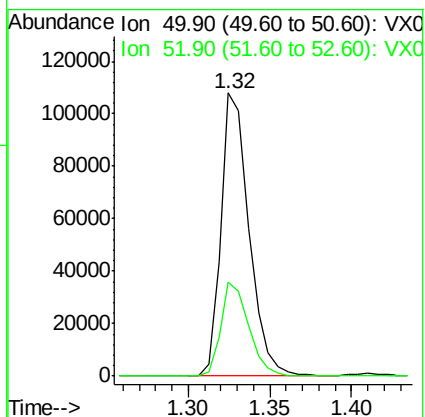
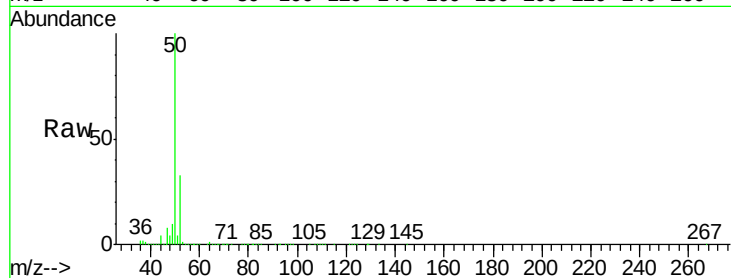
52 33.1 26.0 39.0

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#4

Vinyl Chloride

Concen: 46.318 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010109.D

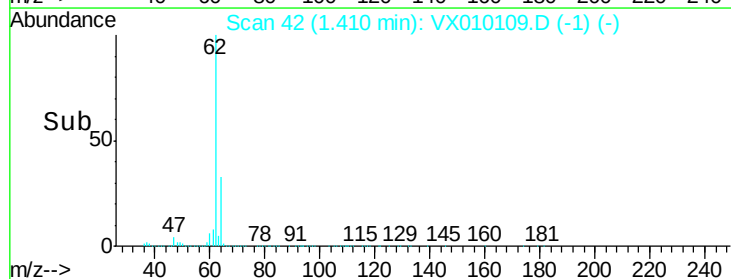
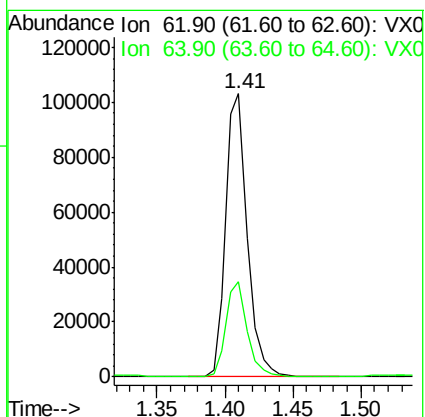
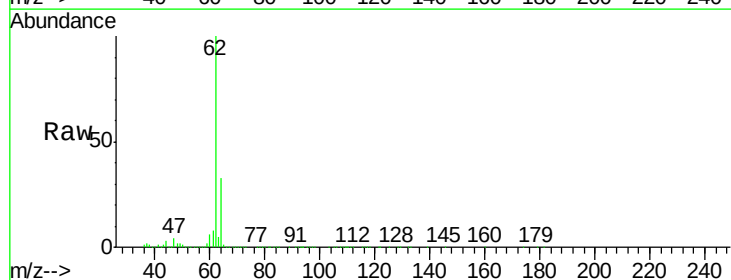
Acq: 07 Jun 2019 15:24

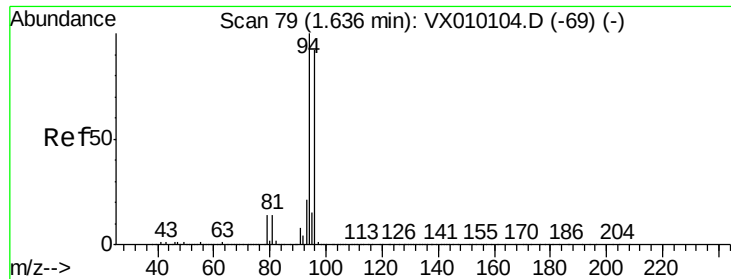
Tgt Ion: 62 Resp: 113752

Ion Ratio Lower Upper

62 100

64 33.2 25.7 38.5





#5

Bromomethane

Concen: 52.064 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48251

Ion Ratio Lower Upper

94 100

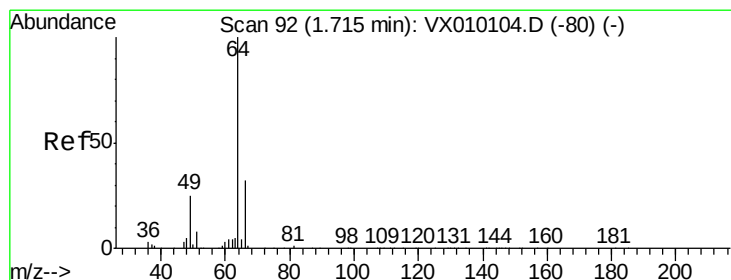
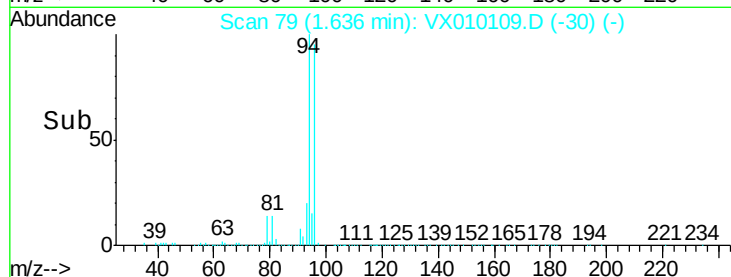
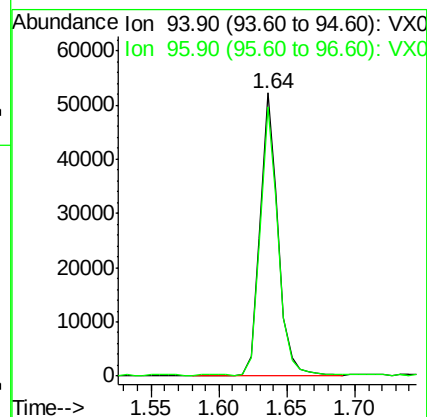
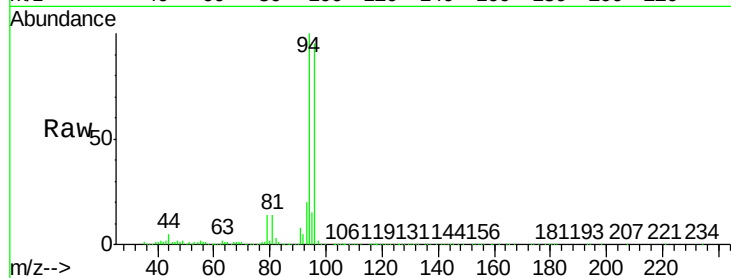
96 95.0 76.2 114.4

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#6

Chloroethane

Concen: 53.183 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010109.D

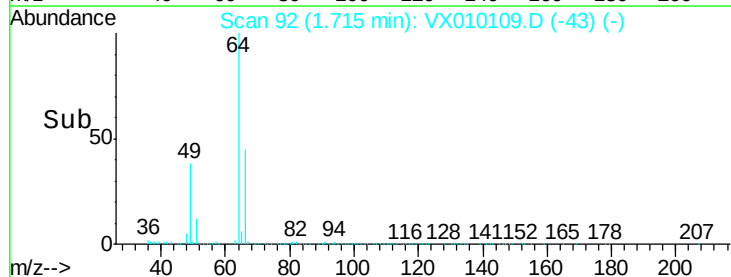
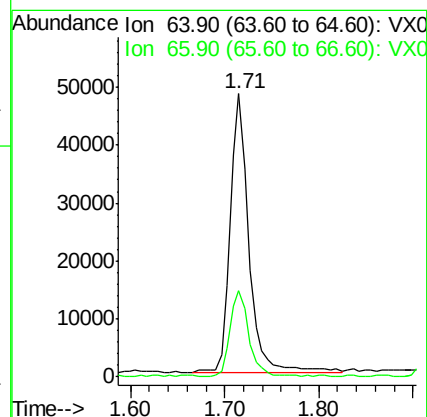
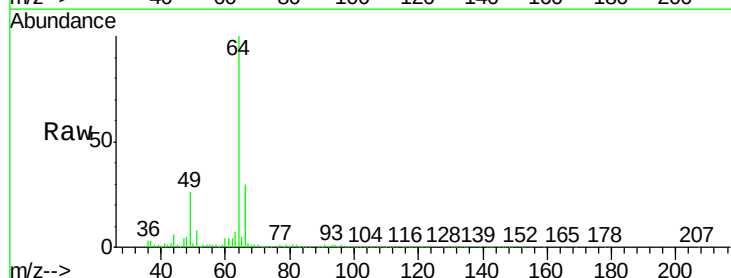
Acq: 07 Jun 2019 15:24

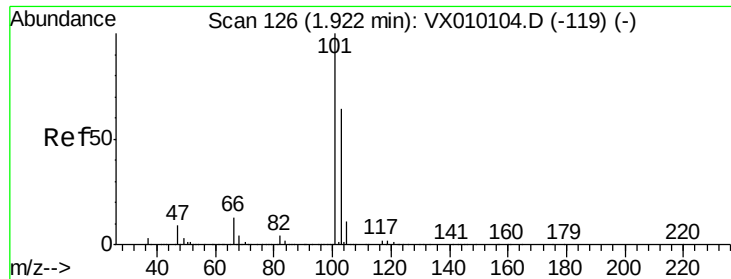
Tgt Ion: 64 Resp: 65852

Ion Ratio Lower Upper

64 100

66 30.4 25.1 37.7





#7

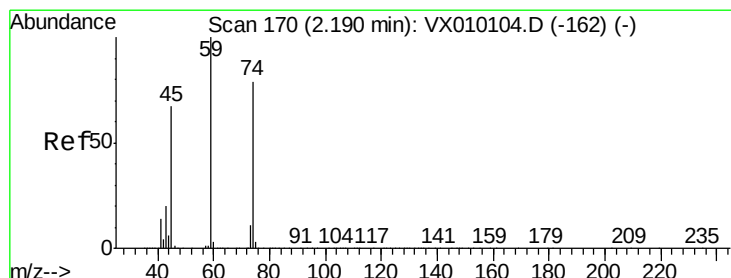
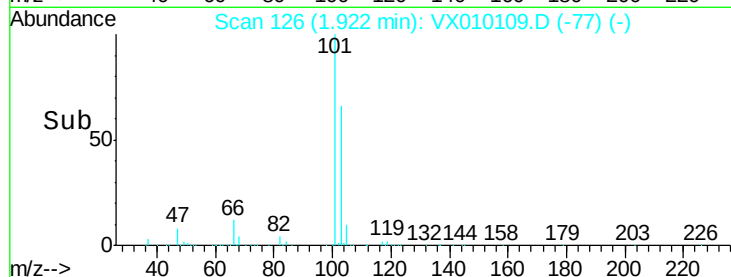
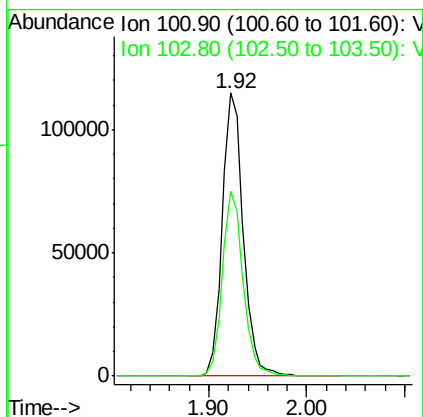
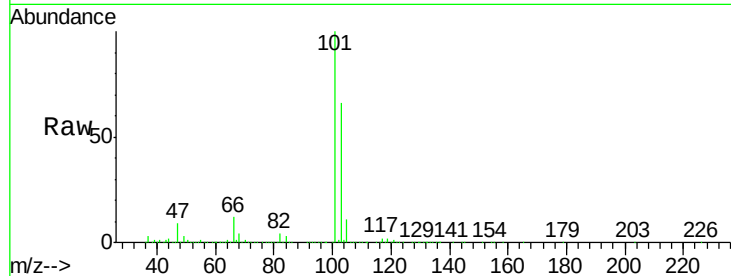
Trichlorofluoromethane
Concen: 46.842 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.4

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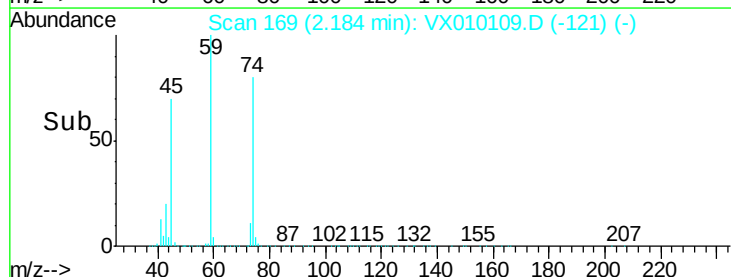
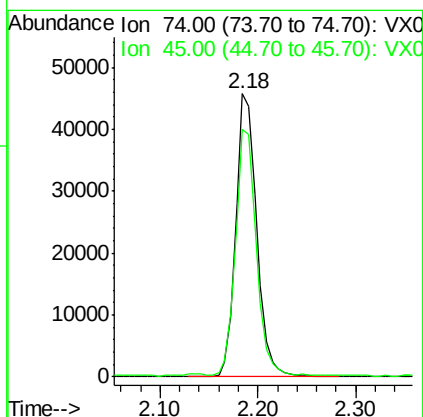
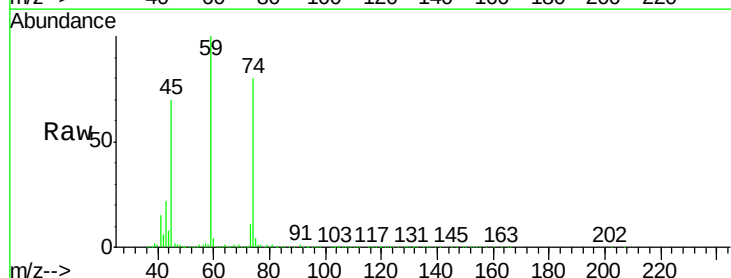
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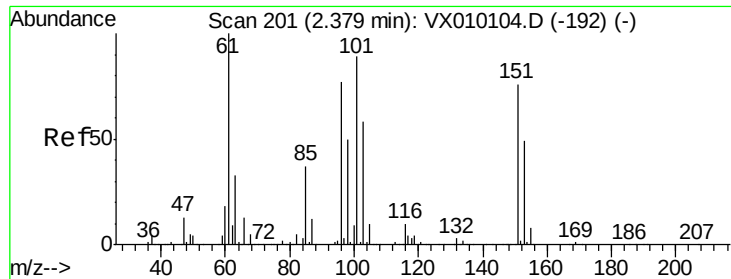


#8

Diethyl Ether
Concen: 53.819 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.2	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.860 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

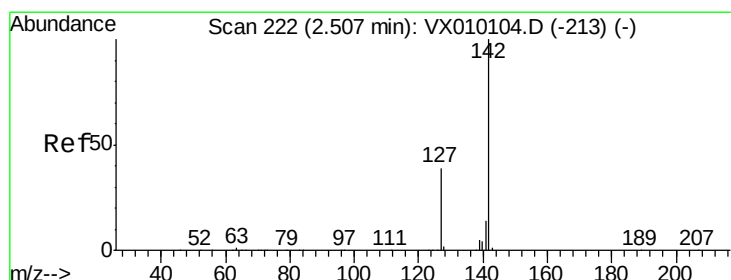
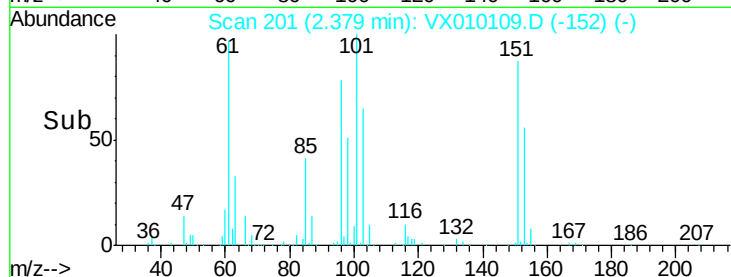
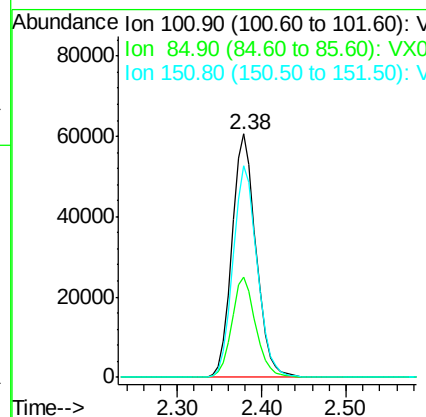
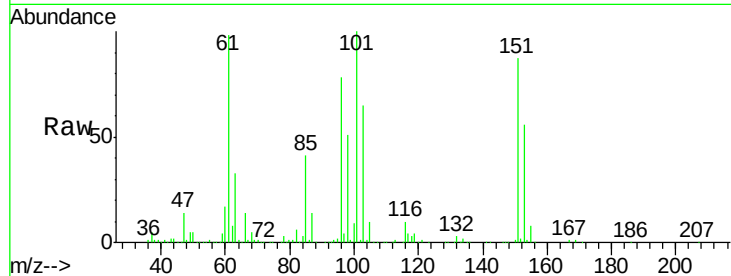
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	117839
Ion Ratio	Lower	Upper	
101	100		
85	40.7	35.2	52.8
151	87.4	61.9	92.9

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#10

Methyl Iodide

Concen: 51.247 ug/l

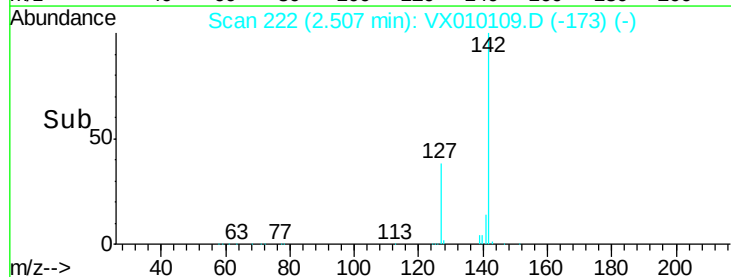
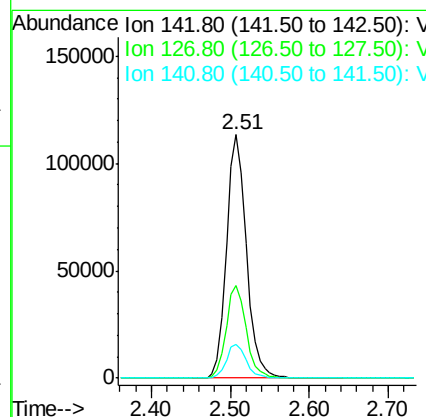
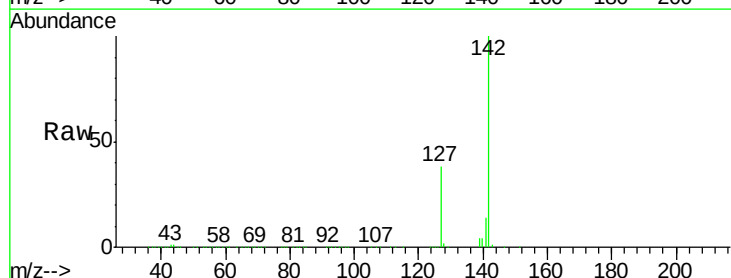
RT: 2.51 min Scan# 222

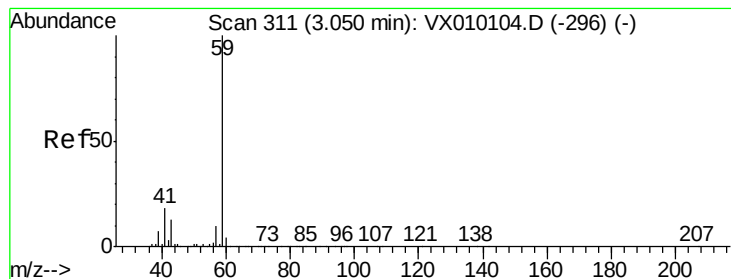
Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion:	142	Resp:	199670
Ion Ratio	Lower	Upper	
142	100		
127	38.2	33.0	49.4
141	13.9	11.4	17.0





#11

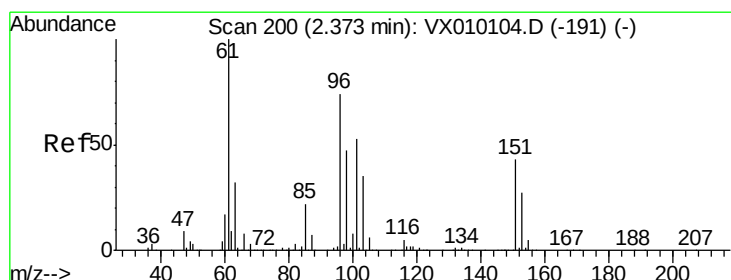
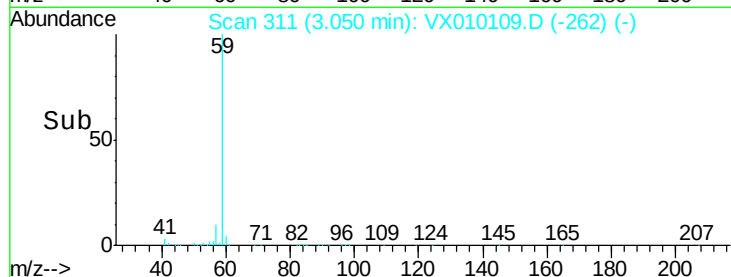
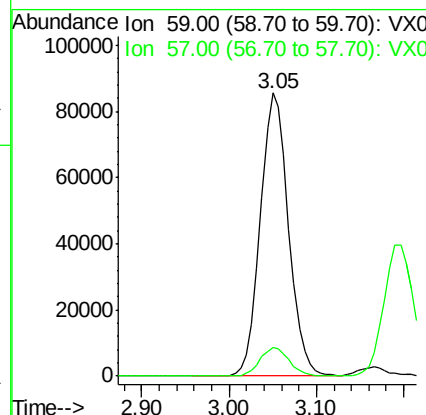
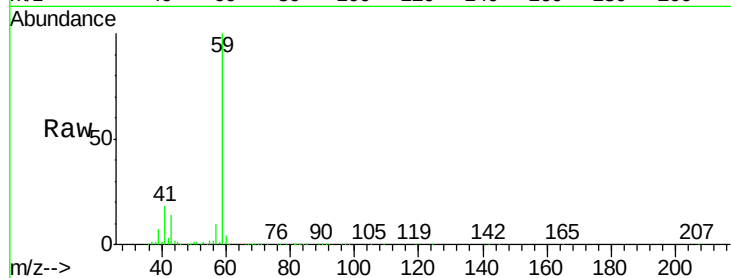
Tert butyl alcohol
Concen: 280.269 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	191641		
57	10.3		8.2	12.2

Manual Integrations
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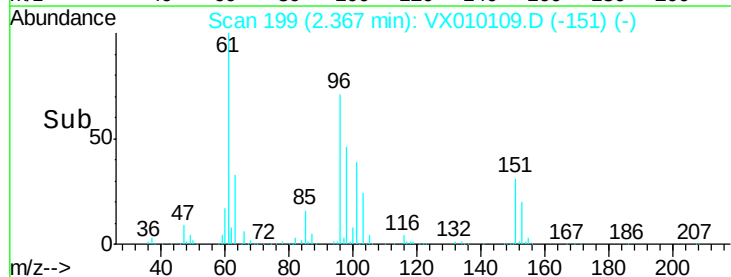
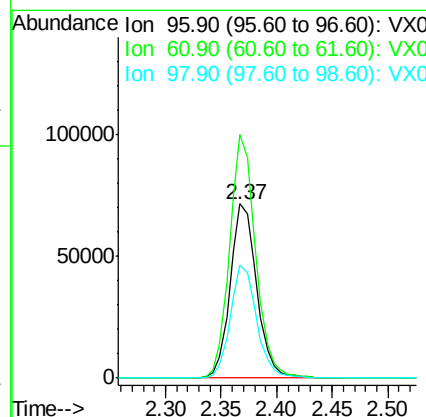
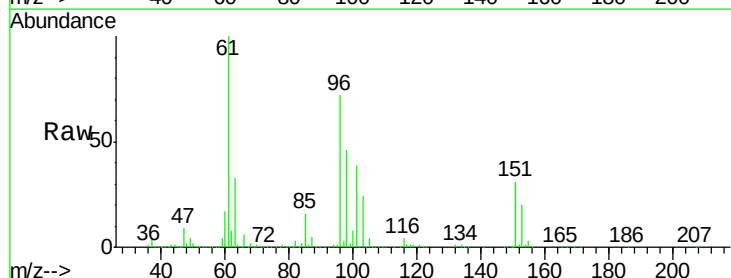
MMDadoda
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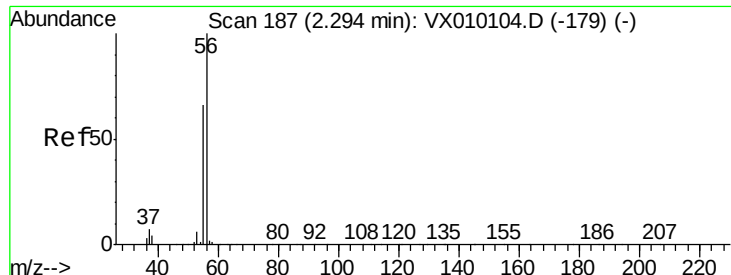


#12

1,1-Dichloroethene
Concen: 45.474 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	116799		
61	139.9		140.7	211.1#
98	64.6		50.1	75.1





#13

Acrolein

Concen: 281.970 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 35156

Ion Ratio Lower Upper

56 100

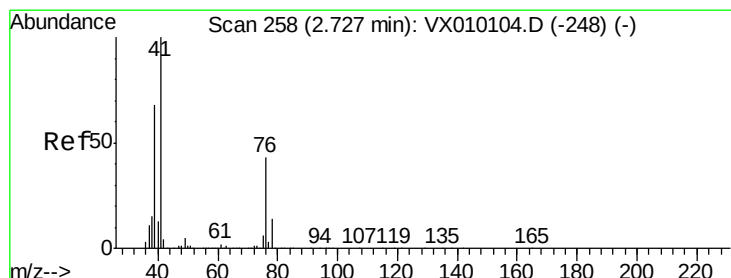
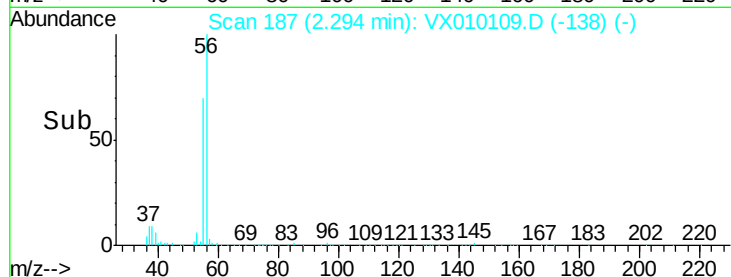
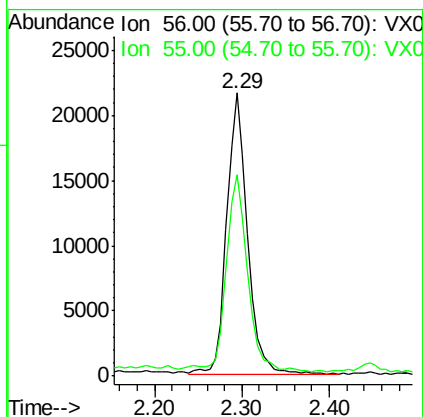
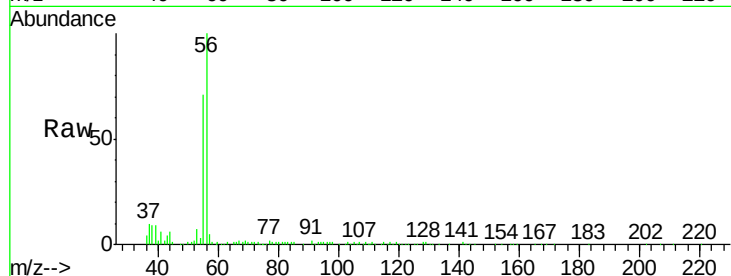
55 71.6 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 49.532 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

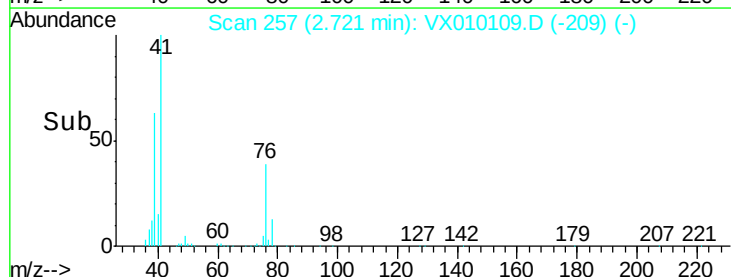
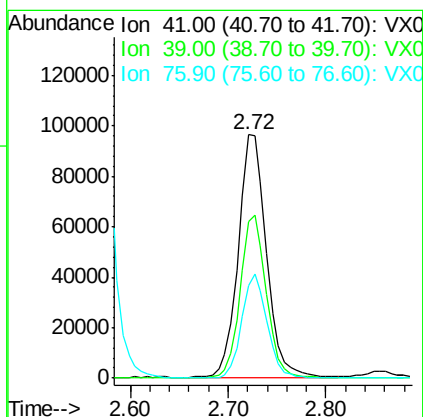
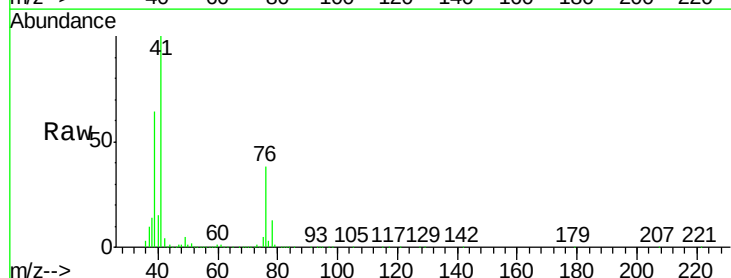
Tgt Ion: 41 Resp: 192038

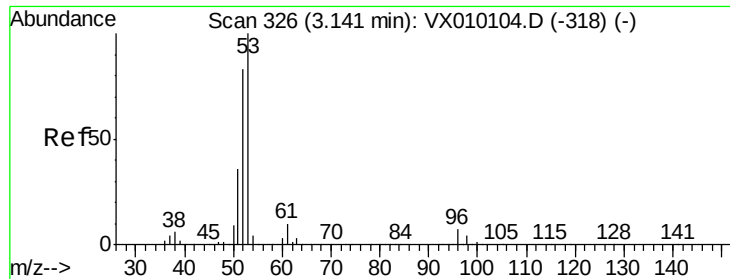
Ion Ratio Lower Upper

41 100

39 61.5 46.7 70.1

76 38.7 21.0 31.4#





#15

Acrylonitrile

Concen: 277.267 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

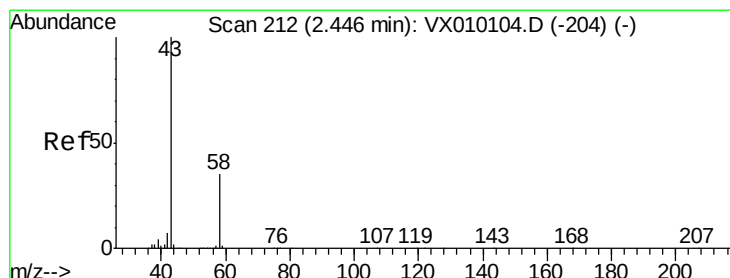
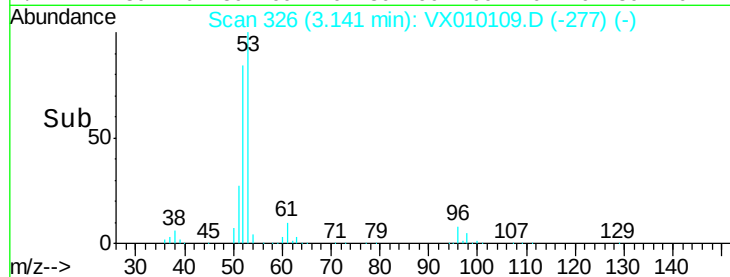
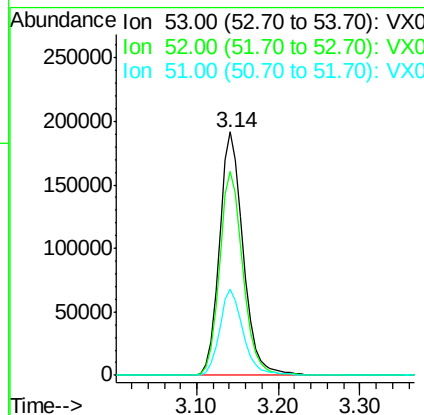
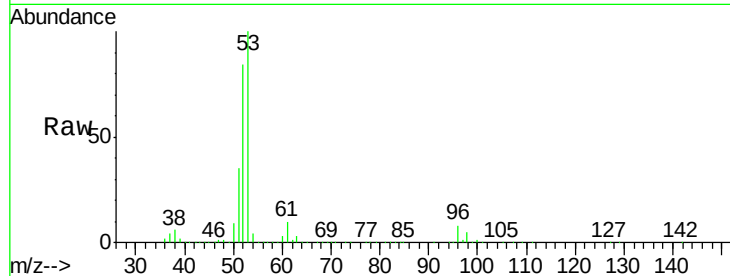
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	387515
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.7	100.1
51	35.2	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 260.089 ug/l

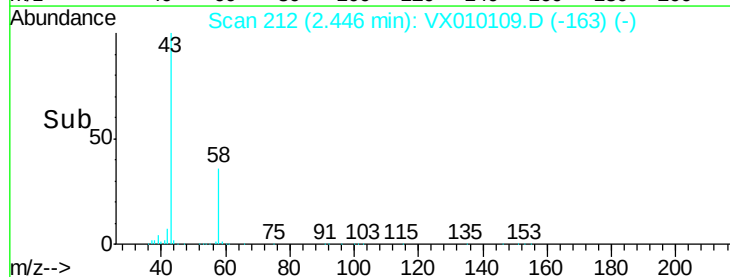
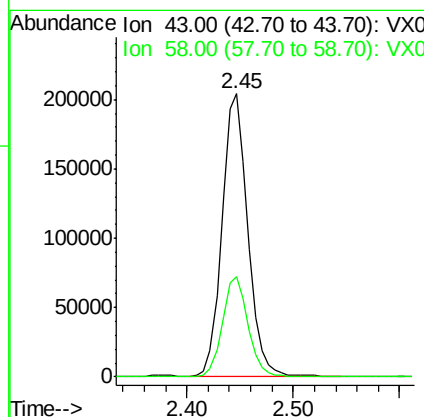
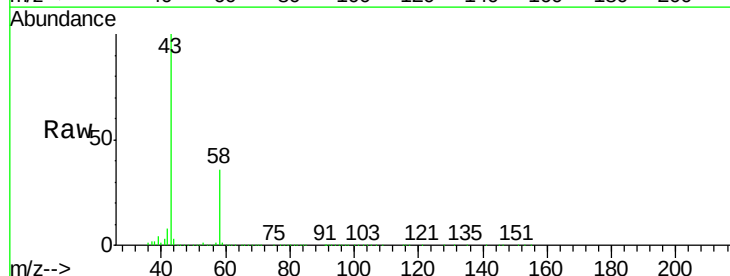
RT: 2.45 min Scan# 212

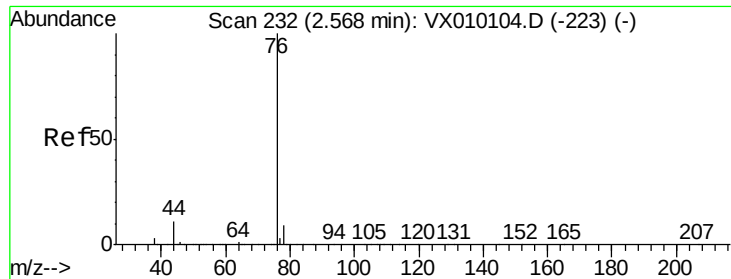
Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion:	43	Resp:	341453
Ion Ratio	Lower	Upper	
43	100		
58	35.6	23.2	34.8#





#17

Carbon Disulfide

Concen: 45.335 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 336455

Ion Ratio Lower Upper

76 100

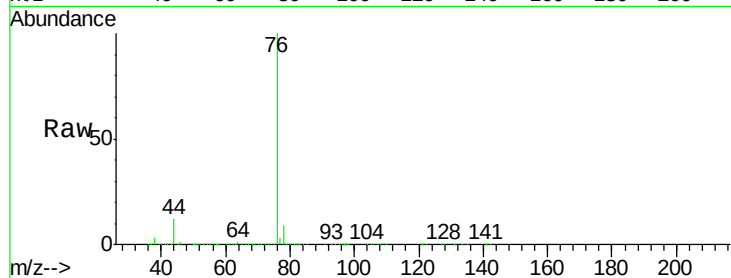
78 9.0 7.0 10.6

Manual Integrations

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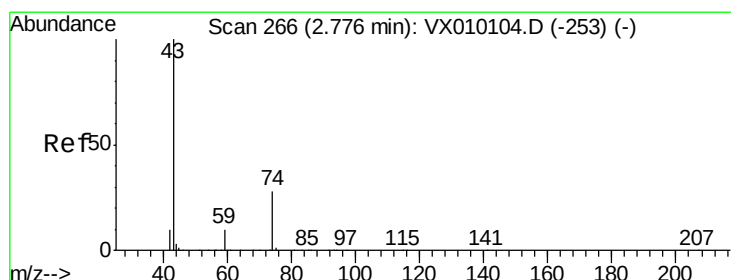
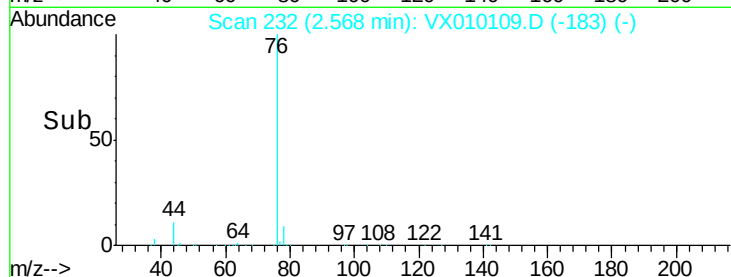
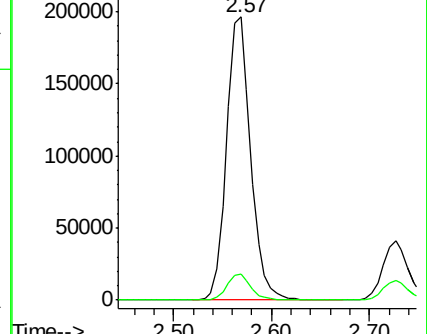
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 53.724 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010109.D

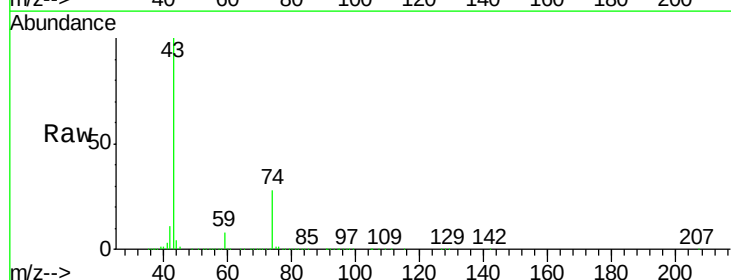
Acq: 07 Jun 2019 15:24

Tgt Ion: 43 Resp: 155112

Ion Ratio Lower Upper

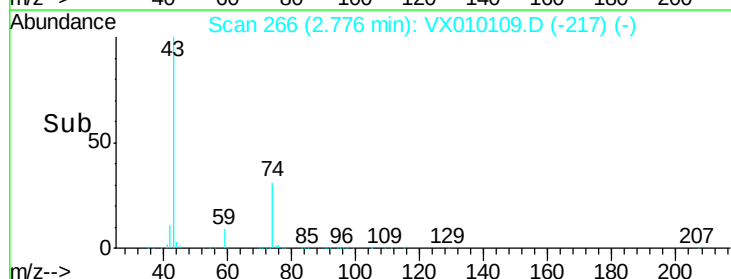
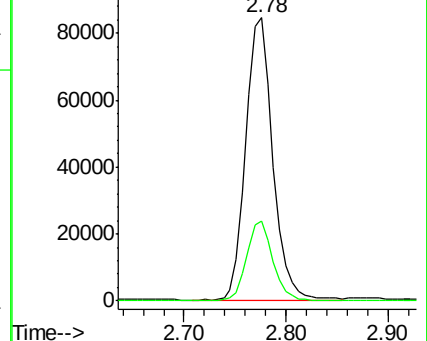
43 100

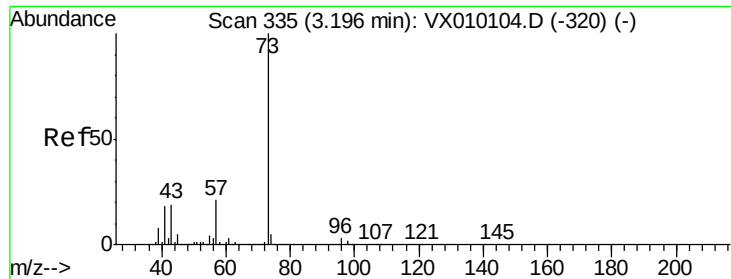
74 27.9 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





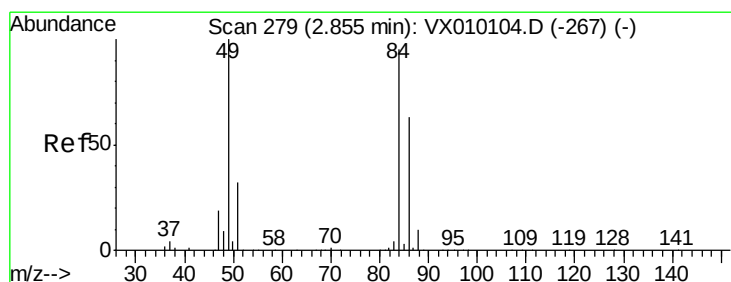
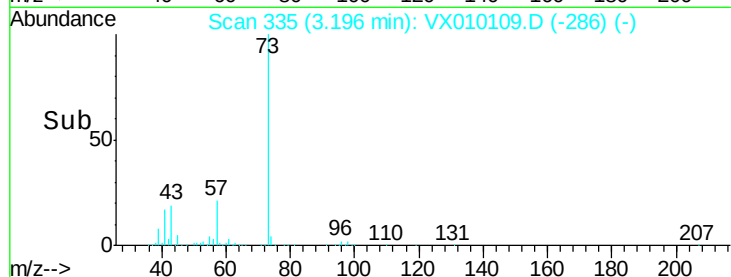
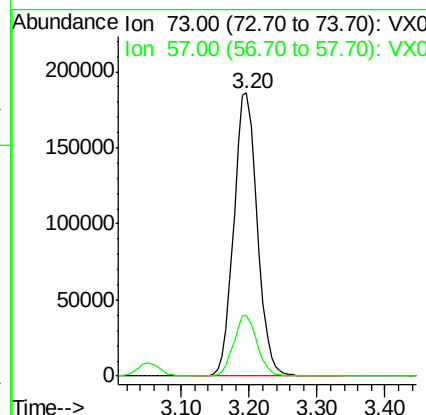
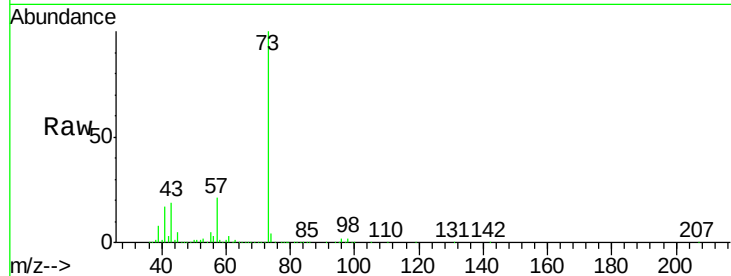
#19
Methyl tert-butyl Ether
Concen: 53.772 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	19.4	29.2

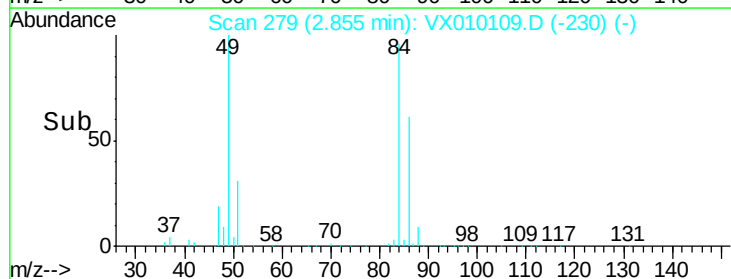
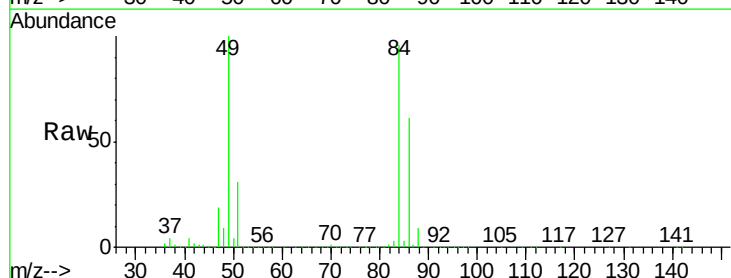
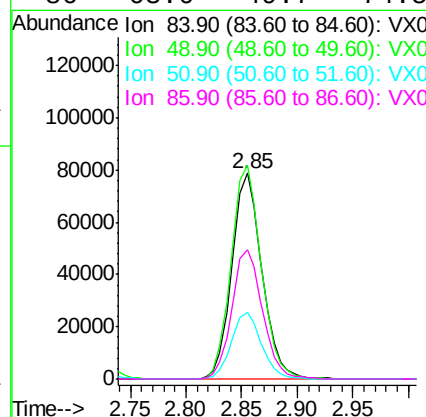
Manual Integrations
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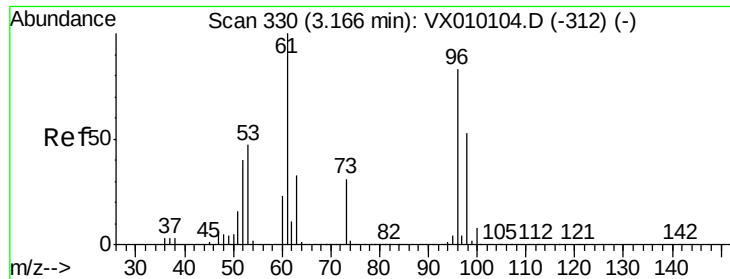
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#20
Methylene Chloride
Concen: 51.091 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.9	115.8	173.6#
51	32.3	34.4	51.6#
86	63.0	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 46.016 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 130798

Ion Ratio Lower Upper

96 100

61 120.7 125.7 188.5#

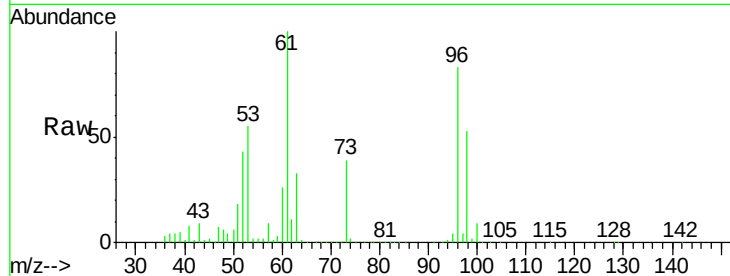
98 64.4 49.0 73.6

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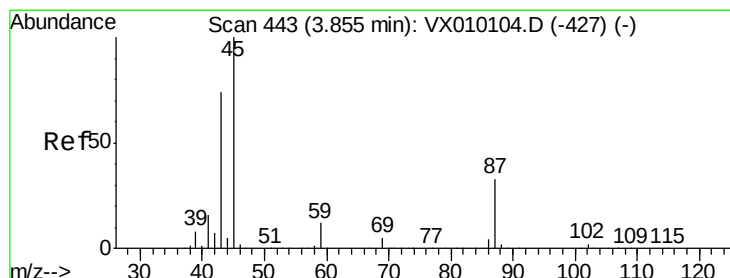
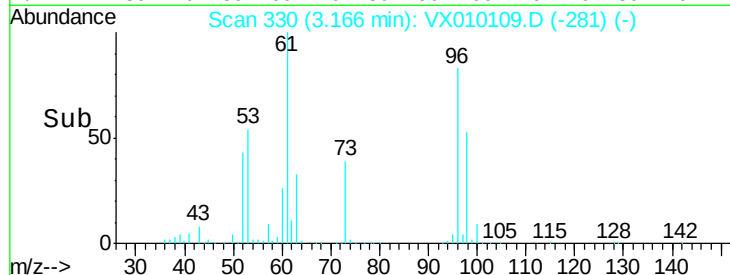
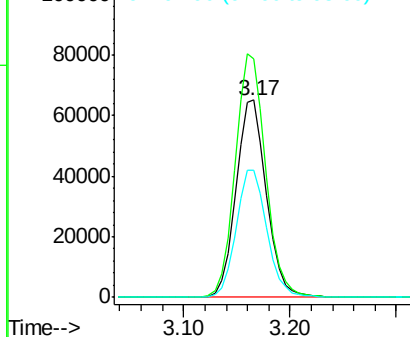


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 53.871 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion: 45 Resp: 399328

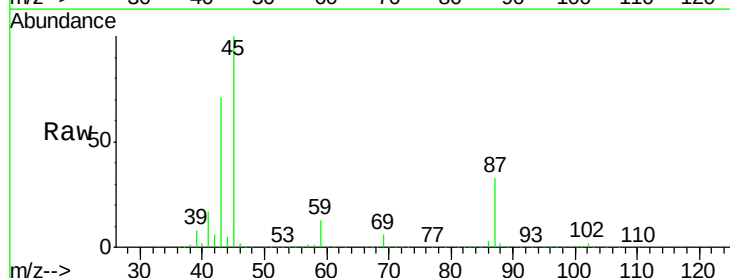
Ion Ratio Lower Upper

45 100

43 70.4 65.0 97.4

87 33.0 17.3 25.9#

59 12.5 8.1 12.1#



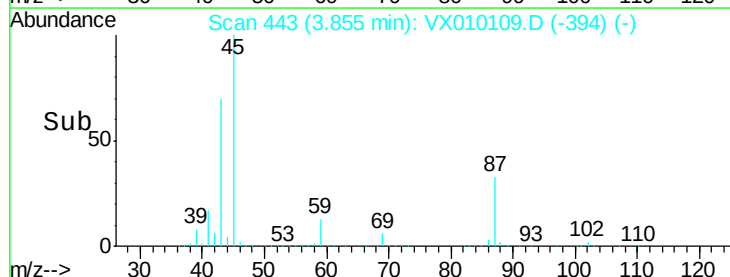
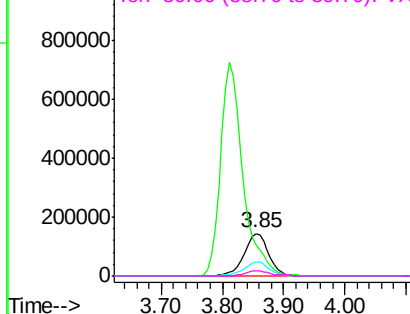
Abundance

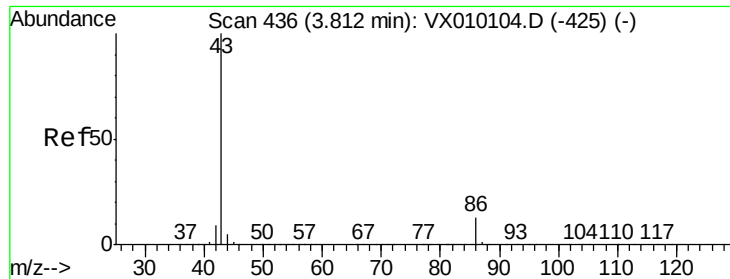
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 279.461 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1848055

Ion Ratio Lower Upper

43 100

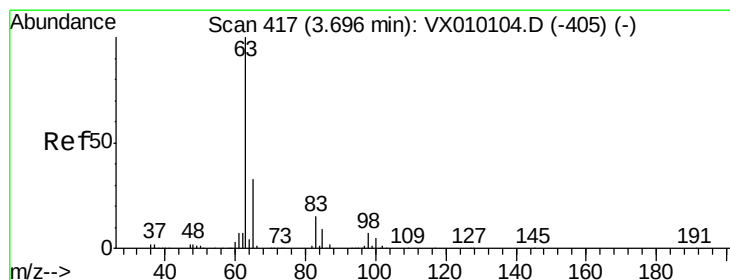
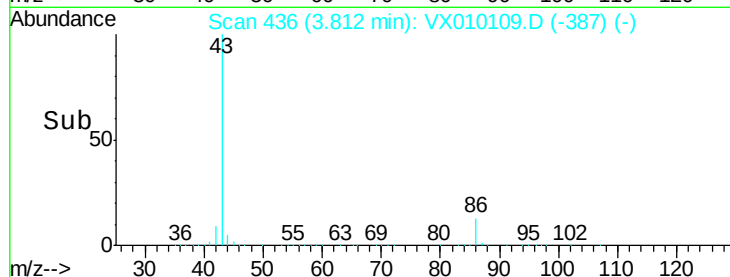
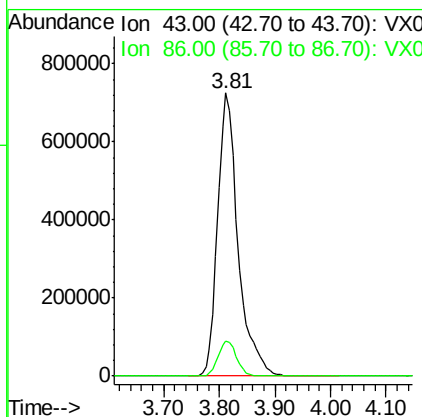
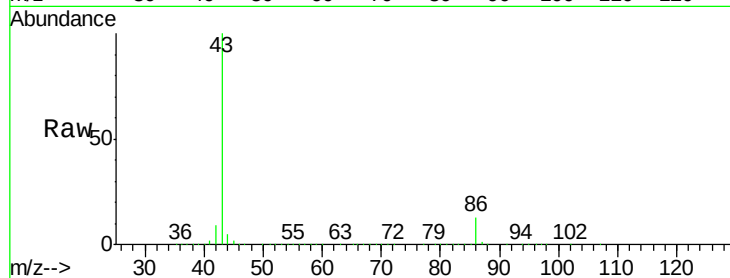
86 12.5 6.5 9.7#

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#24

1,1-Dichloroethane

Concen: 49.280 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

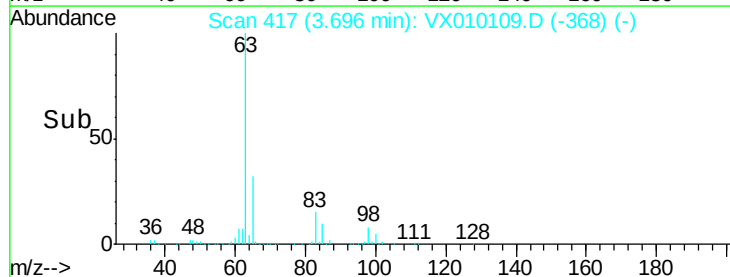
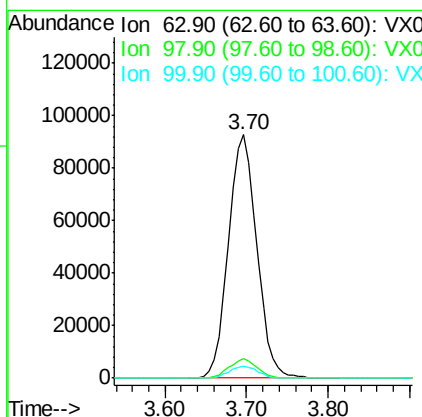
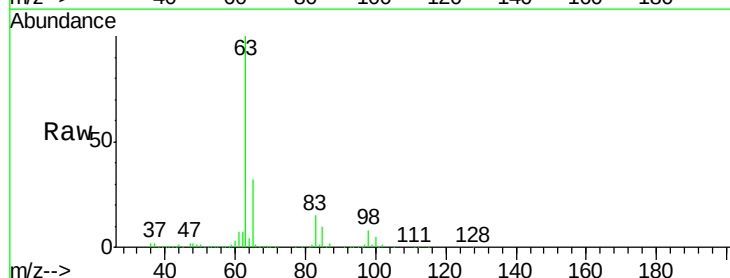
Tgt Ion: 63 Resp: 221794

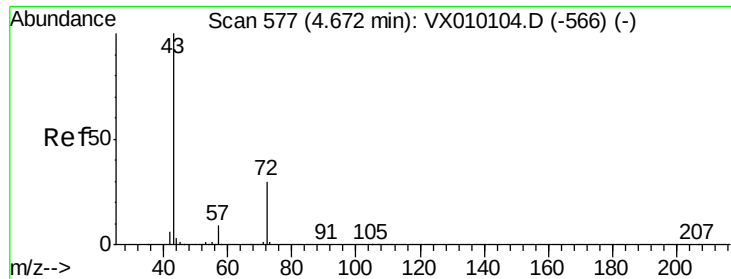
Ion Ratio Lower Upper

63 100

98 7.8 2.9 8.8

100 5.0 1.8 5.4





#25

2-Butanone

Concen: 280.022 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 547423

Ion Ratio Lower Upper

43 100

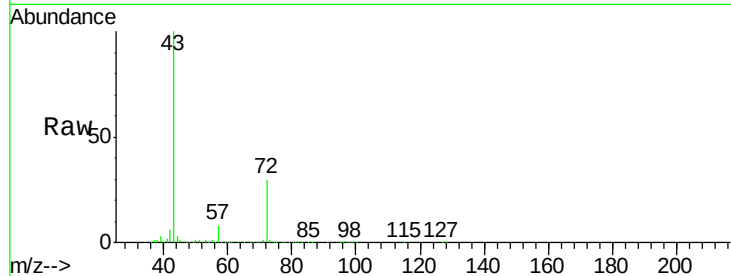
72 29.7 17.5 26.3#

Manual Integrations

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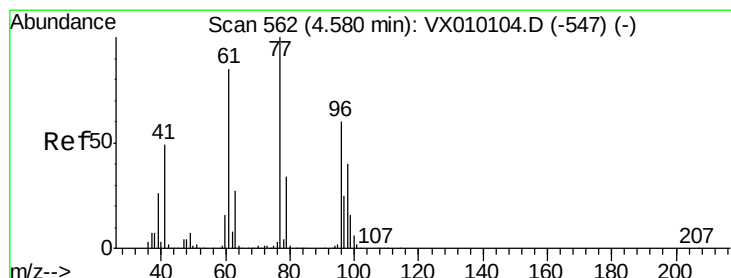
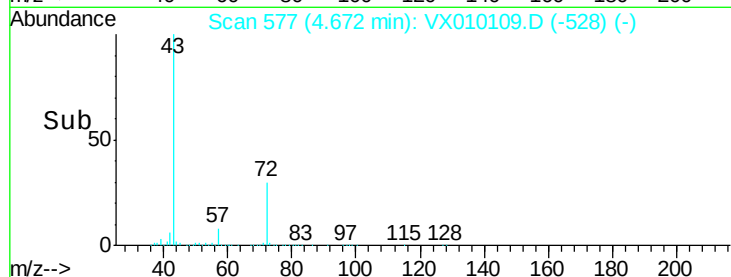
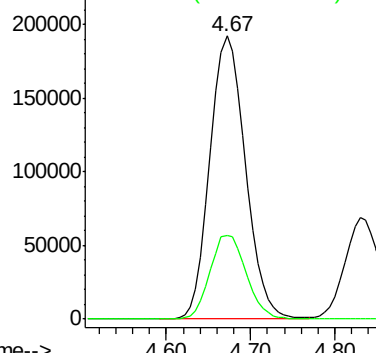
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 44.595 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010109.D

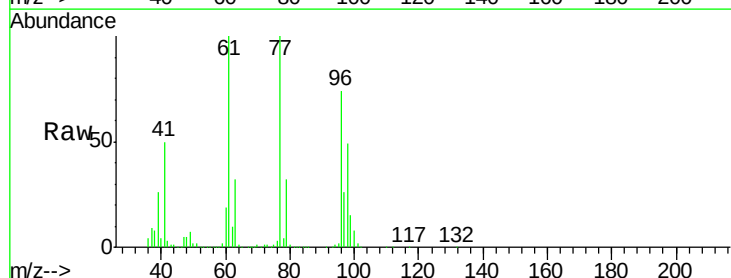
Acq: 07 Jun 2019 15:24

Tgt Ion: 77 Resp: 183103

Ion Ratio Lower Upper

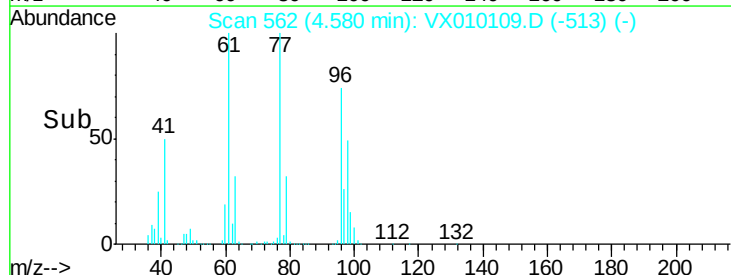
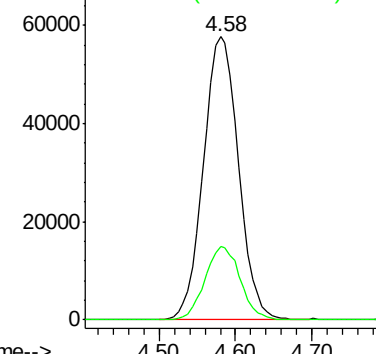
77 100

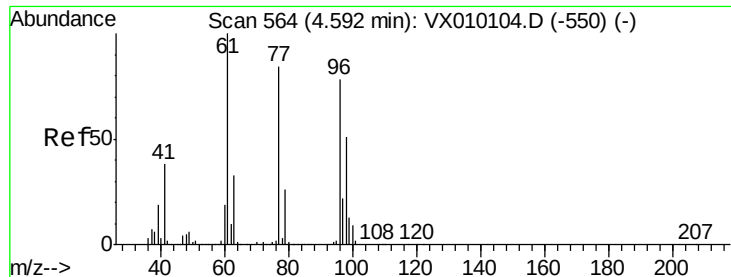
97 26.4 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

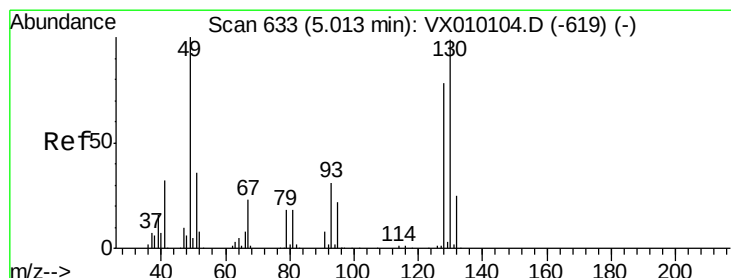
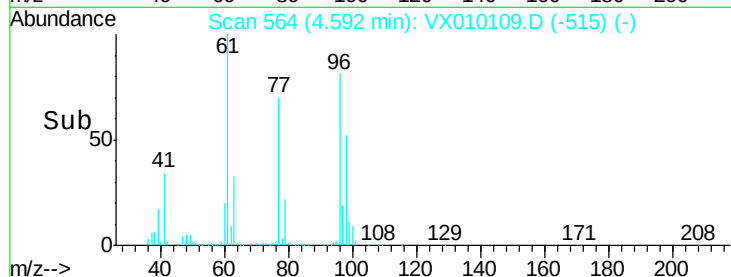
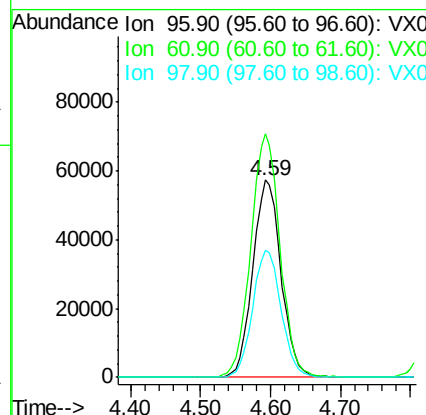
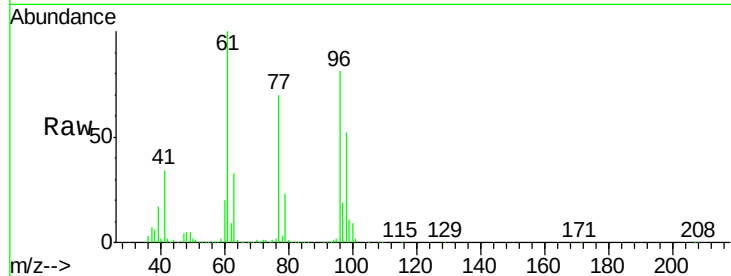
cis-1,2-Dichloroethene
 Concen: 51.073 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.2	0.0	334.0
98	64.1	0.0	131.6

Manual Integrations
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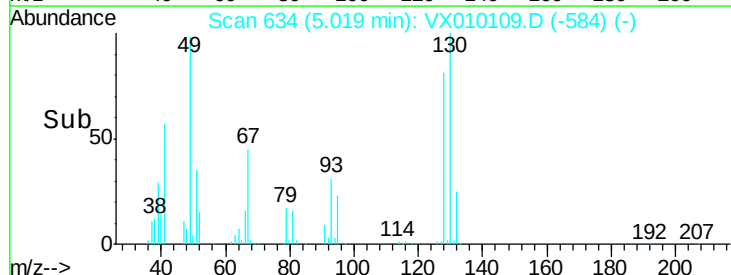
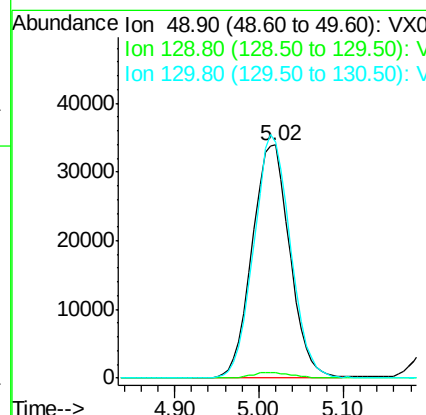
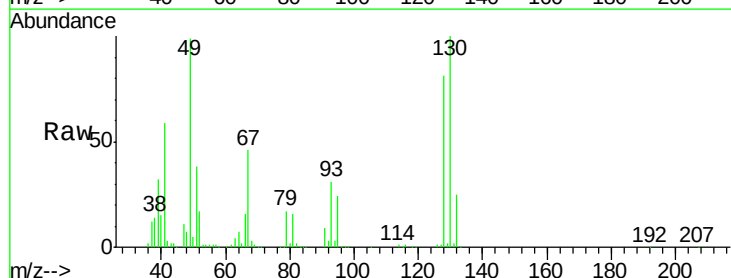
MMDadoda
 6/10/2019 10:52:44 AM

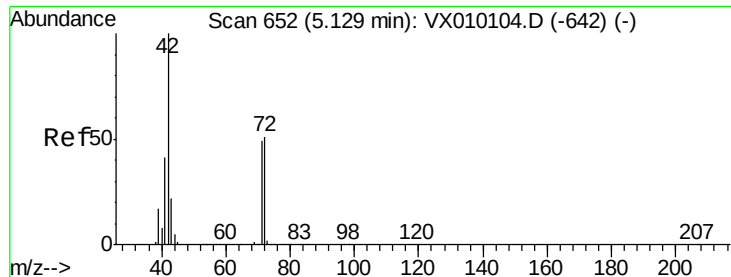


#28

Bromochloromethane
 Concen: 51.405 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	3.4
130	101.4	49.4	74.2#





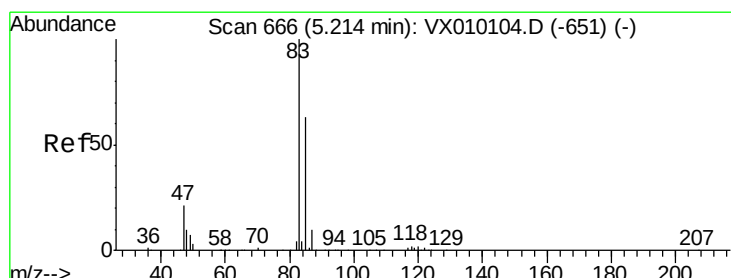
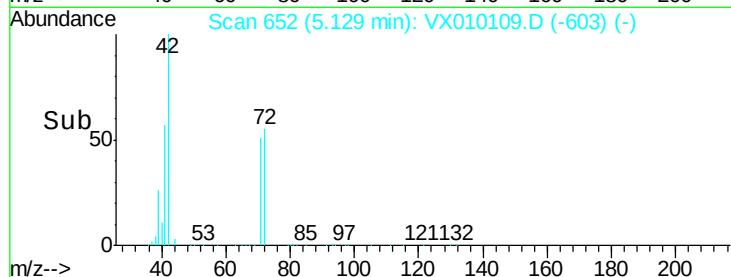
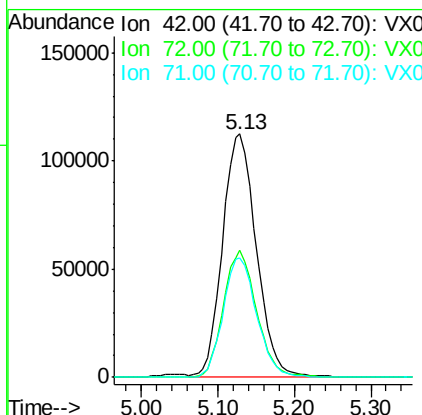
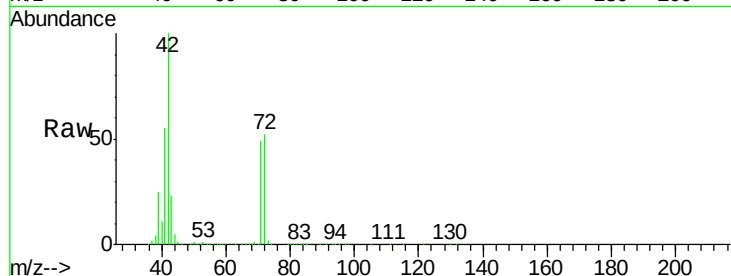
#29
Tetrahydrofuran
Concen: 277.797 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.1	29.2	43.8#
71	49.0	27.6	41.4#

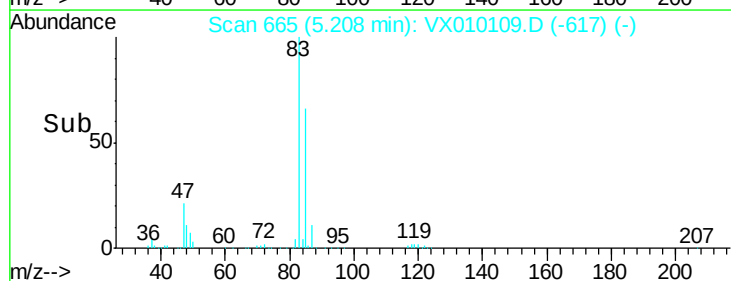
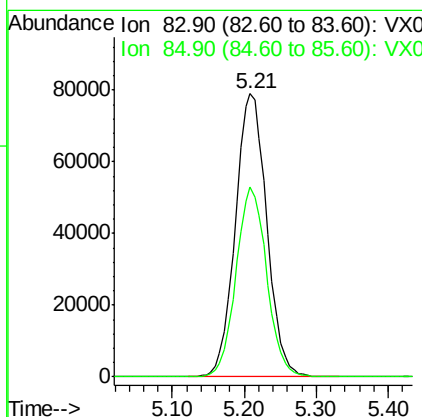
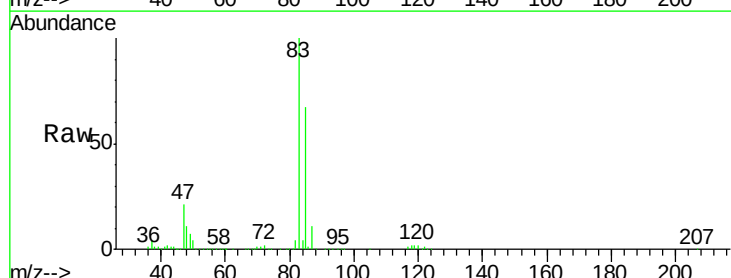
Manual Integrations
APPROVED

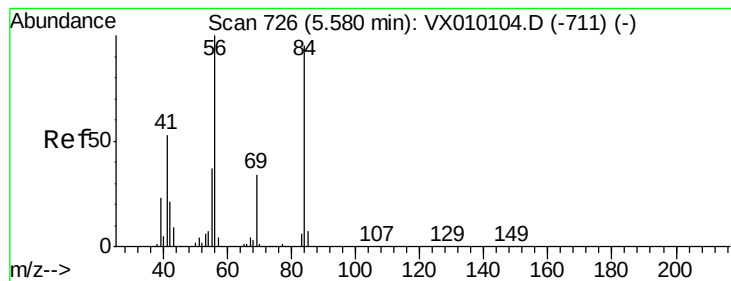
MMDadoda
6/10/2019 10:52:44 AM



#30
Chloroform
Concen: 50.962 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.6	78.8





#31

Cyclohexane

Concen: 47.401 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

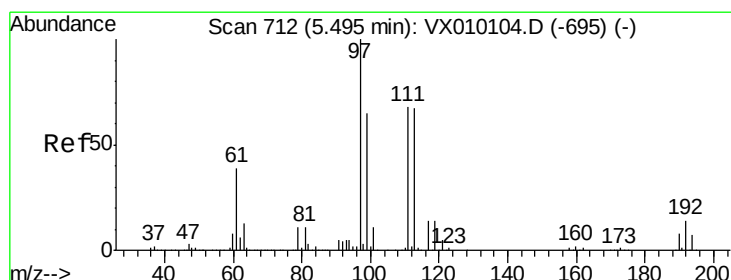
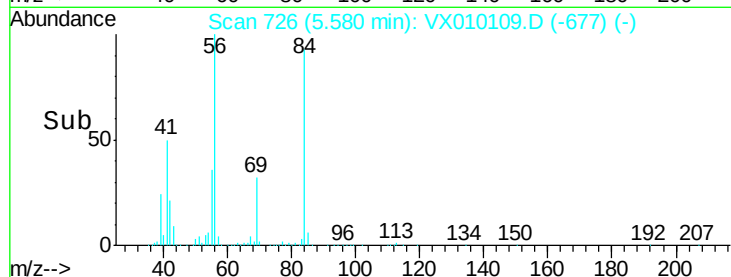
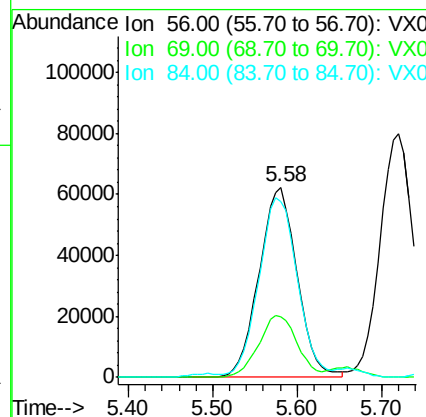
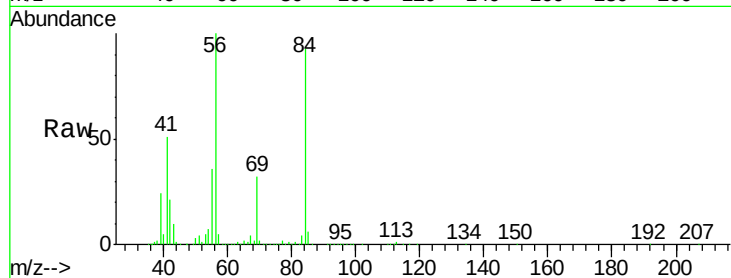
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	192538
Ion Ratio		Lower	Upper
56	100		
69	32.0	21.6	32.4
84	91.5	56.8	85.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.228 ug/l

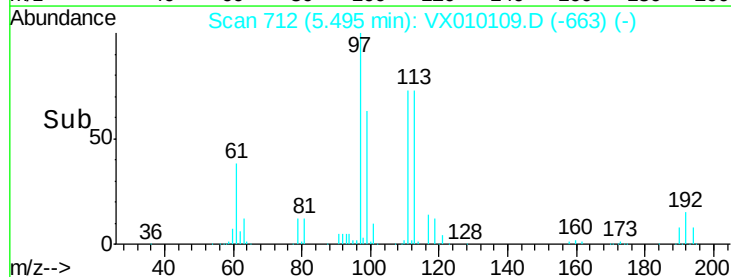
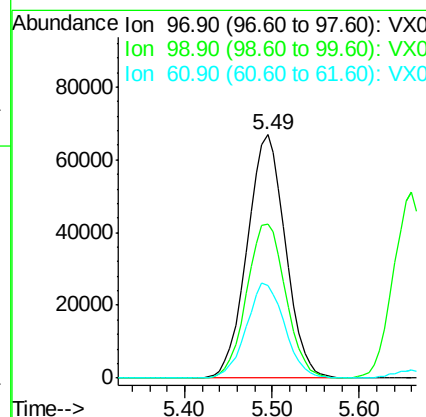
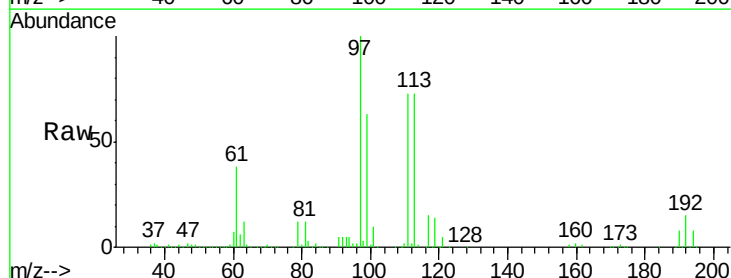
RT: 5.49 min Scan# 712

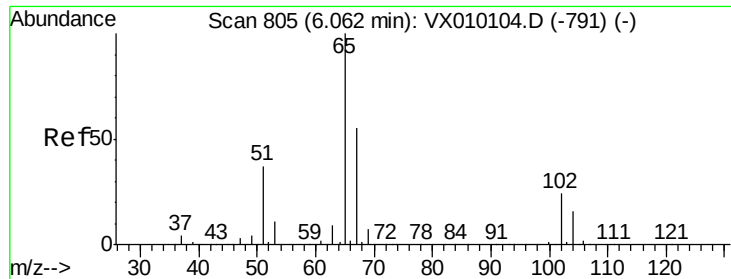
Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion:	97	Resp:	203135
Ion Ratio		Lower	Upper
97	100		
99	64.8	51.0	76.4
61	39.3	38.7	58.1





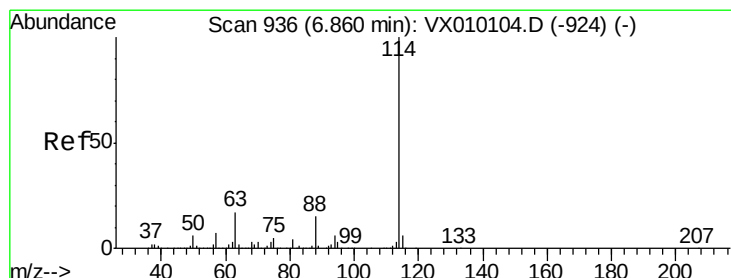
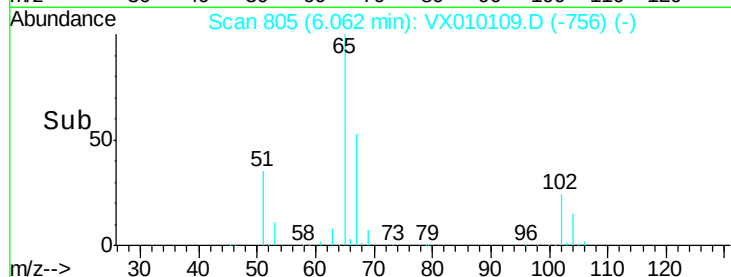
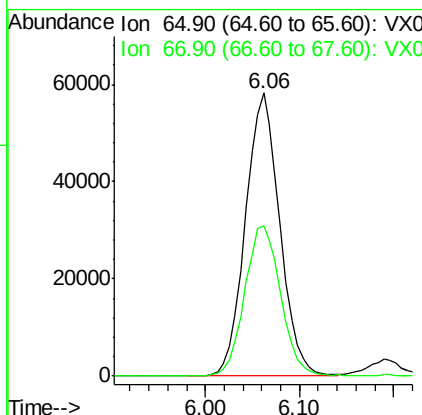
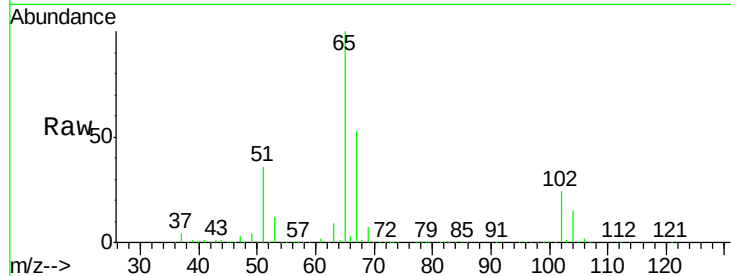
#33
 1,2-Dichloroethane-d4
 Concen: 53.090 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	108.4

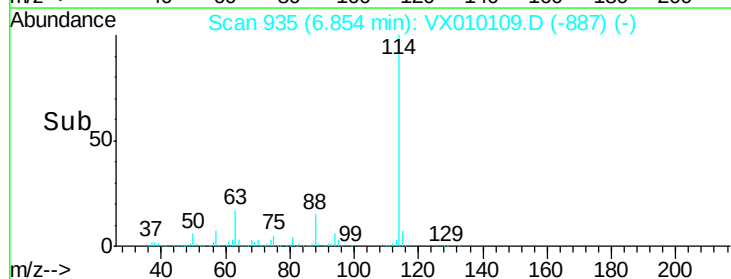
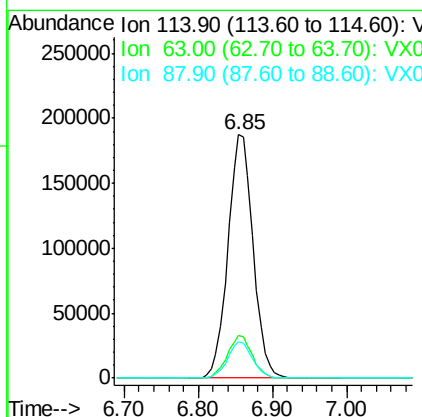
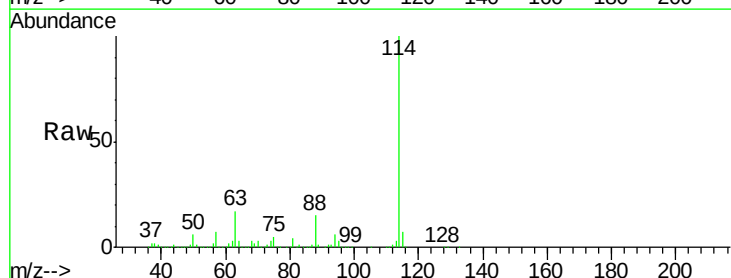
Manual Integrations
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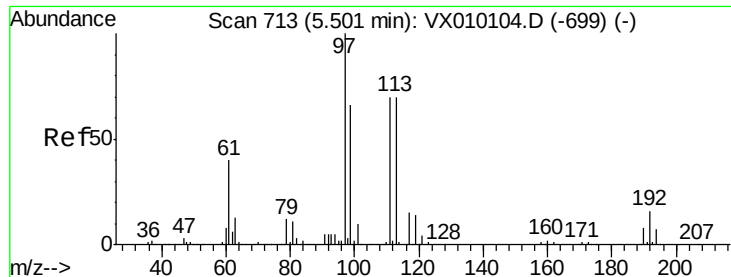
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	47.4
88	14.7	0.0	33.0





#35

Dibromofluoromethane

Concen: 51.263 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

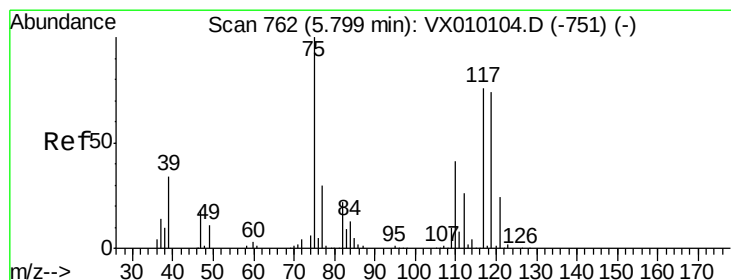
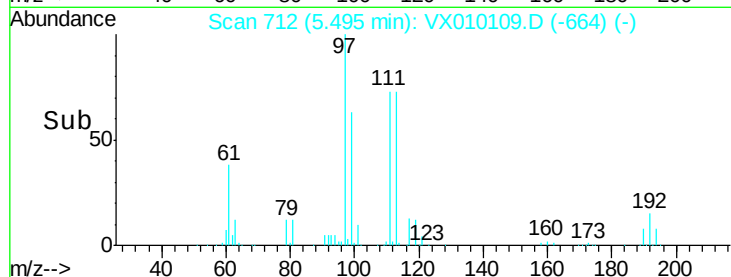
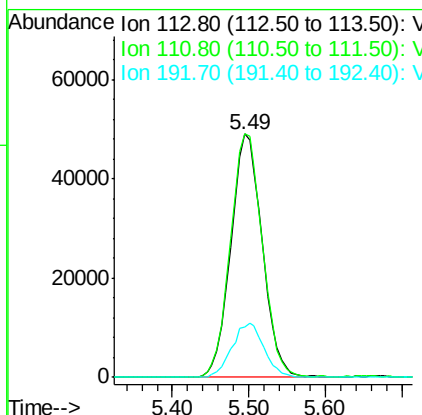
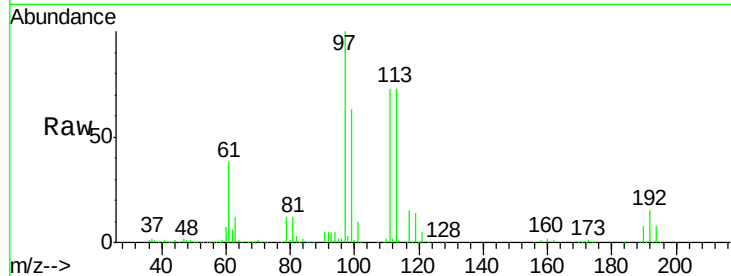
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	139636
Ion Ratio	Lower	Upper	
113	100		
111	101.8	82.2	123.2
192	22.5	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.968 ug/l

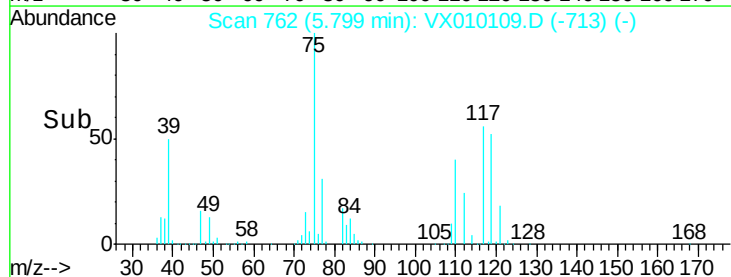
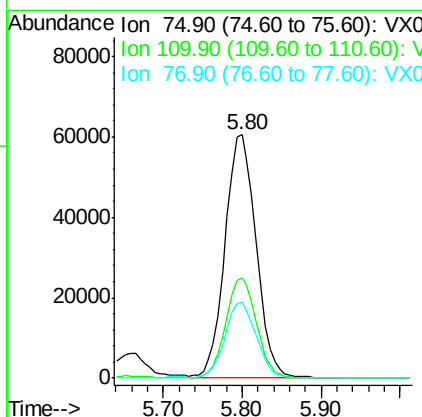
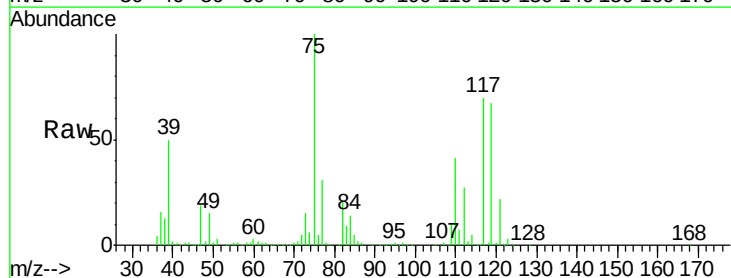
RT: 5.80 min Scan# 762

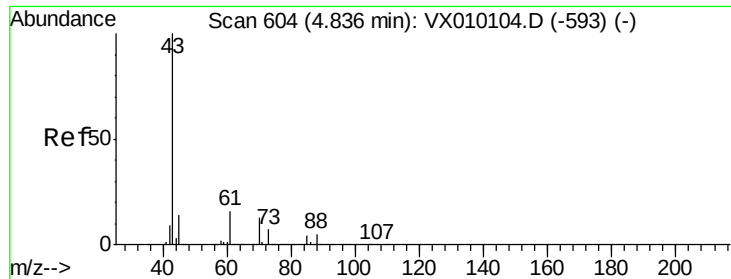
Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion:	75	Resp:	165616
Ion Ratio	Lower	Upper	
75	100		
110	41.0	16.7	50.1
77	31.2	25.0	37.4





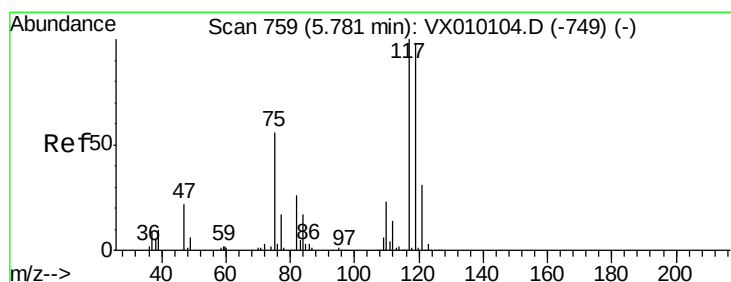
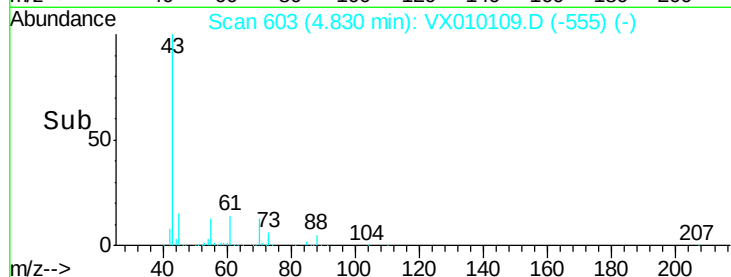
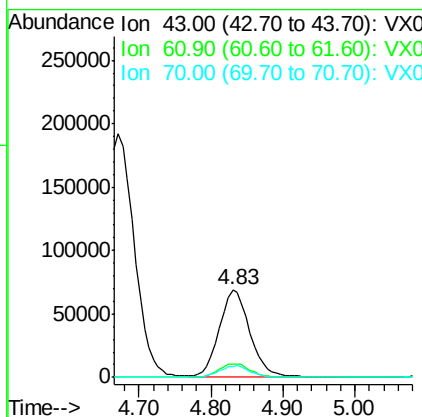
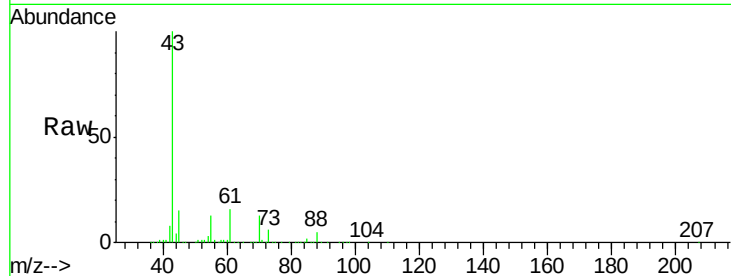
#37
Ethyl Acetate
Concen: 53.835 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	10.2	15.2#
70	12.8	7.4	11.2#

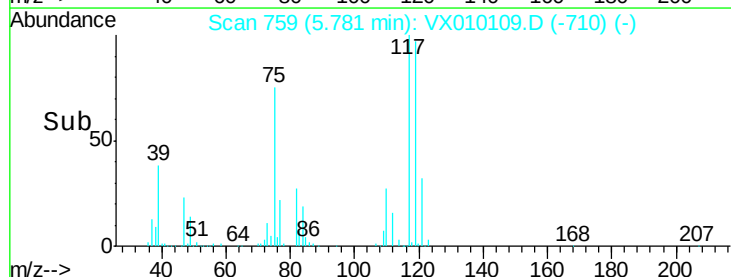
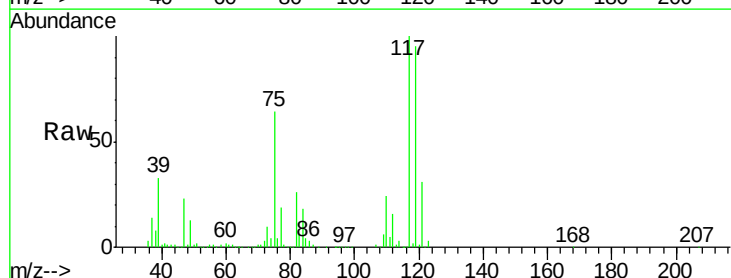
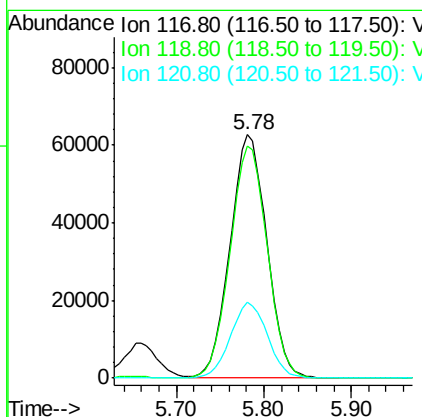
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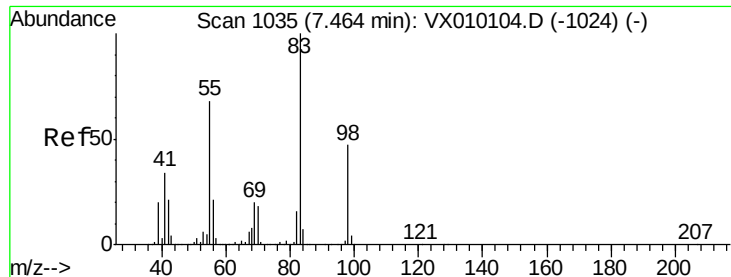
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#38
Carbon Tetrachloride
Concen: 44.820 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.3	115.9
121	31.4	25.4	38.0





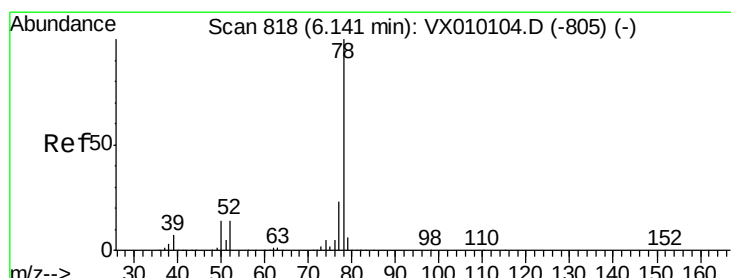
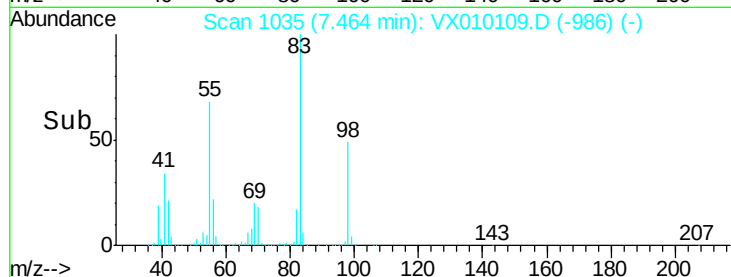
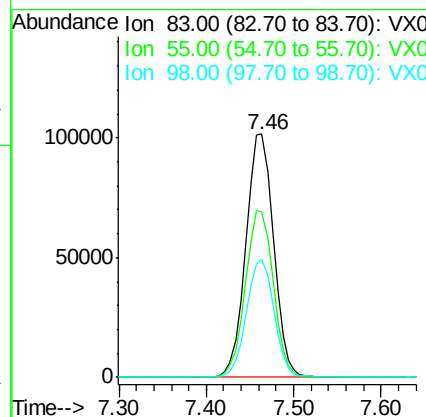
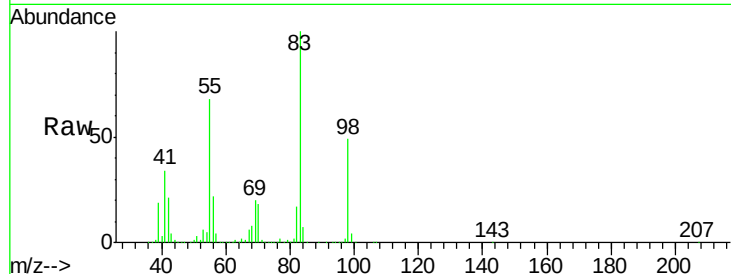
#39
Methylvlcyclohexane
Concen: 45.628 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.6	69.9	104.9#
98	48.7	35.1	52.7

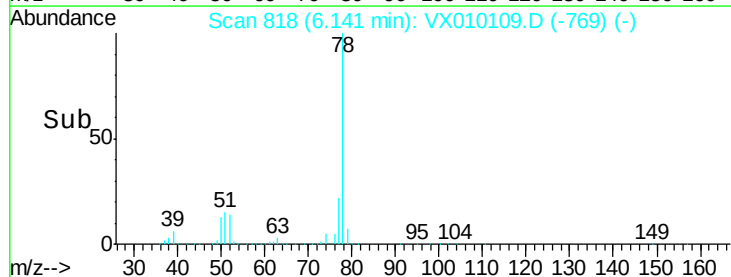
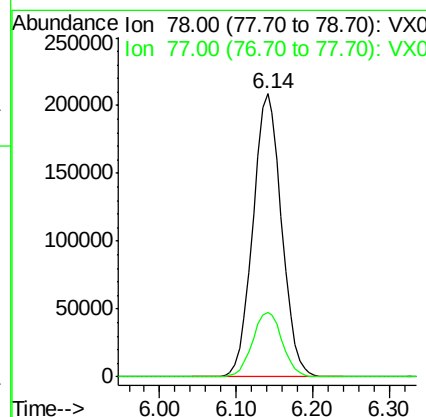
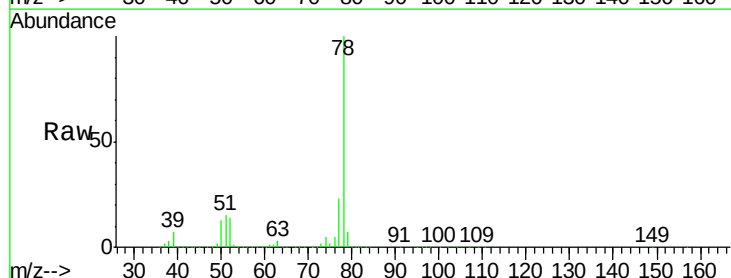
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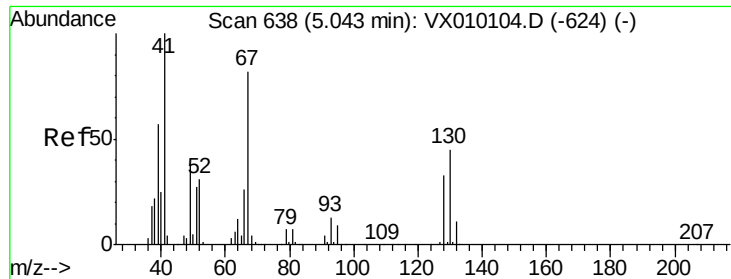
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#40
Benzene
Concen: 48.936 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.2	28.8





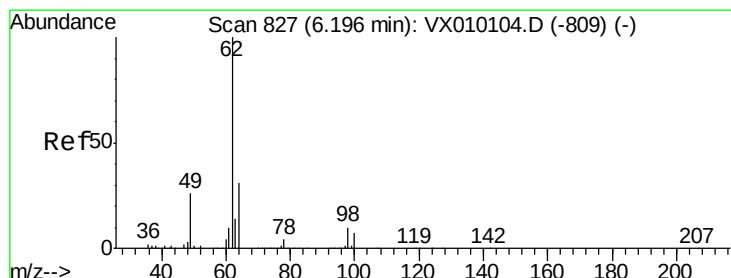
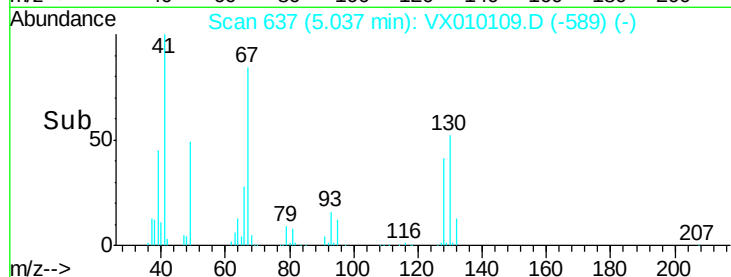
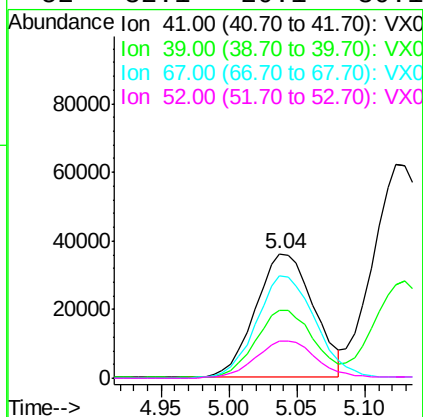
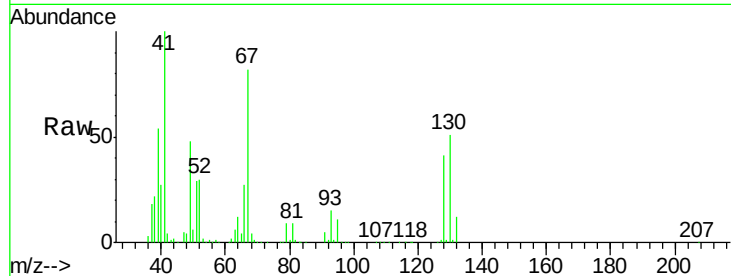
#41
Methacrylonitrile
Concen: 53.244 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	54.4	42.2	63.4		
67	84.2	48.9	73.3		
52	32.1	20.1	30.1		

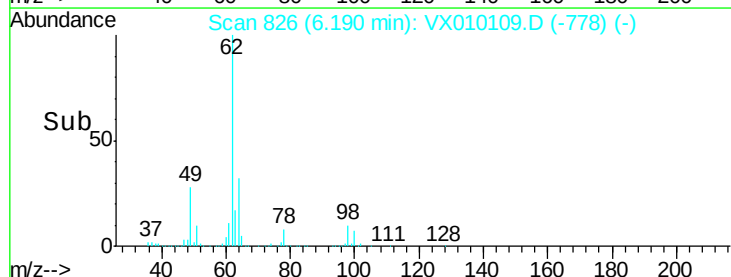
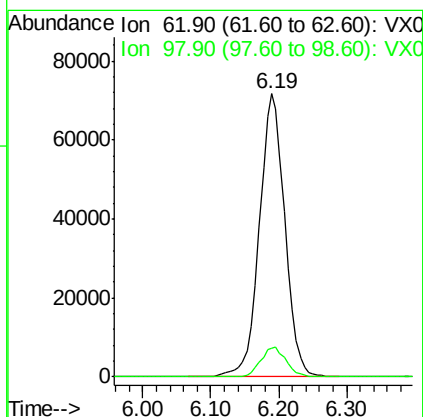
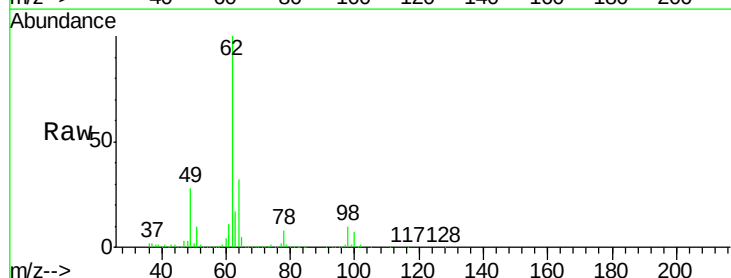
Manual Integrations
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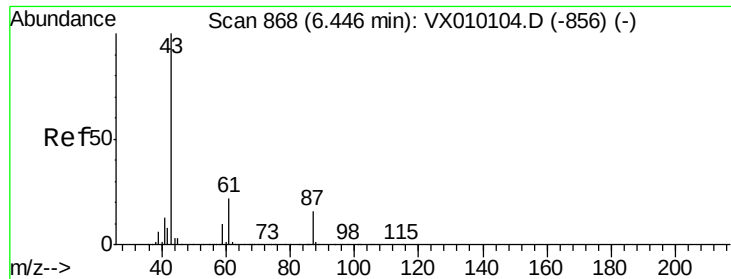
MMDadoda
6/10/2019 10:52:44 AM



#42
1,2-Dichloroethane
Concen: 52.624 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.3	0.0	17.2		





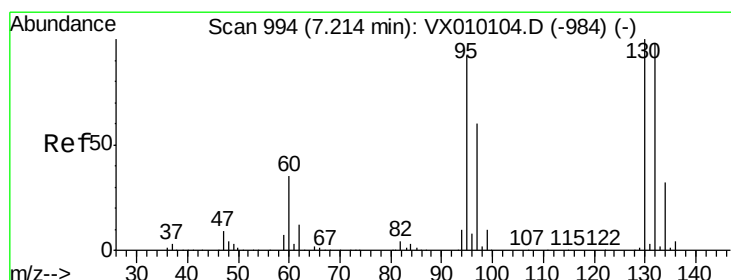
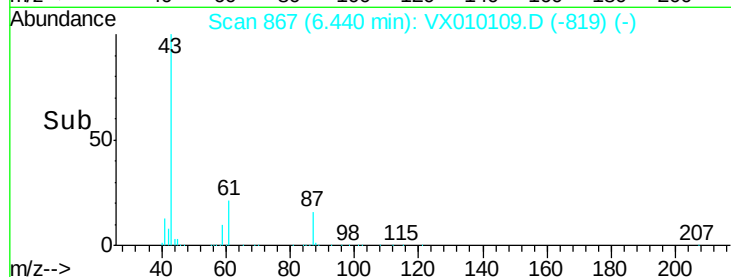
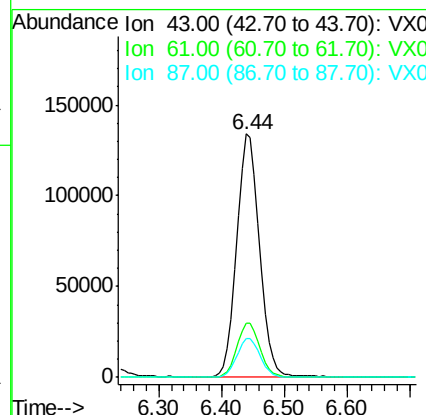
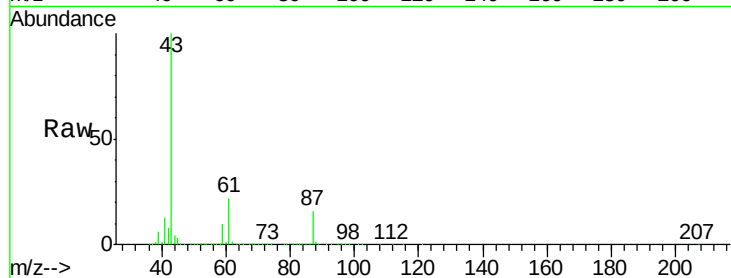
#43
Isopropyl Acetate
Concen: 53.504 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.6	14.6	21.8#
87	16.5	8.7	13.1#

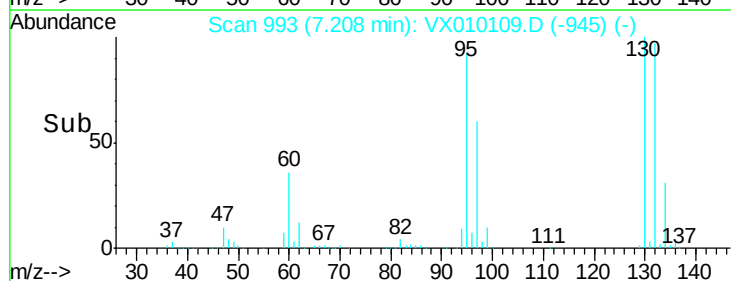
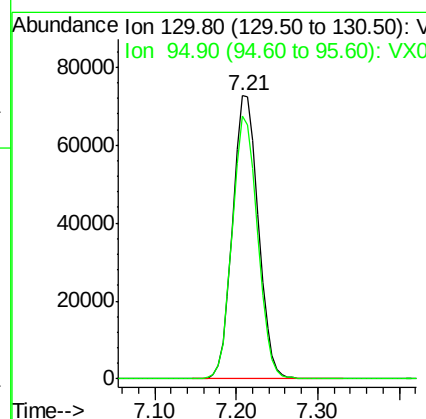
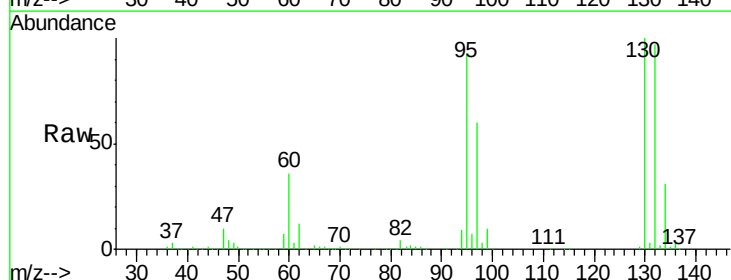
Manual Integrations
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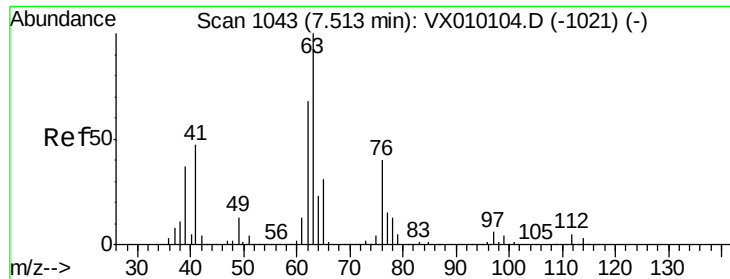
MMDadoda
6/10/2019 10:52:44 AM



#44
Trichloroethene
Concen: 46.865 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	207.4





#45

1,2-Dichloropropane

Concen: 51.077 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 142423

Ion Ratio Lower Upper

63 100

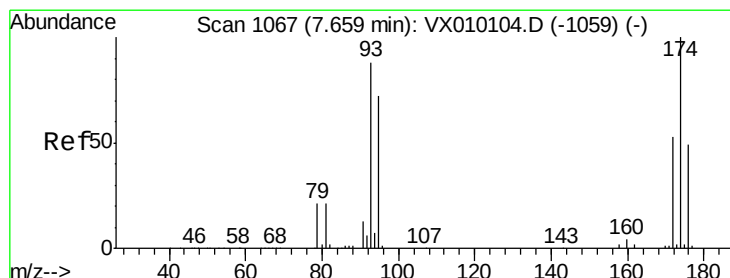
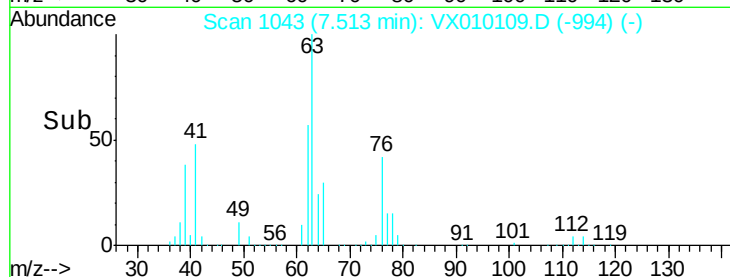
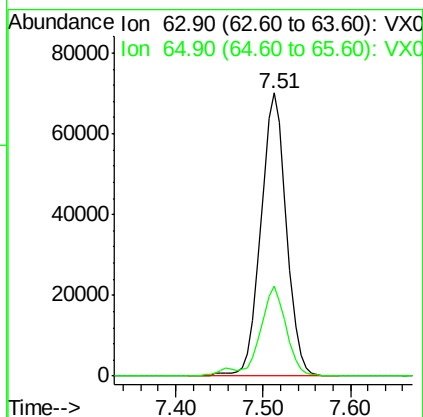
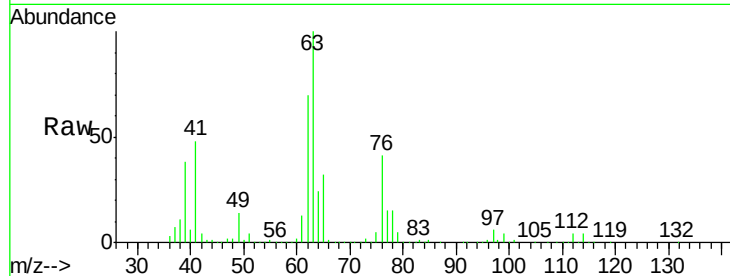
65 31.8 25.7 38.5

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#46

Dibromomethane

Concen: 51.078 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

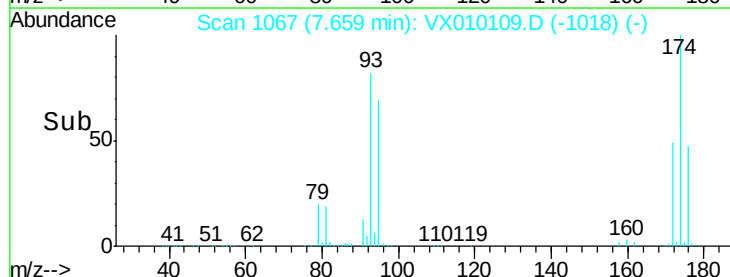
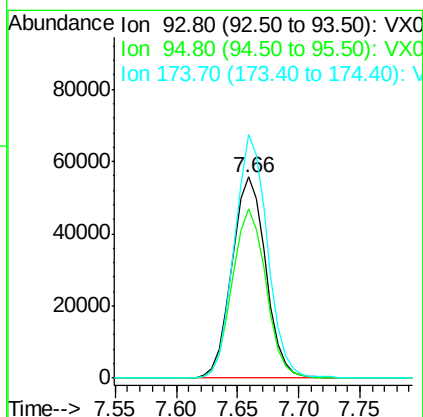
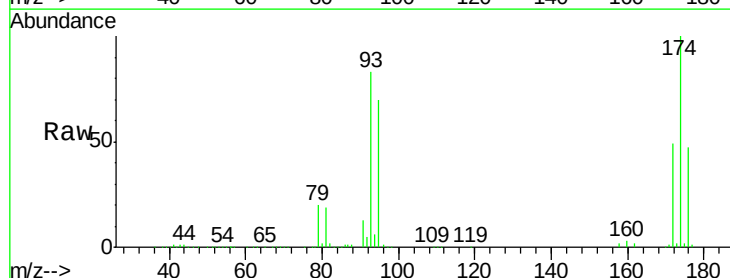
Tgt Ion: 93 Resp: 106703

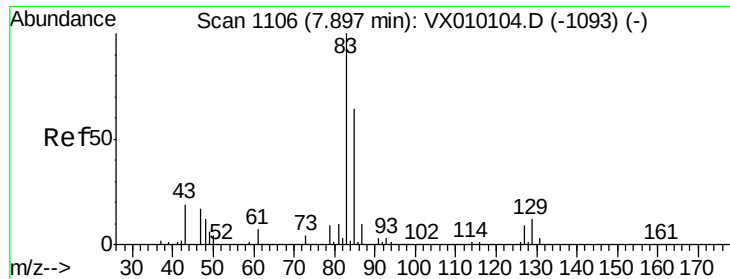
Ion Ratio Lower Upper

93 100

95 83.7 66.8 100.2

174 119.1 81.9 122.9





#47

Bromodichloromethane

Concen: 51.826 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

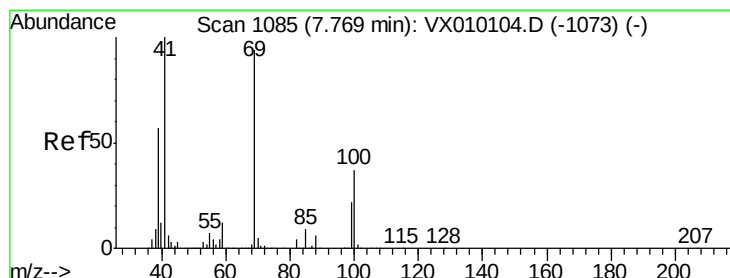
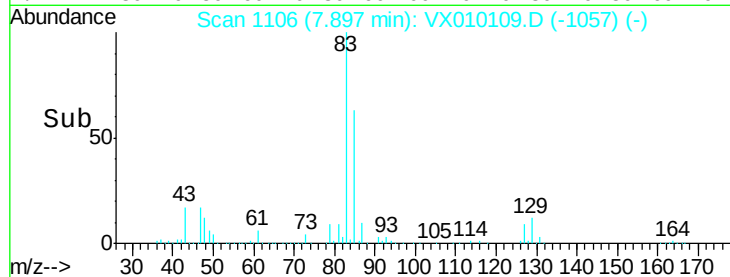
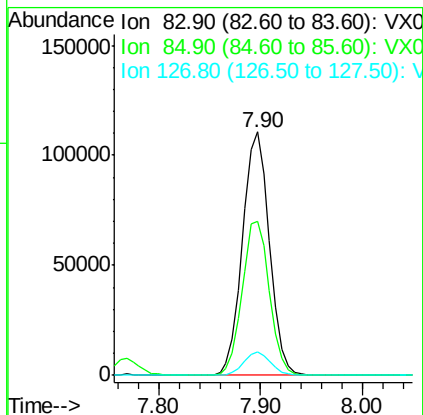
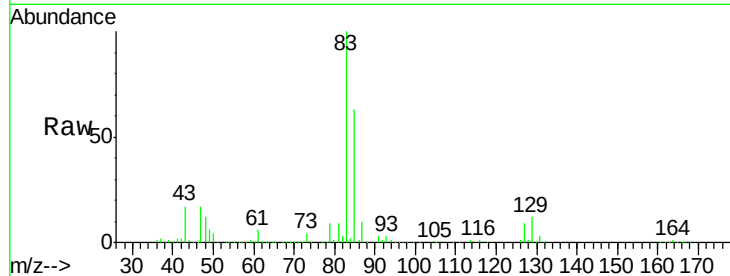
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	202304
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.4	77.2
127	9.4	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.281 ug/l

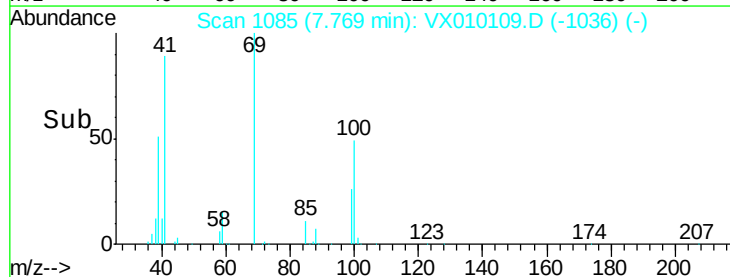
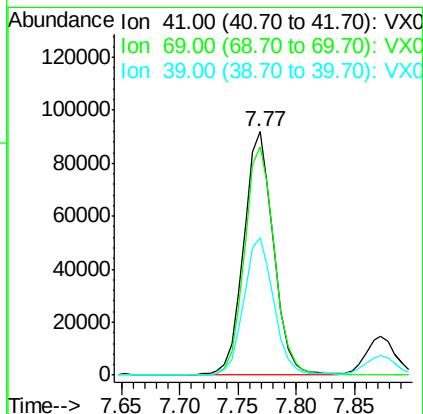
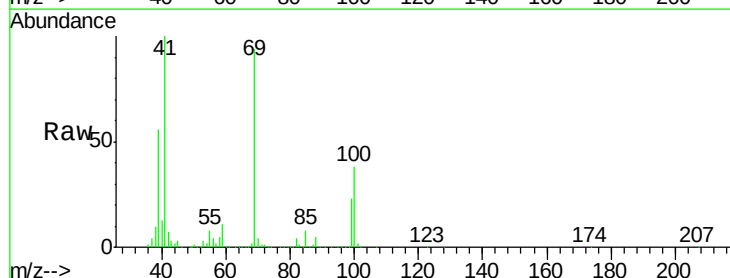
RT: 7.77 min Scan# 1085

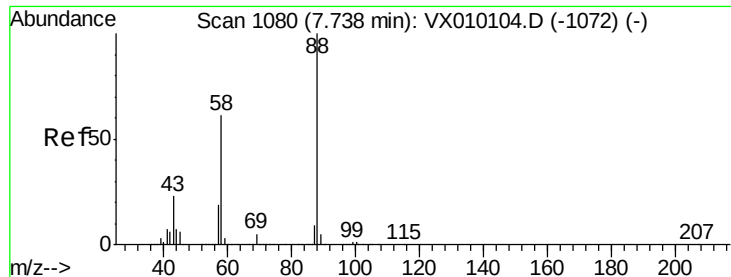
Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion:	41	Resp:	162042
Ion Ratio	Lower	Upper	
41	100		
69	95.6	56.4	84.6#
39	56.5	40.6	60.8





#49

1,4-Dioxane

Concen: 1079.385 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

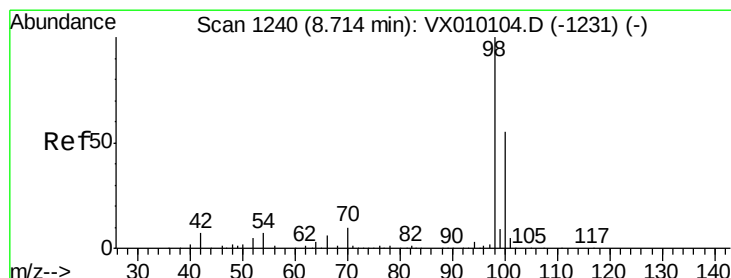
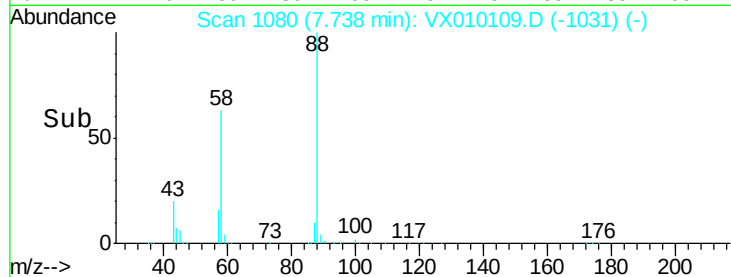
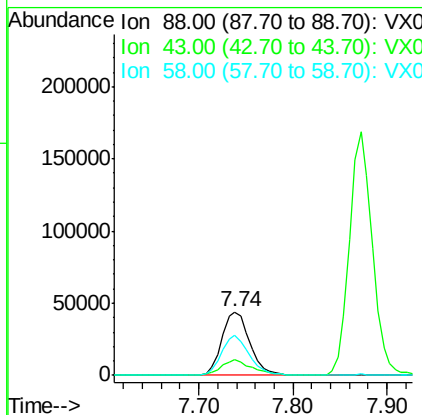
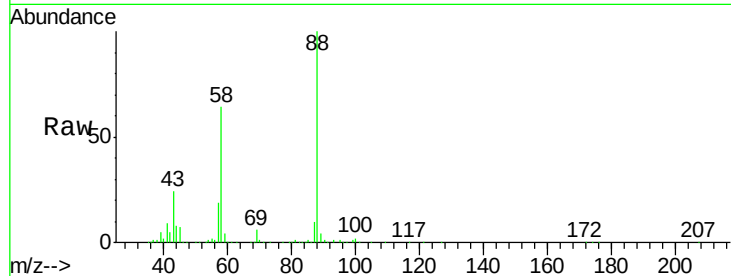
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	90207
Ion	Ratio	Lower	Upper
88	100		
43	26.4	30.2	45.4#
58	62.9	64.0	96.0#

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#50

Toluene-d8

Concen: 49.870 ug/l

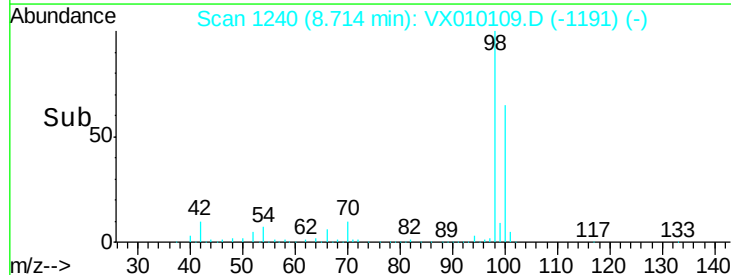
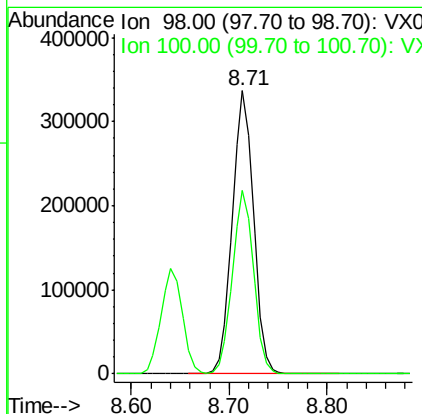
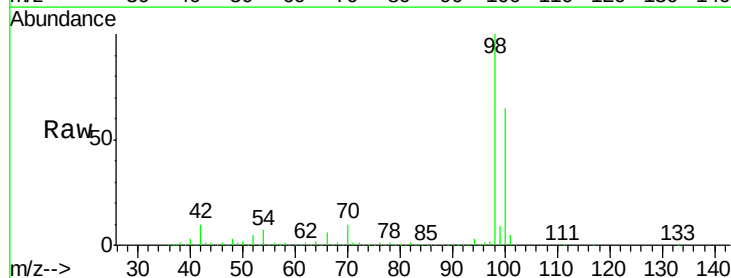
RT: 8.71 min Scan# 1240

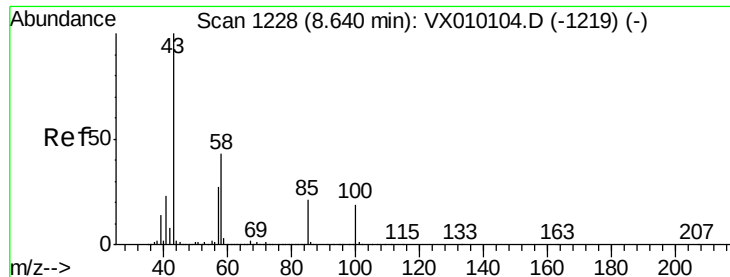
Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion:	98	Resp:	509119
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 280.782 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1051339

Ion Ratio Lower Upper

43 100

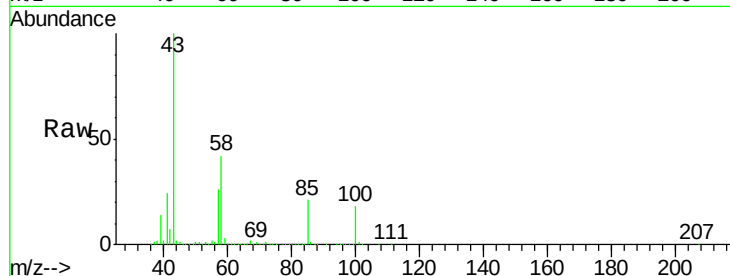
58 42.1 28.8 43.2

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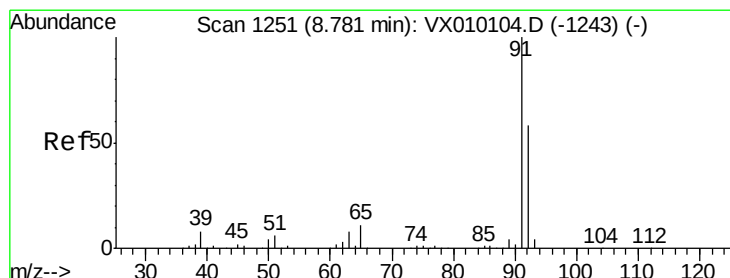
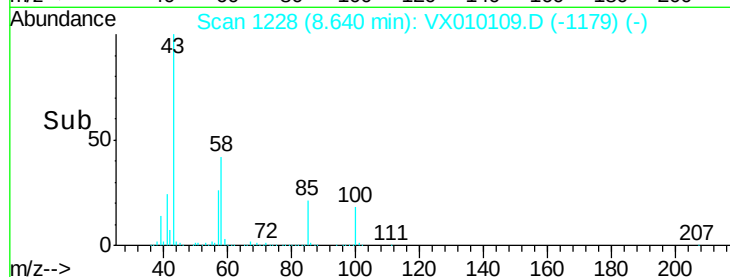
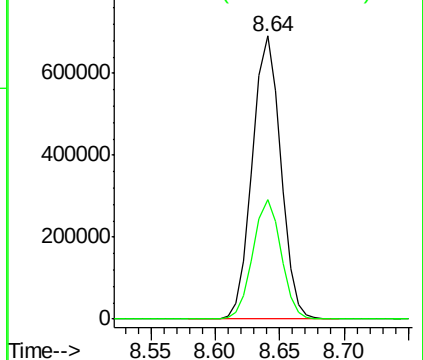
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.764 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010109.D

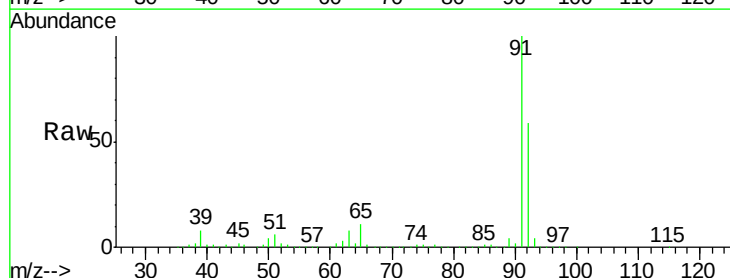
Acq: 07 Jun 2019 15:24

Tgt Ion: 92 Resp: 357109

Ion Ratio Lower Upper

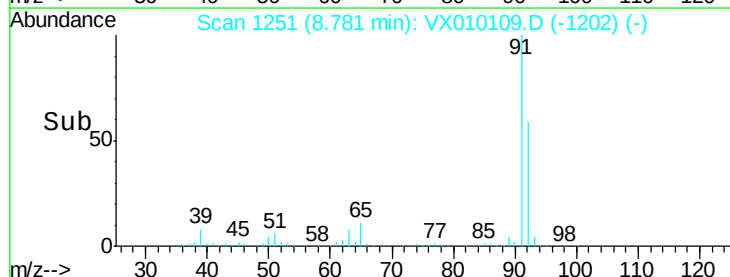
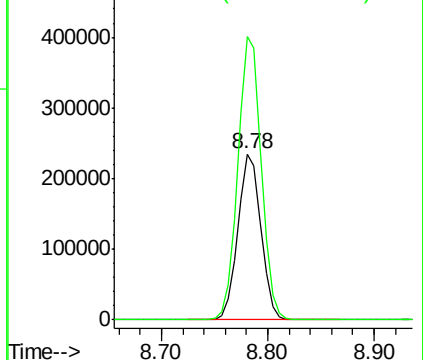
92 100

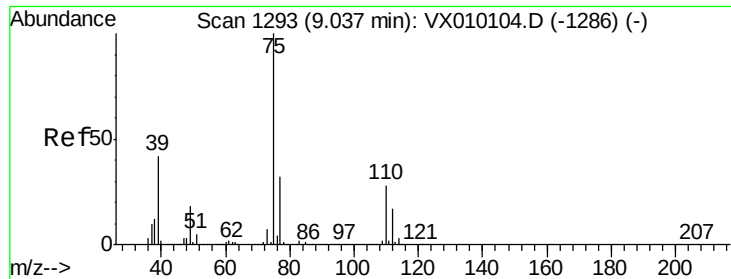
91 173.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





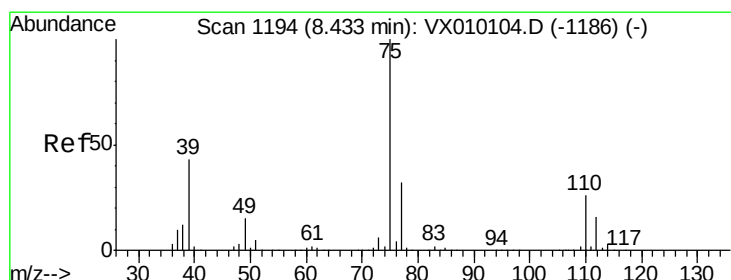
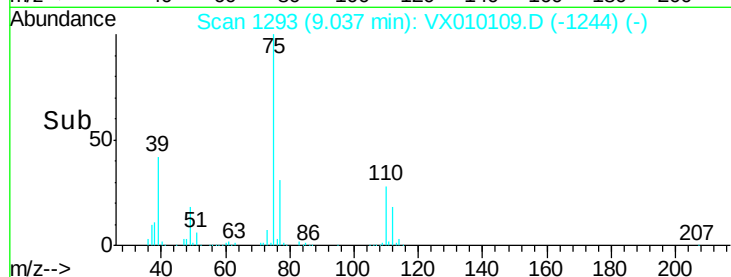
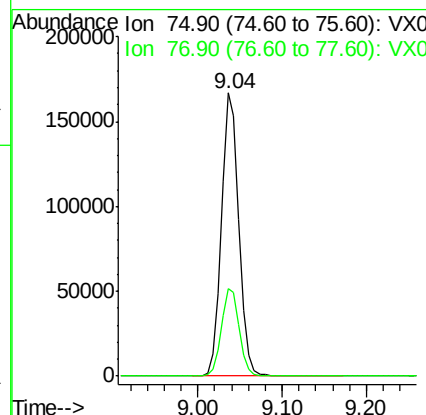
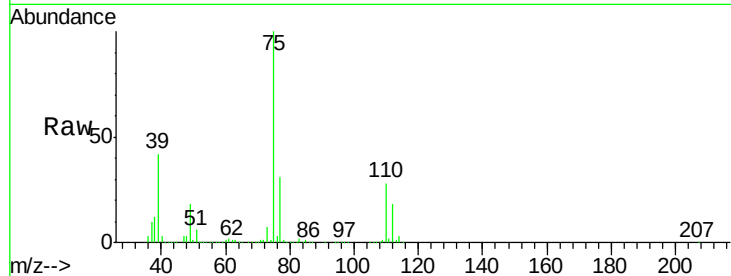
#53
 t-1,3-Dichloropropene
 Concen: 52.662 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	36.8

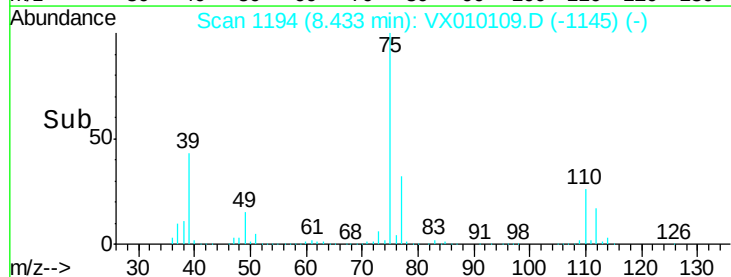
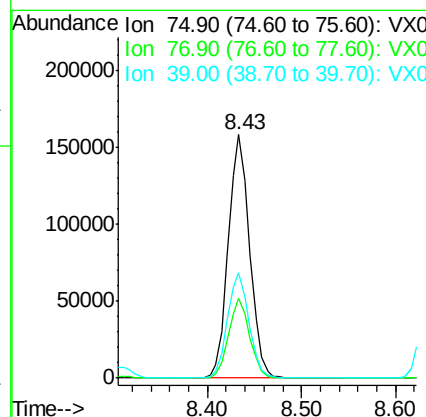
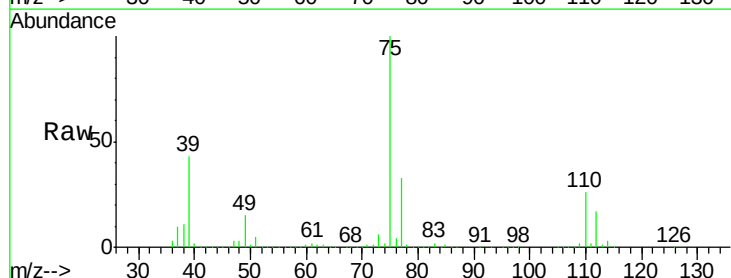
Manual Integrations
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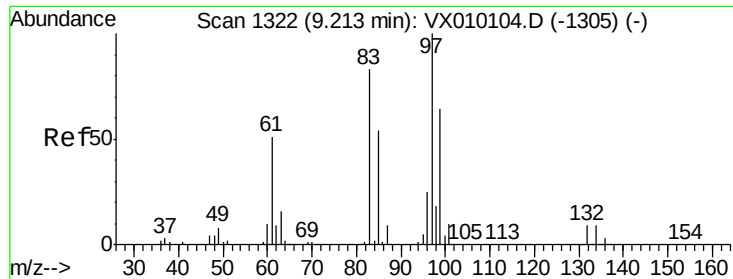
MMDadoda
 6/10/2019 10:52:44 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.148 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.8	37.2
39	42.9	43.4	65.0#





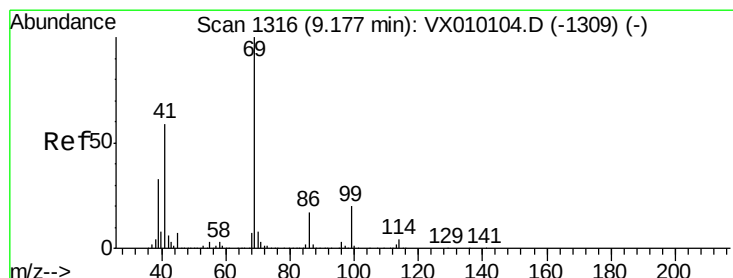
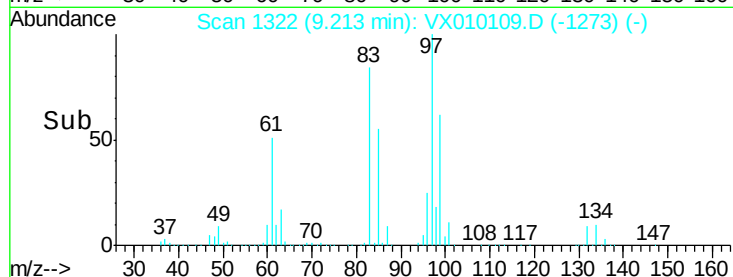
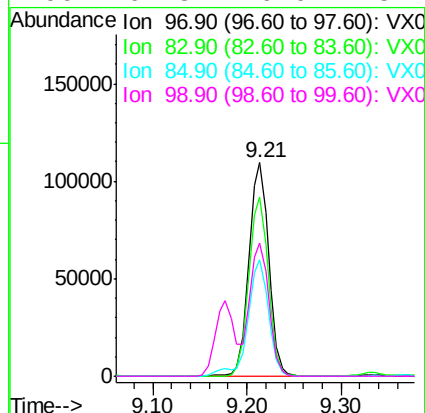
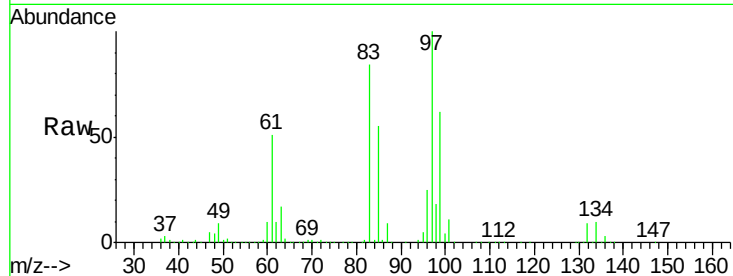
#55
 1,1,2-Trichloroethane
 Concen: 53.468 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	160362
Ion Ratio	Lower	Upper	
97	100		
83	83.6	69.8	104.8
85	54.6	45.3	67.9
99	62.3	49.0	73.4

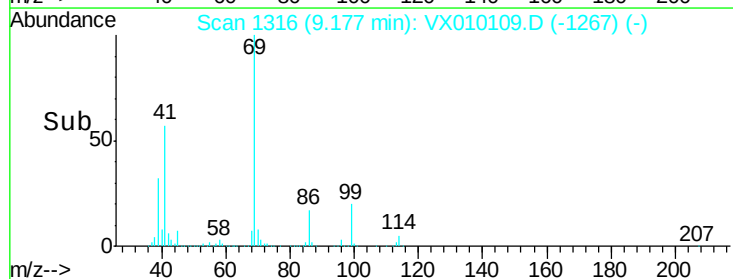
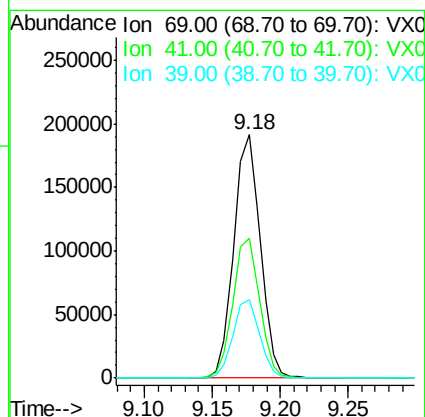
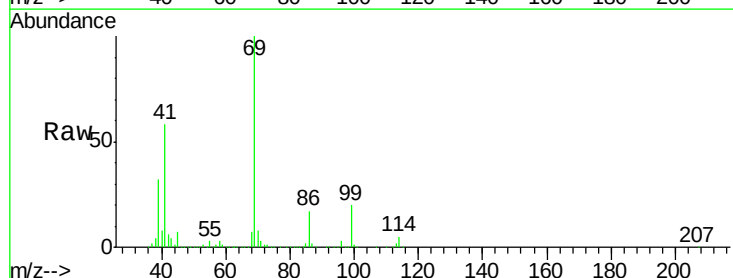
Manual Integrations
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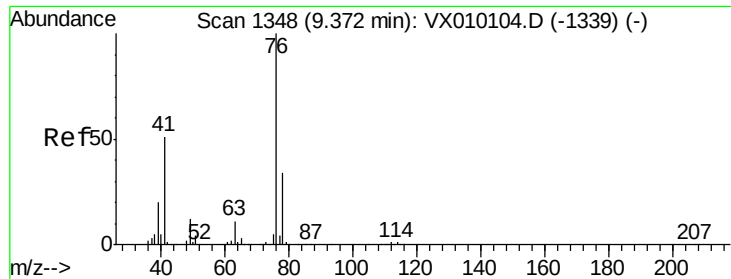
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#56
 Ethyl methacrylate
 Concen: 55.092 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Tgt Ion:	69	Resp:	261006
Ion Ratio	Lower	Upper	
69	100		
41	58.1	62.7	94.1#
39	32.3	29.5	44.3





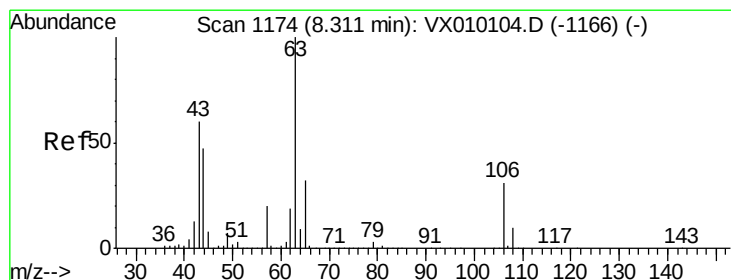
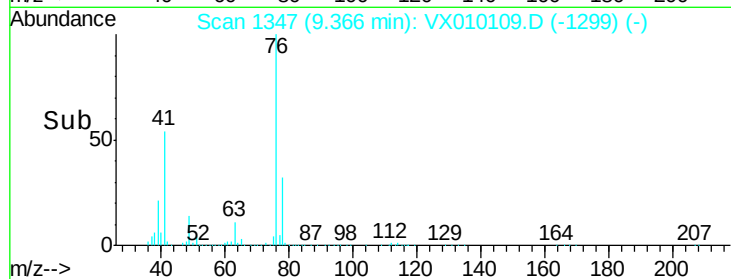
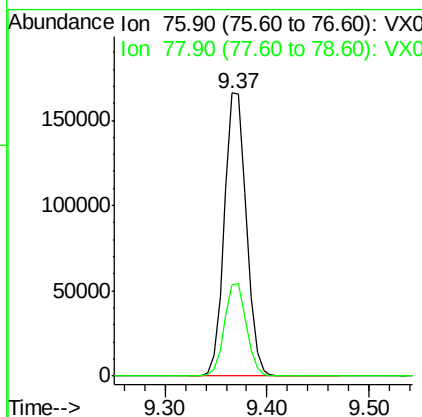
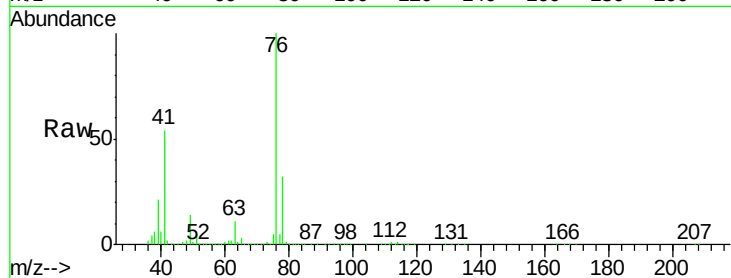
#57
 1,3-Dichloropropane
 Concen: 52.484 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 247818
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.0

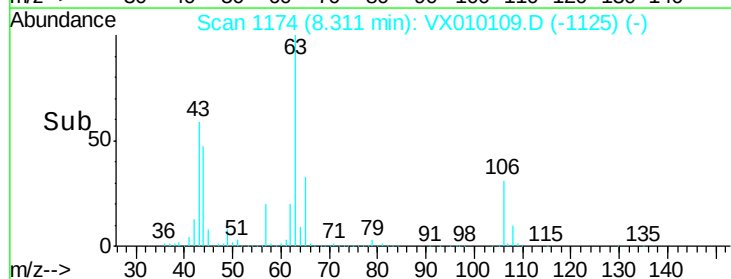
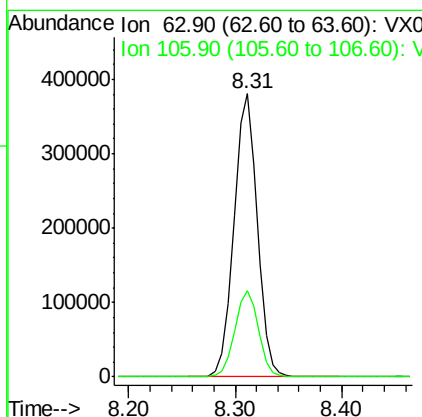
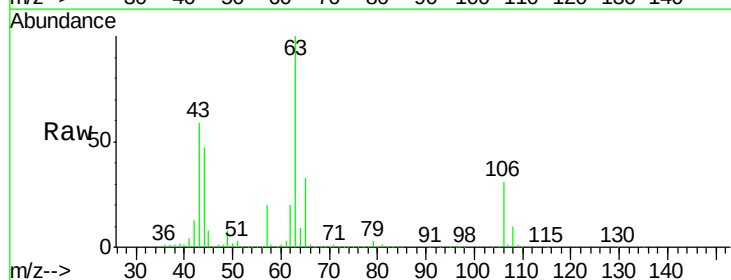
Manual Integrations
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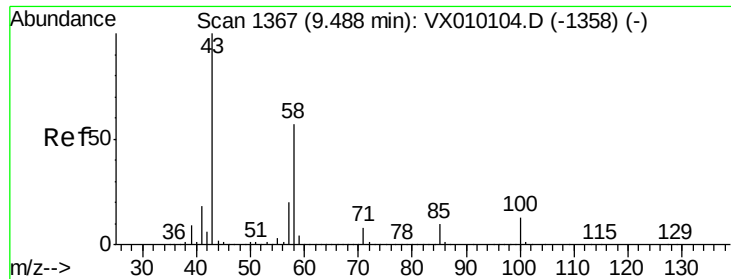
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#58
 2-Chloroethyl Vinyl ether
 Concen: 261.805 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Tgt Ion: 63 Resp: 584730
 Ion Ratio Lower Upper
 63 100
 106 30.9 19.4 29.2#





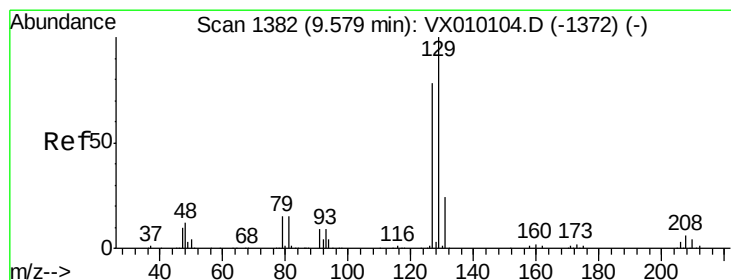
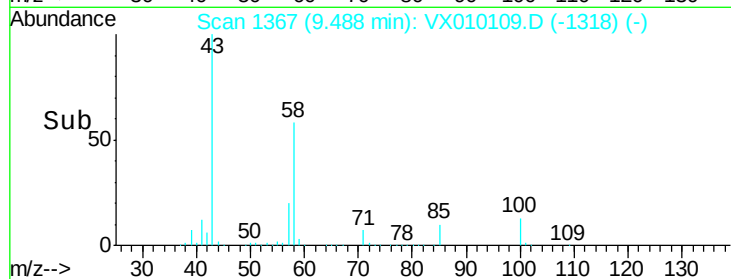
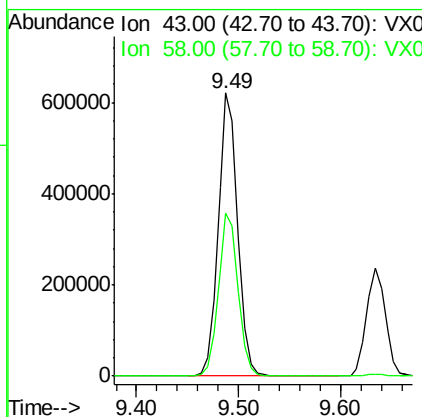
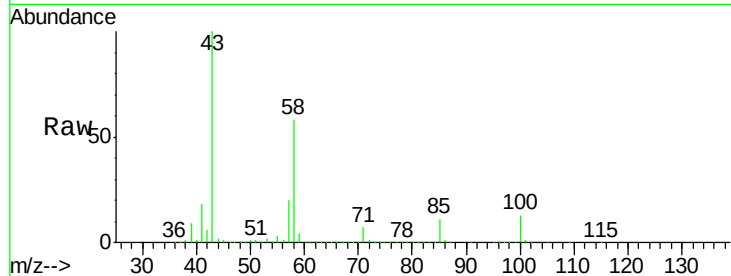
#59
2-Hexanone
Concen: 275.922 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 823736
Ion Ratio Lower Upper
43 100
58 58.5 25.1 75.3

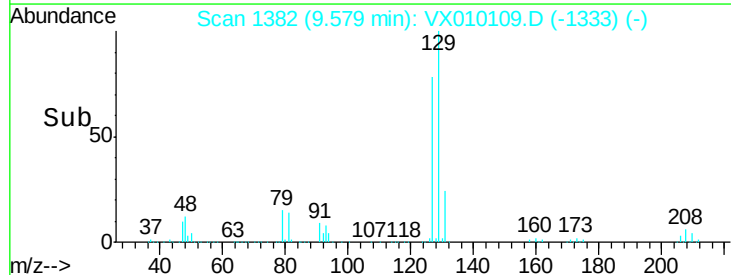
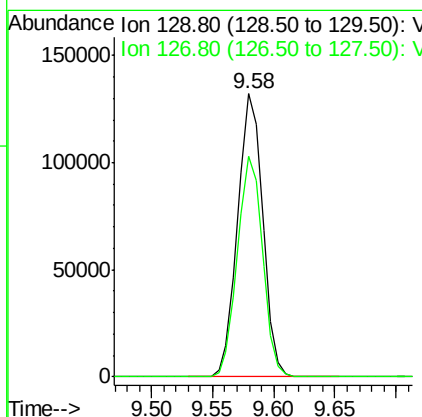
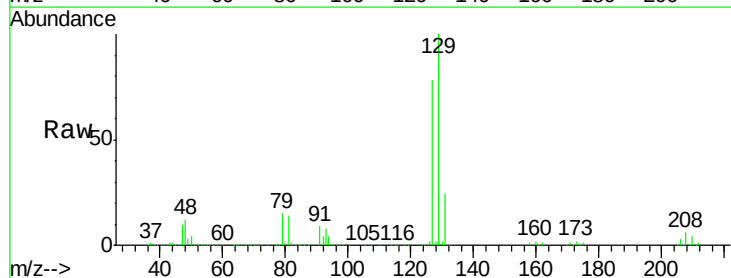
Manual Integrations
APPROVED

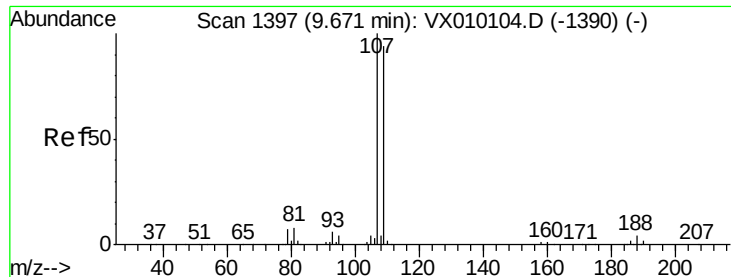
MMDadoda
6/10/2019 10:52:44 AM



#60
Dibromochloromethane
Concen: 52.974 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion: 129 Resp: 187928
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.078 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 177300

Ion Ratio Lower Upper

107 100

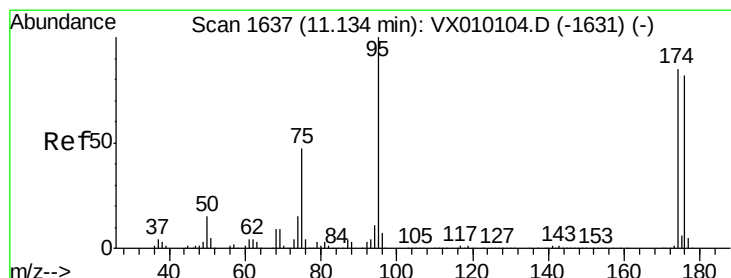
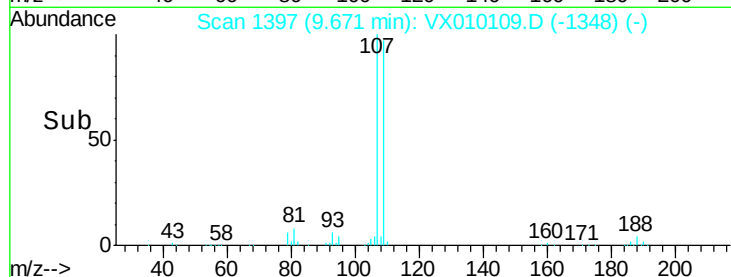
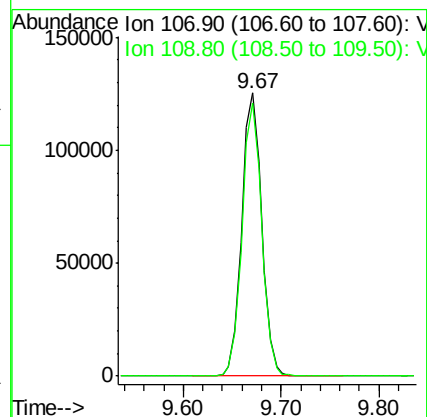
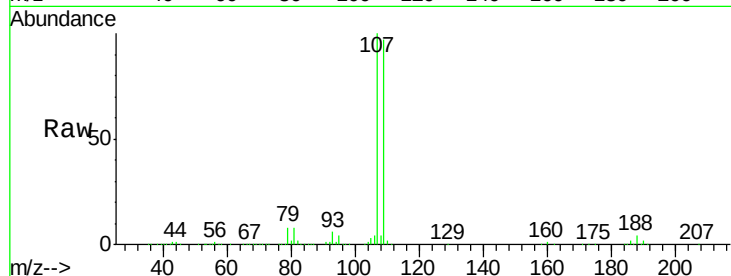
109 95.4 75.4 113.2

Manual Integrations

APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 53.265 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

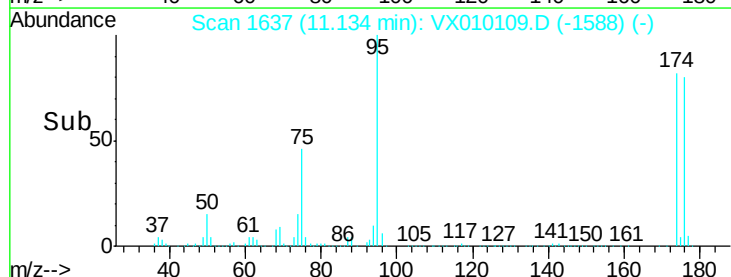
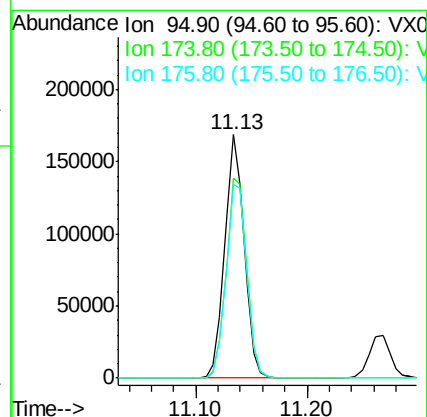
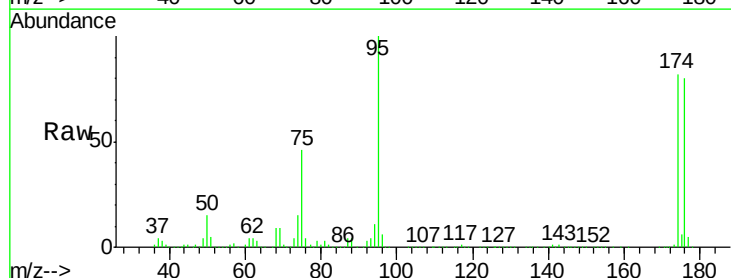
Tgt Ion: 95 Resp: 203078

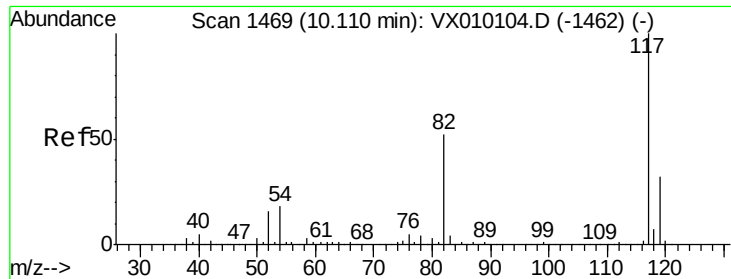
Ion Ratio Lower Upper

95 100

174 87.2 0.0 160.4

176 84.5 0.0 154.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 416948

Ion Ratio Lower Upper

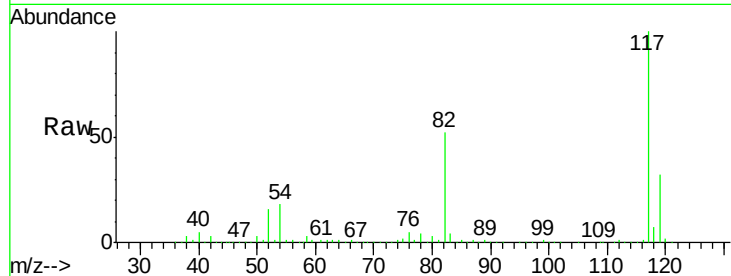
117 100

82 51.6 49.2 73.8

119 32.0 25.2 37.8

Manual Integrations
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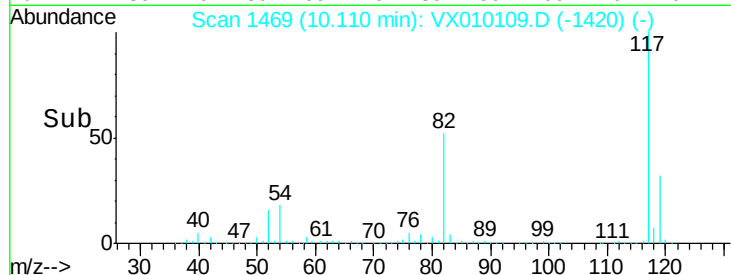


Abundance Ion 116.90 (116.60 to 117.60): V

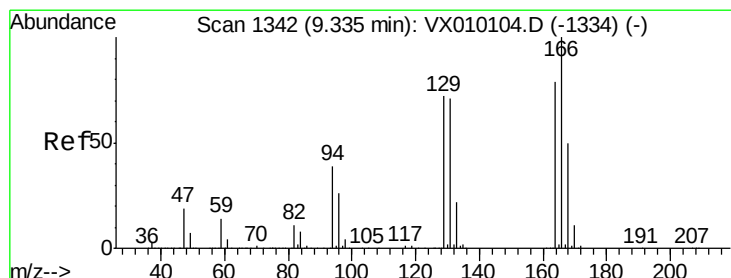
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->



#64

Tetrachloroethene

Concen: 44.938 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion:164 Resp: 139161

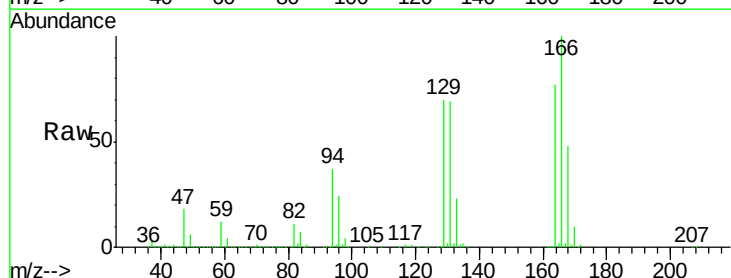
Ion Ratio Lower Upper

164 100

166 129.2 105.0 157.4

129 91.0 75.1 112.7

131 89.2 72.2 108.4



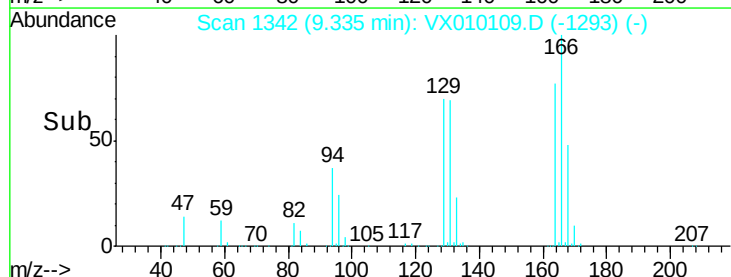
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

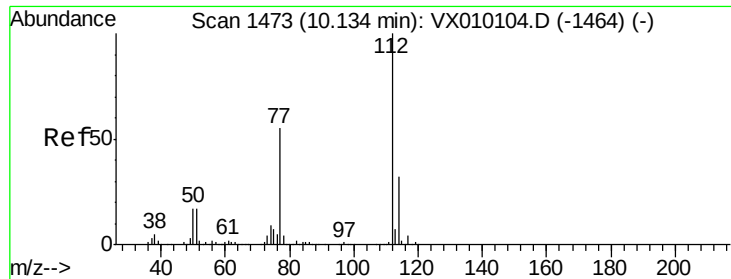
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



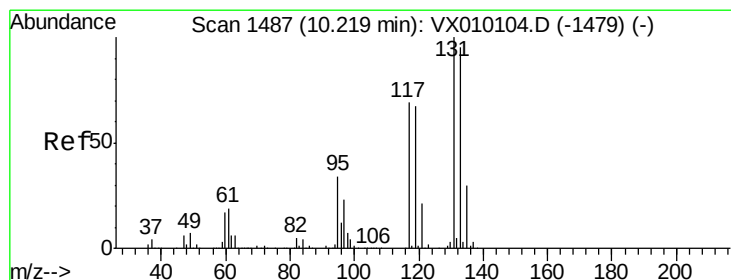
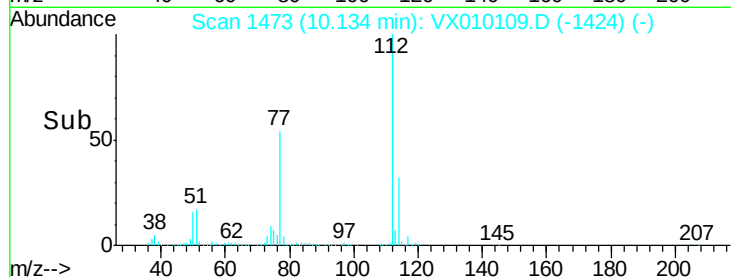
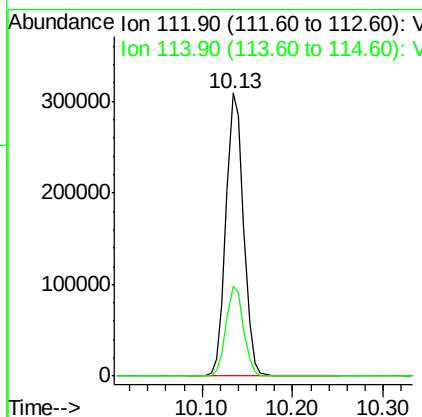
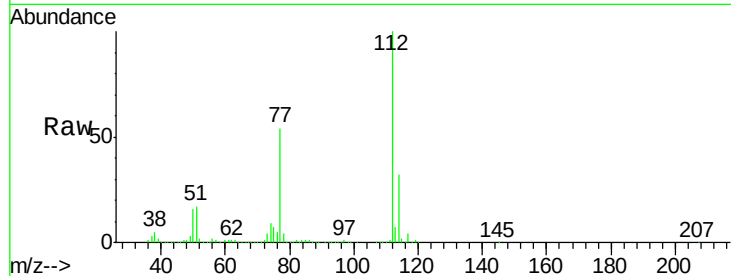
#65
Chlorobenzene
Concen: 48.430 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 416764
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8

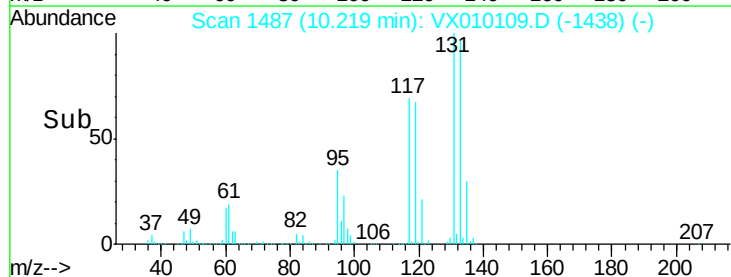
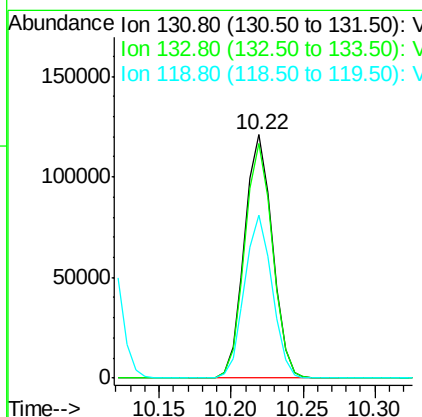
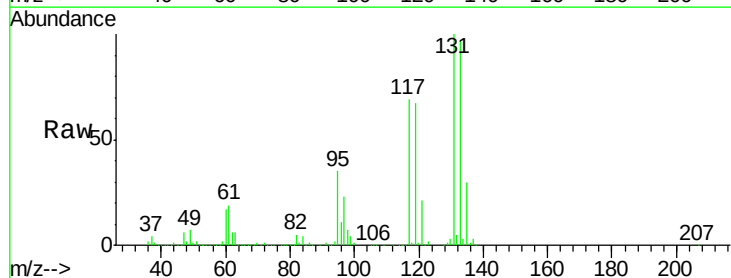
Manual Integrations
APPROVED

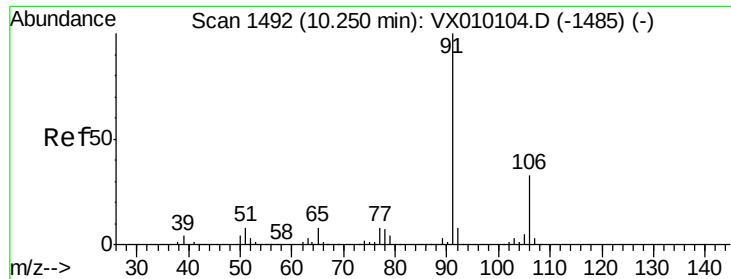
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.102 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion:131 Resp: 162496
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 66.2 33.4 100.1





#67

Ethyl Benzene

Concen: 46.692 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 684019

Ion Ratio Lower Upper

91 100

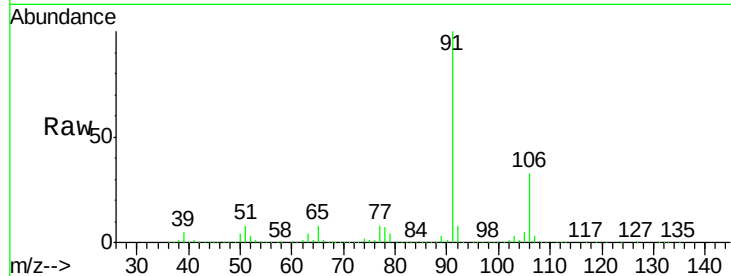
106 33.5 23.9 35.9

Manual Integrations

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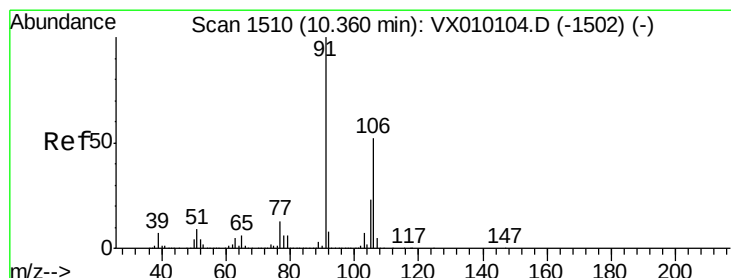
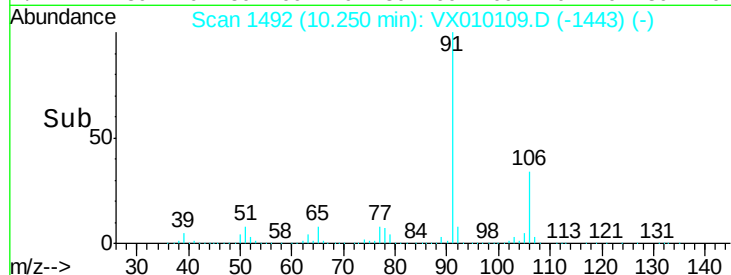
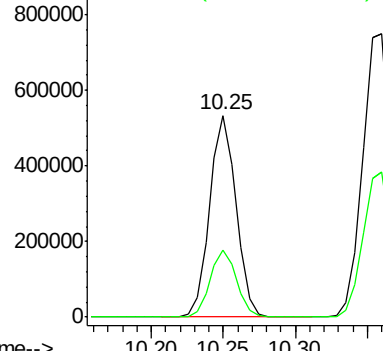
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 93.528 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010109.D

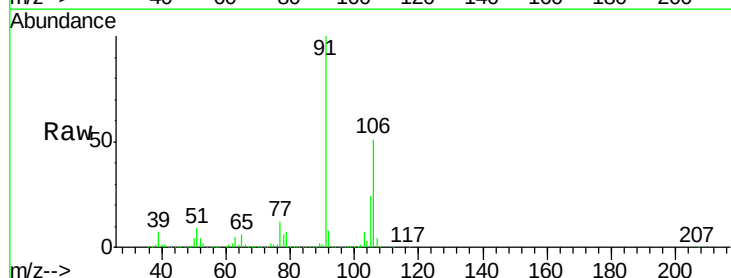
Acq: 07 Jun 2019 15:24

Tgt Ion: 106 Resp: 530202

Ion Ratio Lower Upper

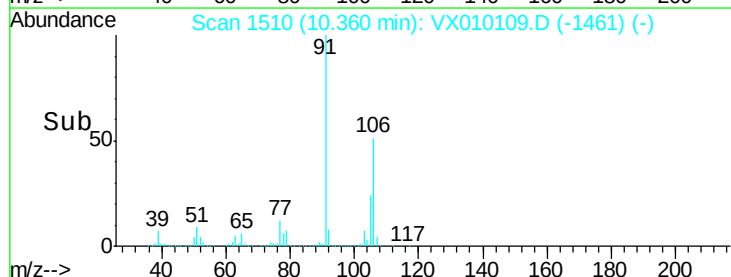
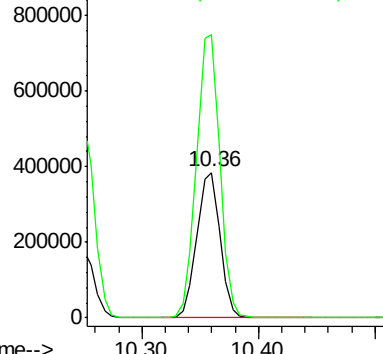
106 100

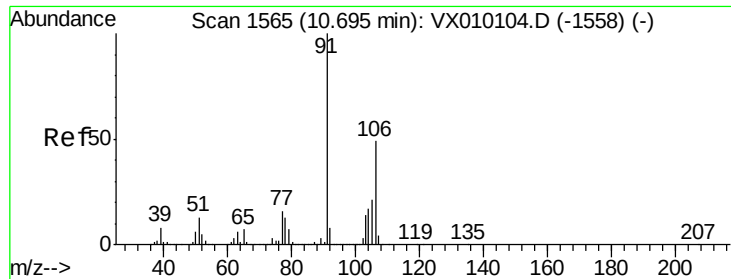
91 196.5 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





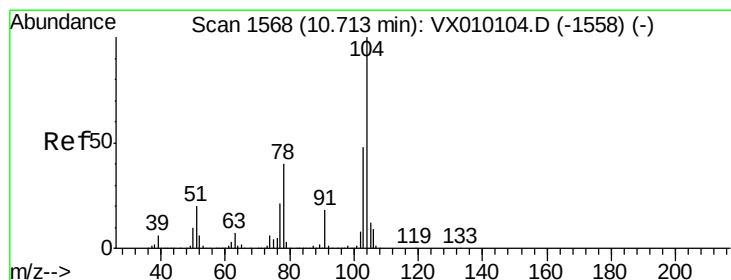
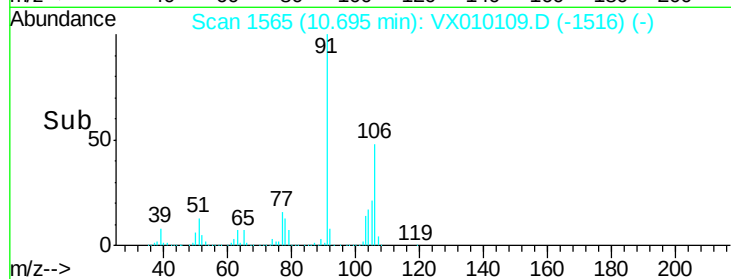
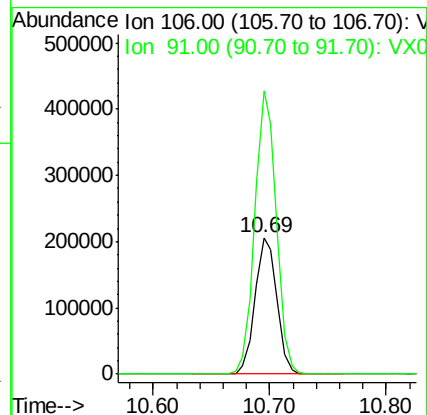
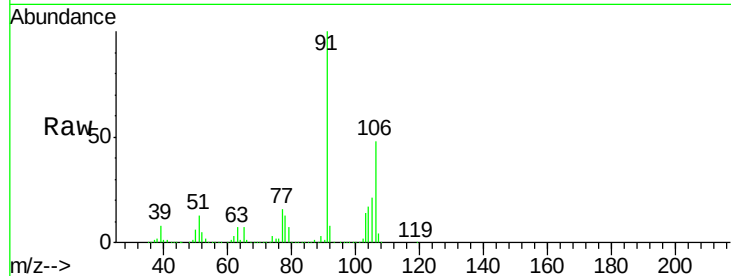
#69
o-Xylene
Concen: 47.770 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	269194		
91	91	204.3	110.4	331.2	

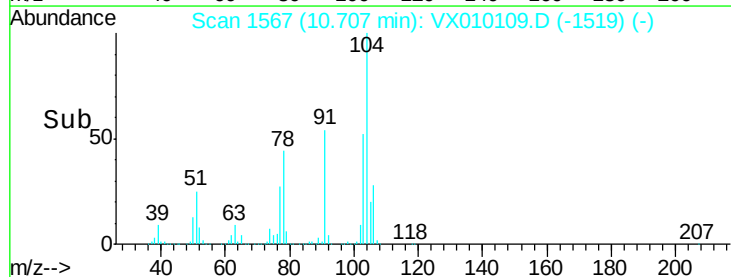
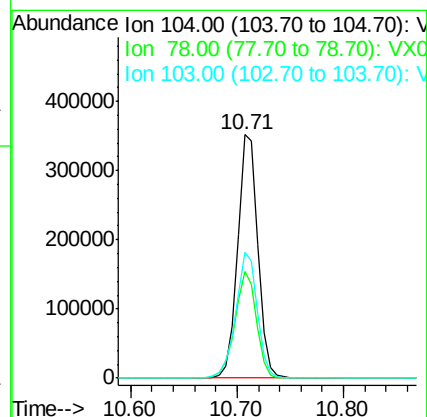
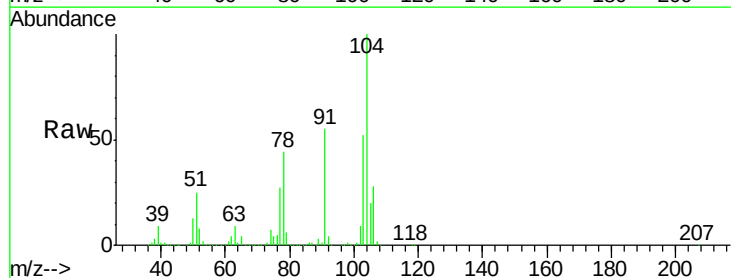
Manual Integrations
APPROVED

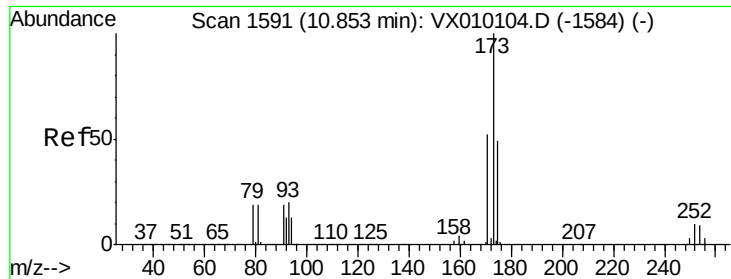
MMDadoda
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#70
Styrene
Concen: 49.135 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	468949		
78	78	46.6	42.1	63.1	
103	103	54.9	44.1	66.1	





#71

Bromoform

Concen: 51.288 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 156035

Ion Ratio Lower Upper

173 100

175 48.8 25.0 75.0

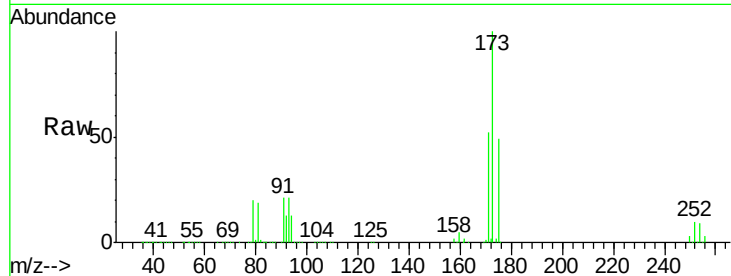
254 0.2 0.2 0.2#

Manual Integrations

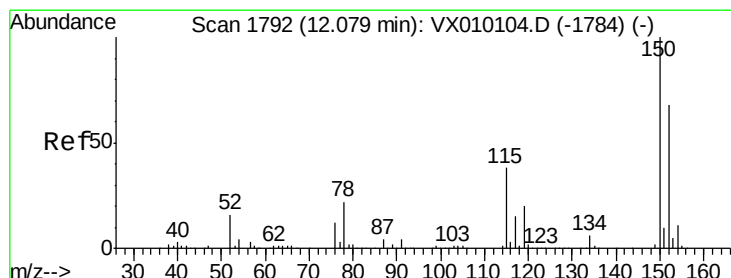
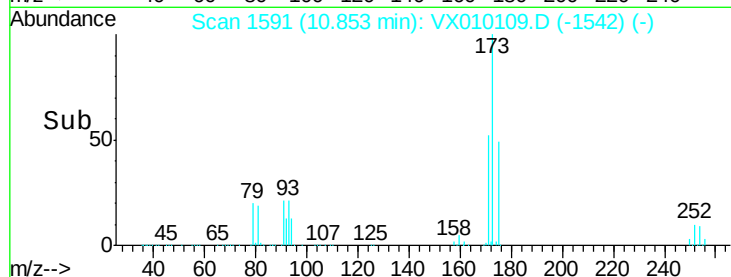
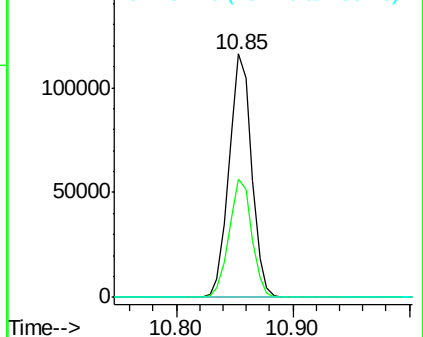
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

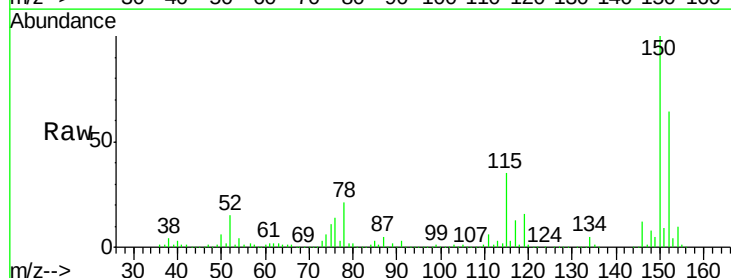
Tgt Ion:152 Resp: 212181

Ion Ratio Lower Upper

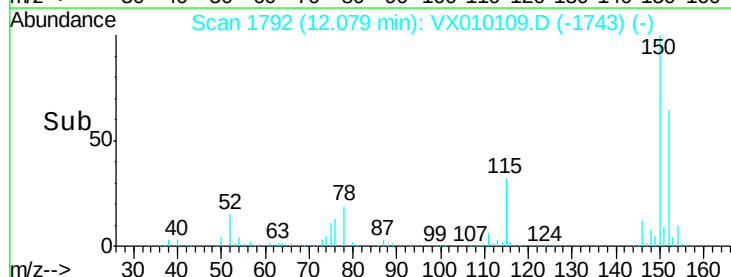
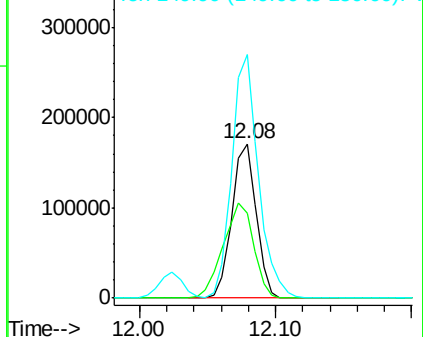
152 100

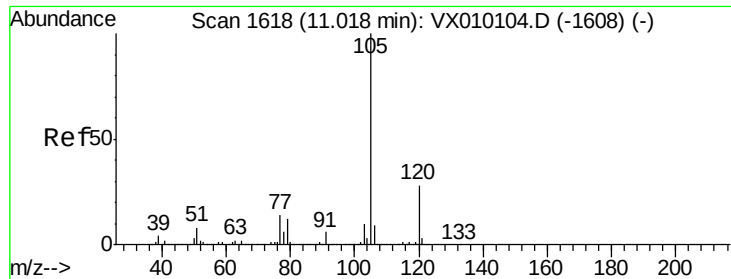
115 77.4 41.4 124.2

150 172.4 0.0 345.2



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





#73

Isopropylbenzene

Concen: 46.258 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 685155

Ion Ratio Lower Upper

105 100

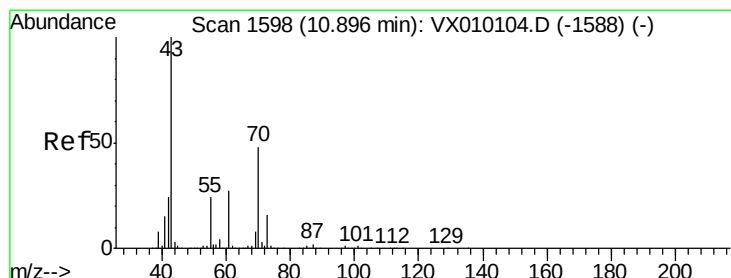
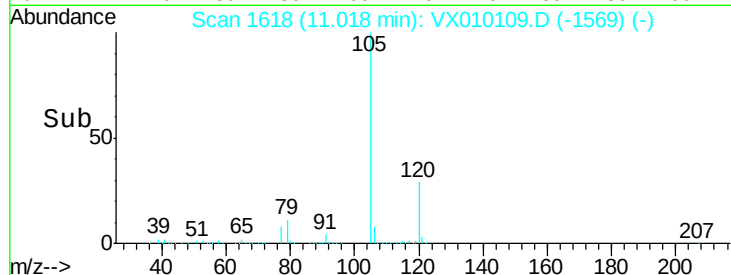
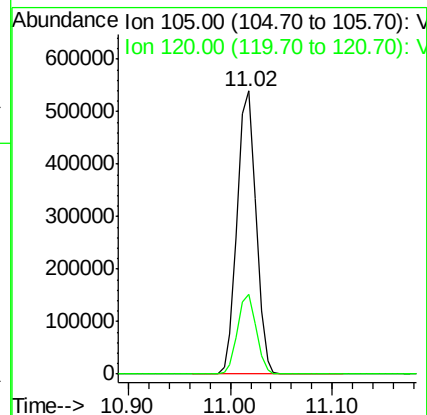
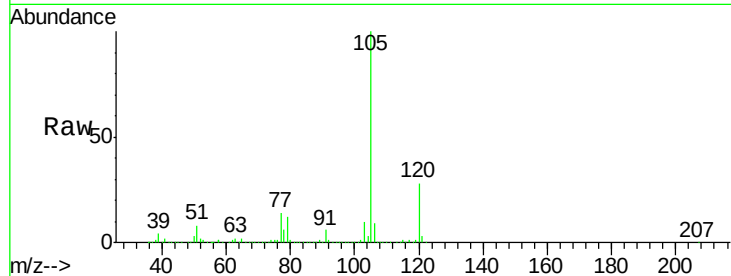
120 27.9 12.8 38.4

Manual Integrations

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6/10/2019 10:52:44 AM



#74

N-ethyl acetate

Concen: 51.227 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion: 43 Resp: 299934

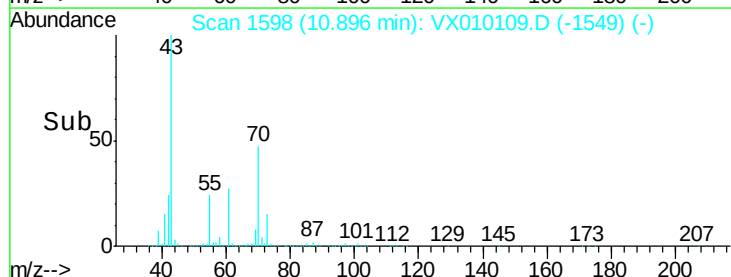
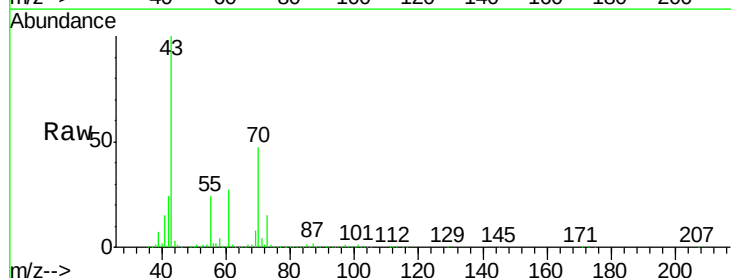
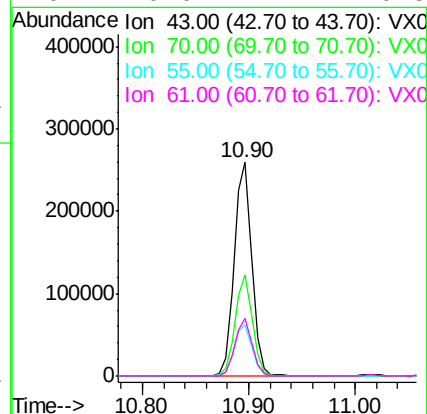
Ion Ratio Lower Upper

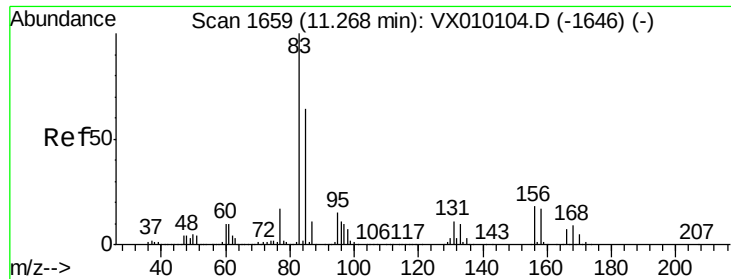
43 100

70 46.4 28.6 43.0#

55 24.3 17.8 26.8

61 26.6 17.7 26.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 49.682 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

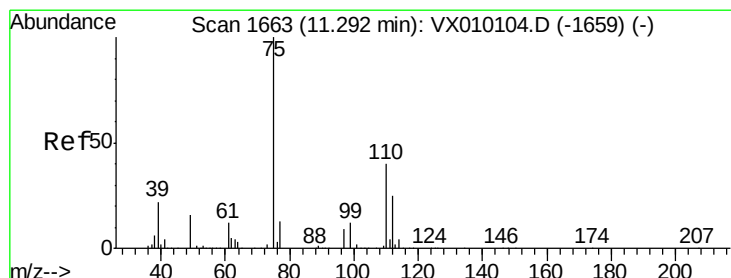
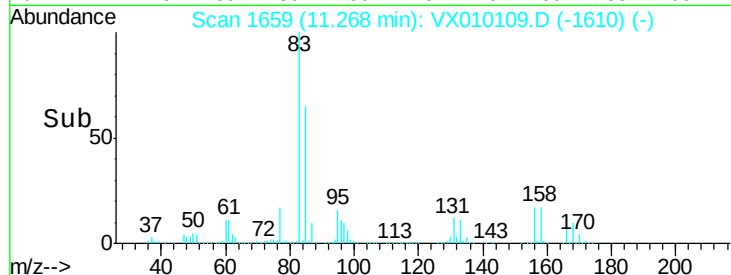
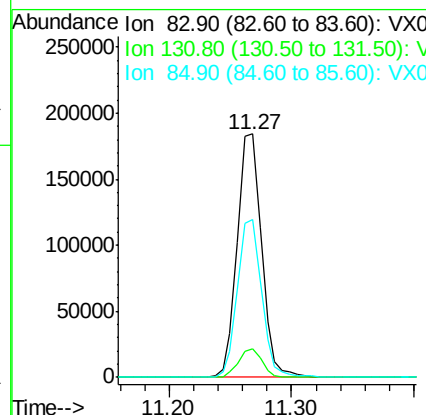
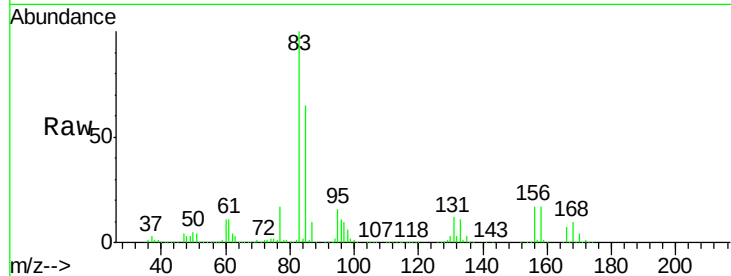
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	251896
Ion Ratio	Lower	Upper	
83	100		
131	11.3	4.7	14.1
85	64.9	31.9	95.9

Manual Integrations
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6/10/2019 10:52:44 AM



#76

1,2,3-Trichloropropane

Concen: 51.183 ug/l m

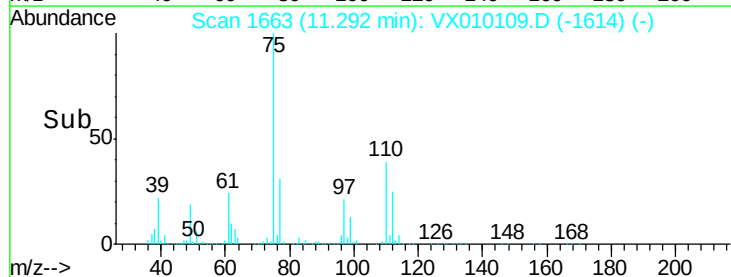
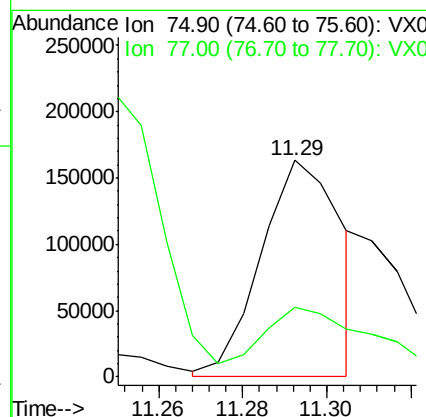
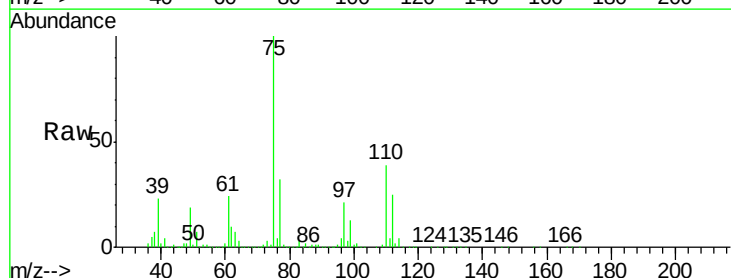
RT: 11.29 min Scan# 1663

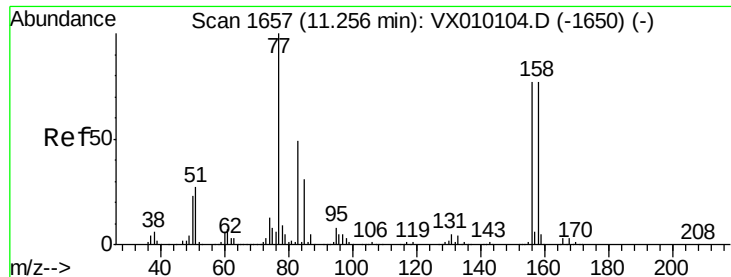
Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion:	75	Resp:	217222
Ion Ratio	Lower	Upper	
75	100		
77	44.3	22.1	66.1





#77

Bromobenzene

Concen: 48.373 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 197028

Ion Ratio Lower Upper

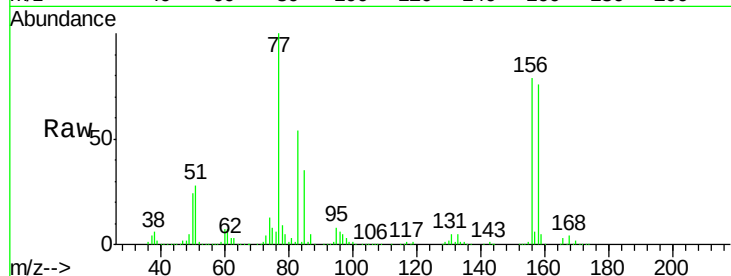
156 100

77 140.0 86.8 260.3

158 97.6 49.6 148.8

Manual Integrations
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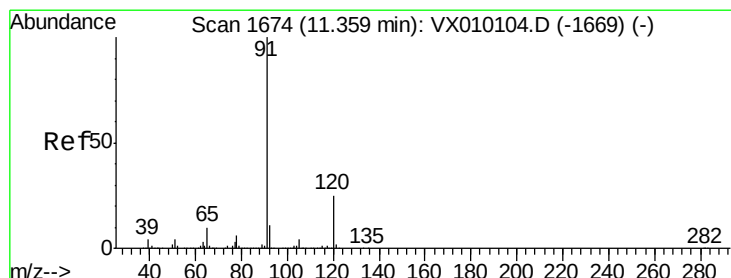
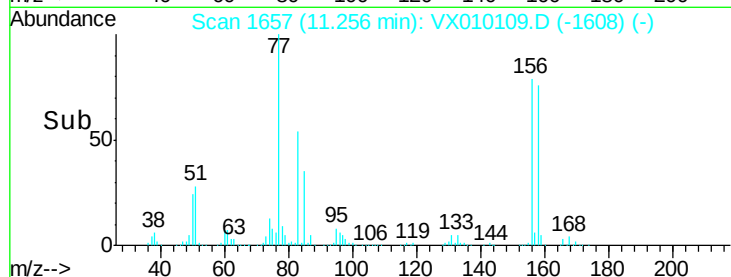
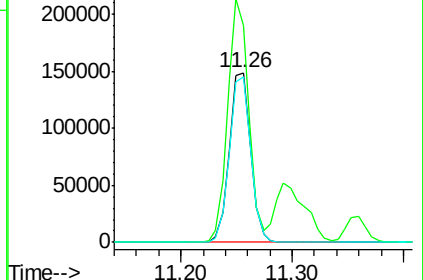
MMDadoda
6/10/2019 10:52:44 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.108 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010109.D

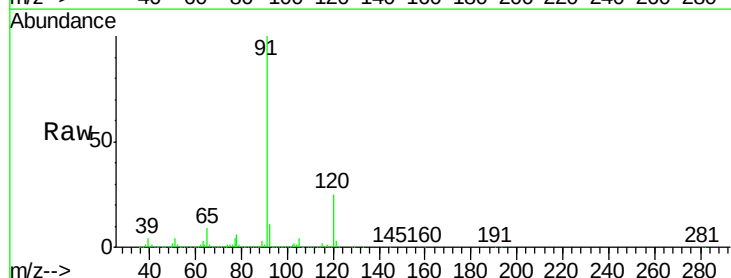
Acq: 07 Jun 2019 15:24

Tgt Ion: 91 Resp: 776785

Ion Ratio Lower Upper

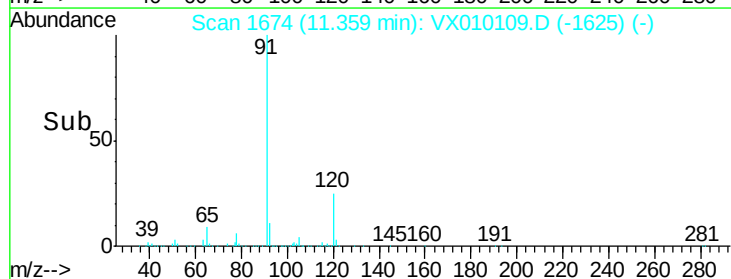
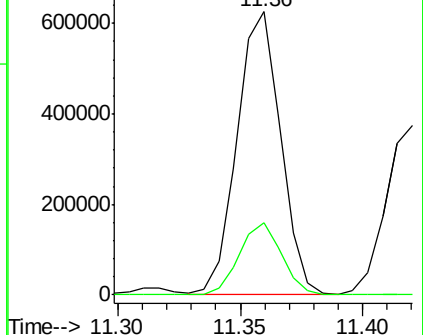
91 100

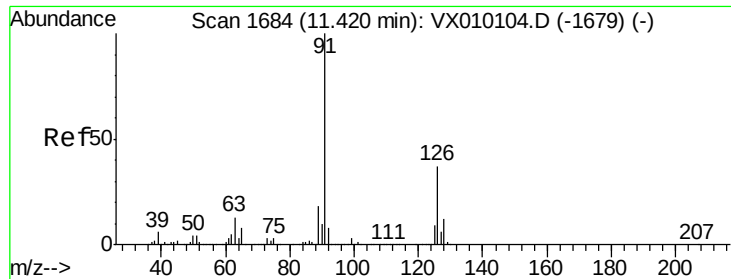
120 24.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.314 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 468579

Ion Ratio Lower Upper

91 100

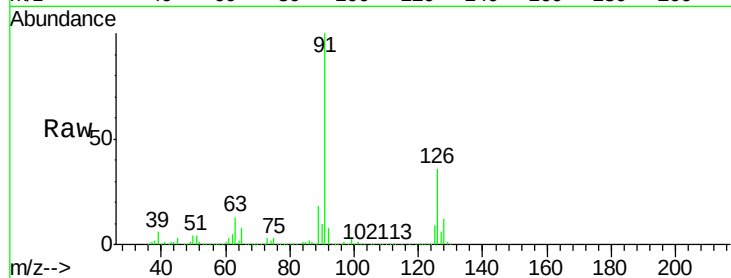
126 36.5 16.1 48.3

Manual Integrations

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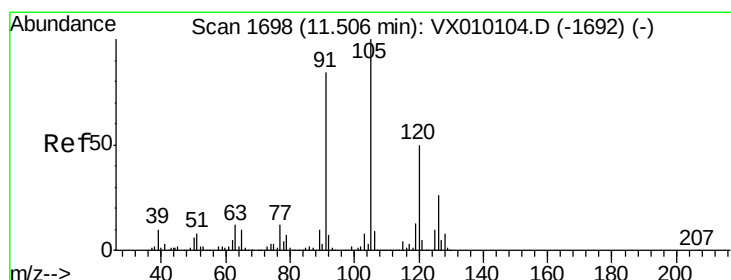
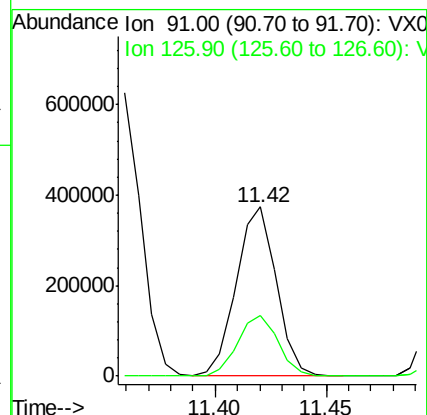
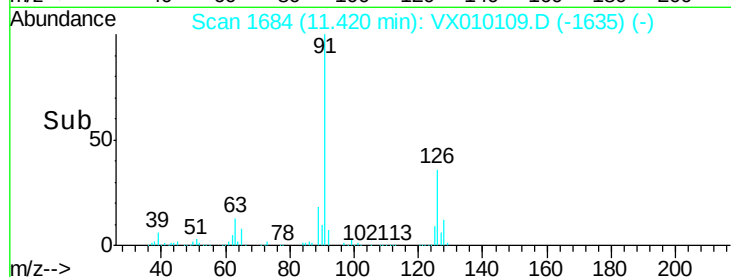
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Abundance Ion 91.00 (90.70 to 91.70): VX010109.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX010109.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.502 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010109.D

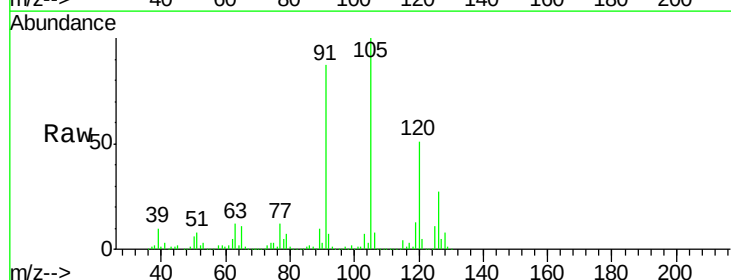
Acq: 07 Jun 2019 15:24

Tgt Ion: 105 Resp: 580130

Ion Ratio Lower Upper

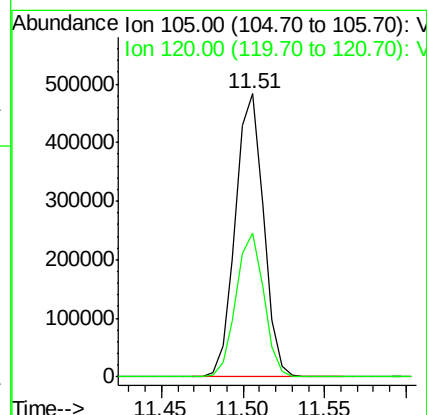
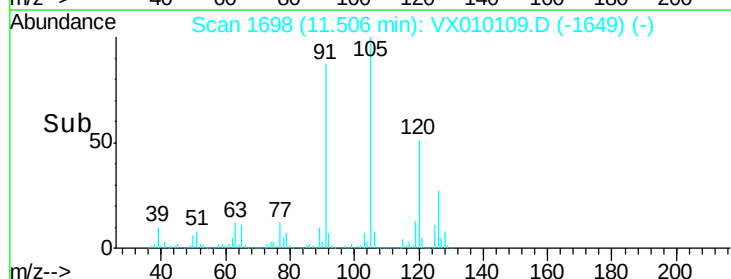
105 100

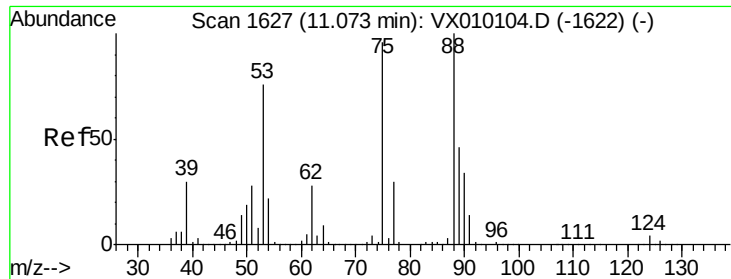
120 50.3 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010109.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX010109.D (-1649) (-)





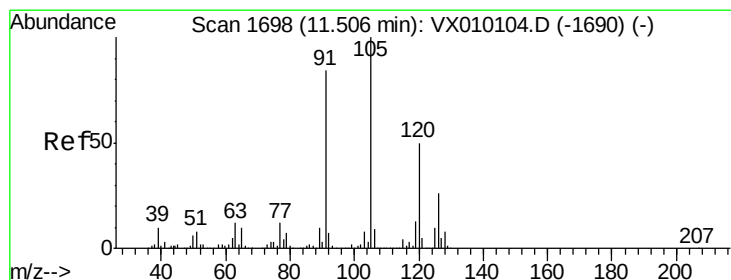
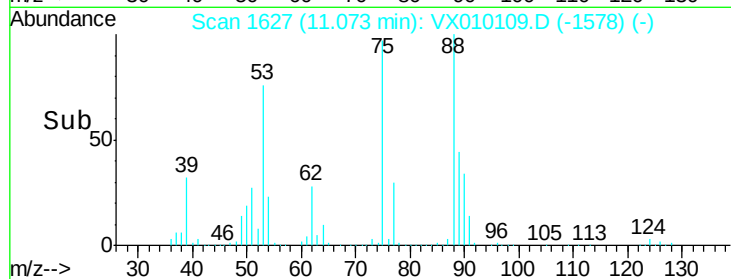
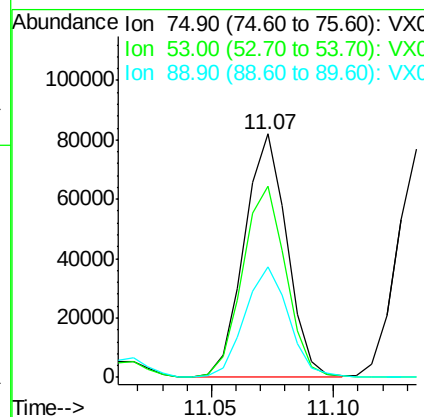
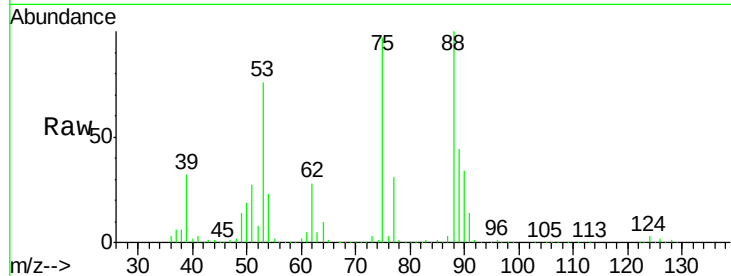
#81
trans-1,4-Dichloro-2-butene
Concen: 51.639 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.7	79.8	119.6#
89	47.0	34.2	51.4

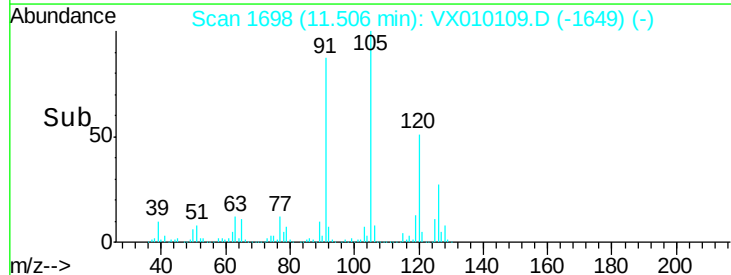
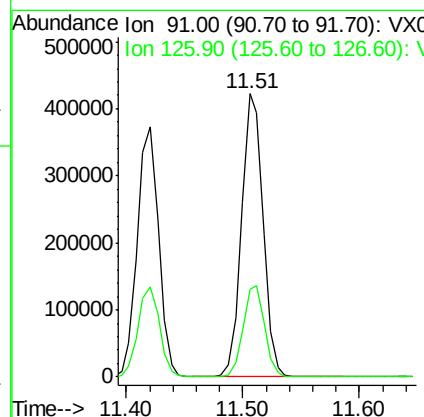
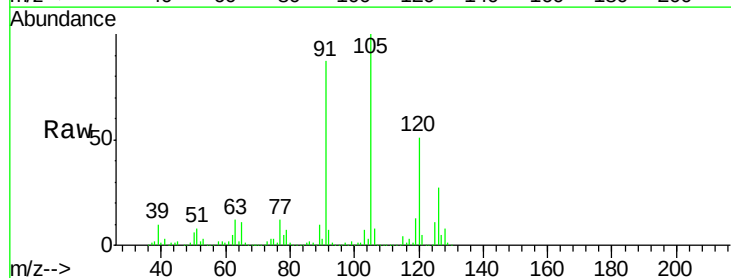
Manual Integrations
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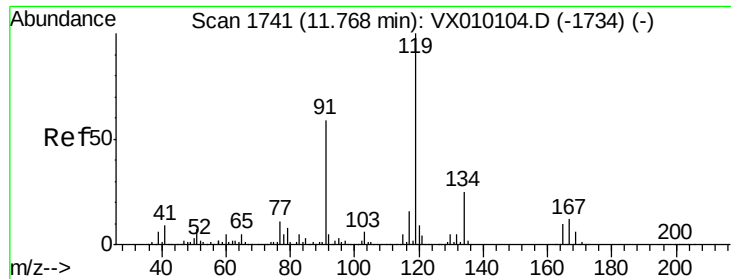
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#82
4-Chlorotoluene
Concen: 48.285 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010109.D
Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	14.2	42.6





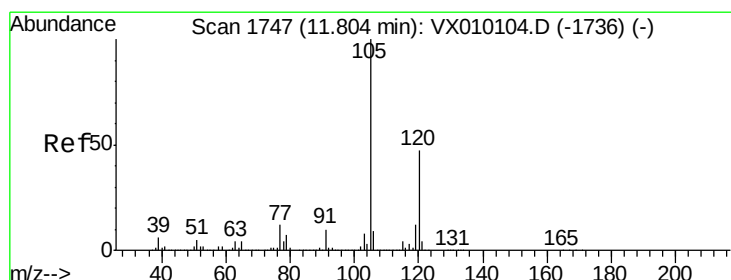
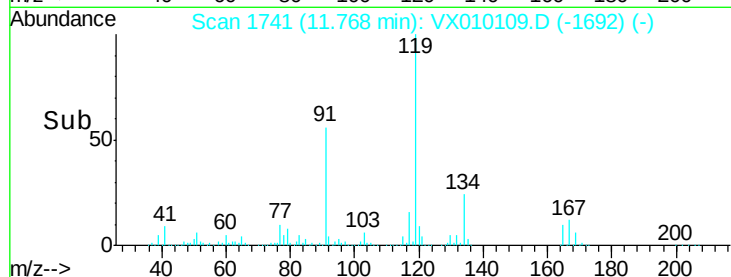
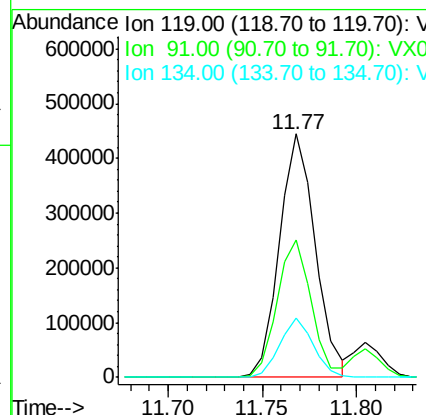
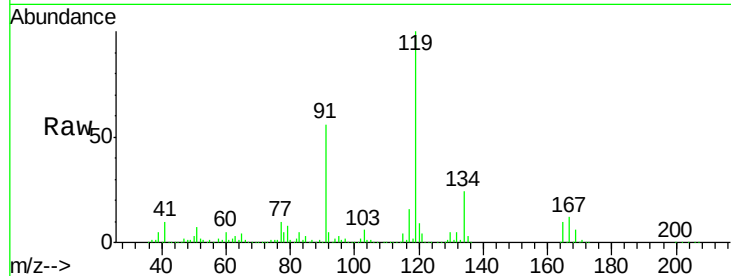
#83
 tert-Butylbenzene
 Concen: 46.446 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	586466		
91	54.2		30.0	90.0
134	22.8		11.2	33.5

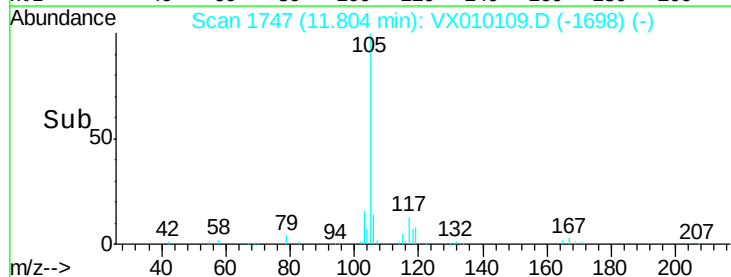
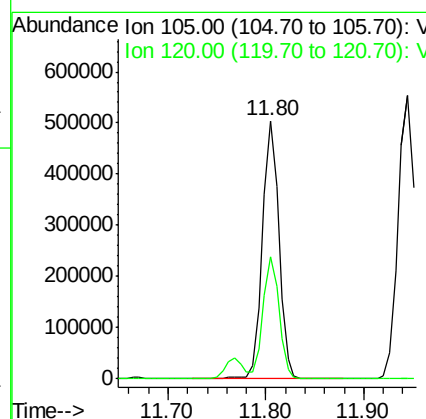
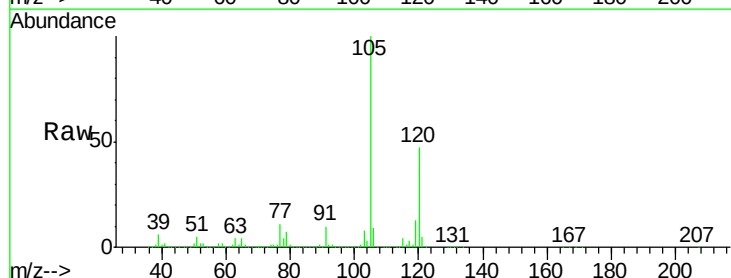
Manual Integrations
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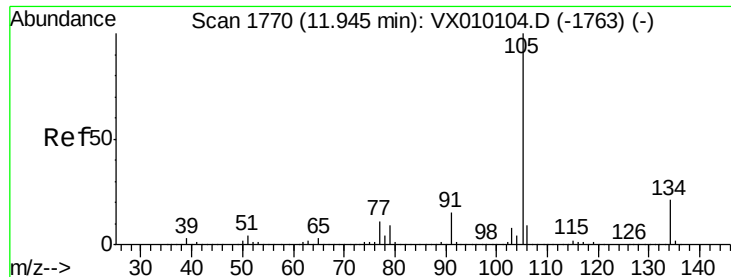
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.149 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	594131		
120	46.8		22.1	66.1





#85

sec-Butylbenzene

Concen: 45.471 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 668915

Ion Ratio Lower Upper

105 100

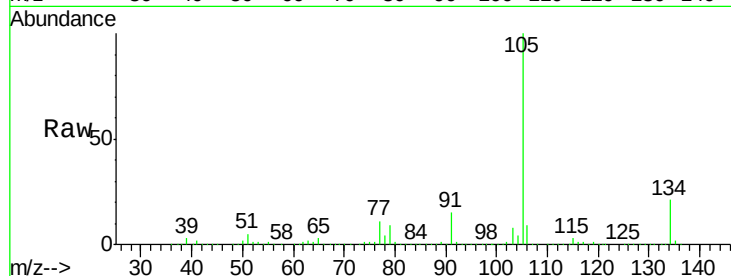
134 21.3 9.7 28.9

Manual Integrations

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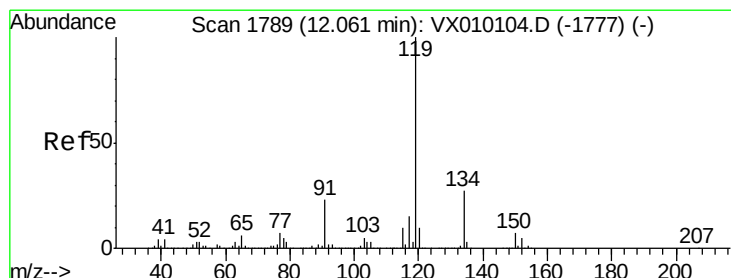
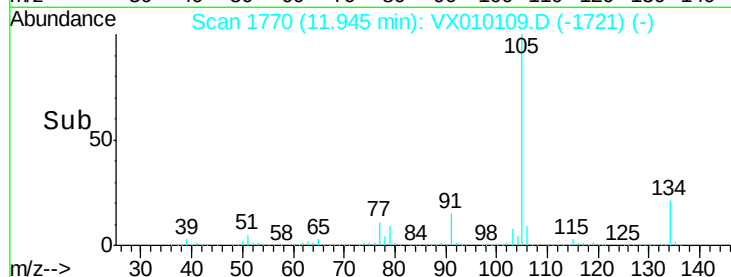
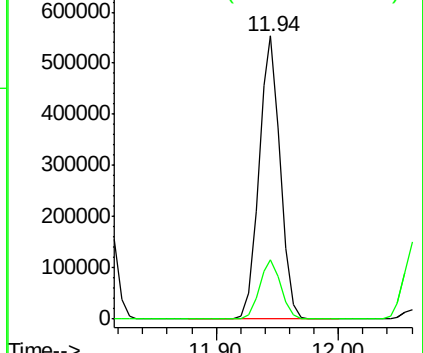
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.561 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

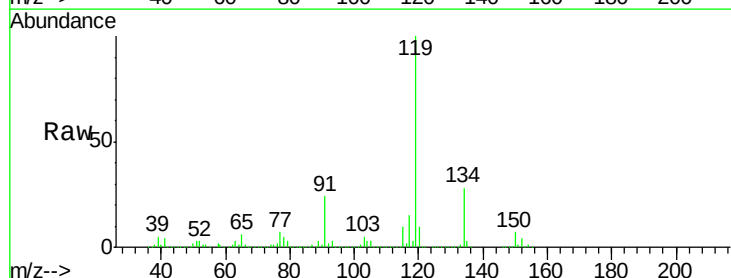
Tgt Ion:119 Resp: 626172

Ion Ratio Lower Upper

119 100

134 27.8 12.9 38.6

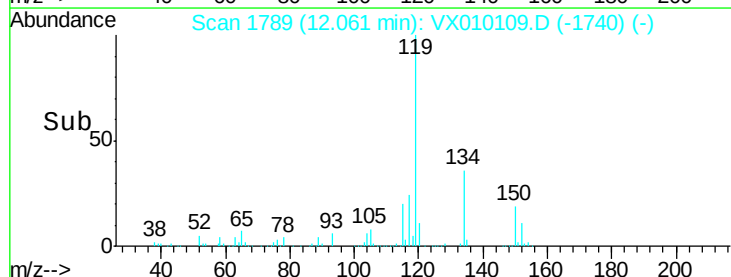
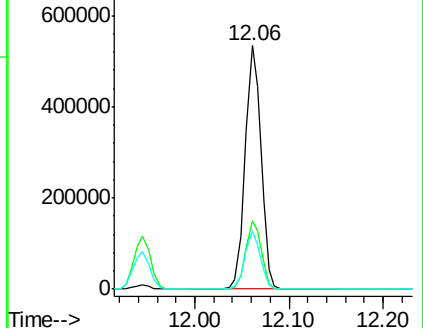
91 23.0 11.9 35.9

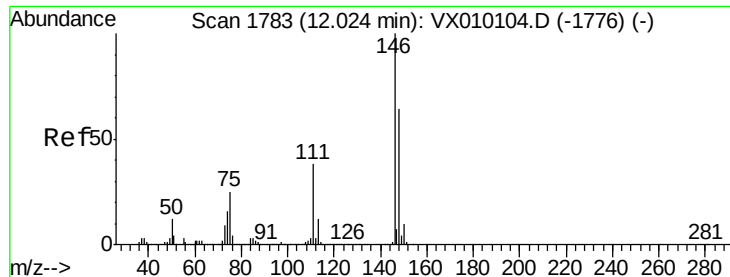


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.551 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

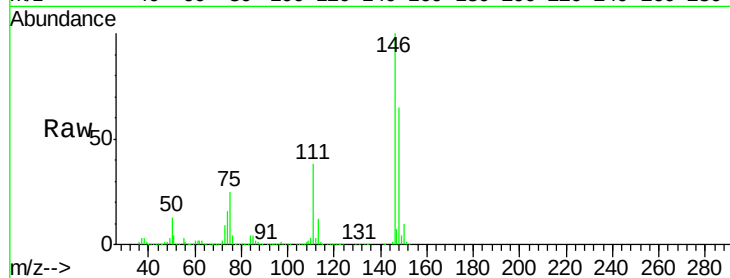
ClientSampled :

VSTDCCC050

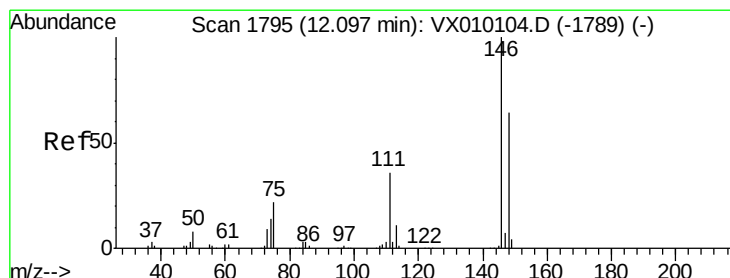
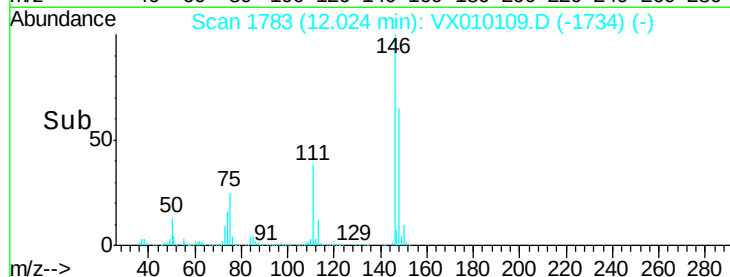
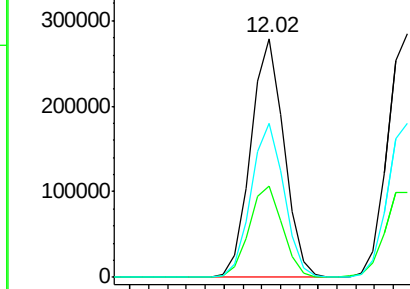
Tot Ion:	146	Resp:	341150
Ion Ratio	Lower	Upper	
146	100		
111	38.6	20.1	60.2
148	64.0	31.9	95.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.241 ug/l

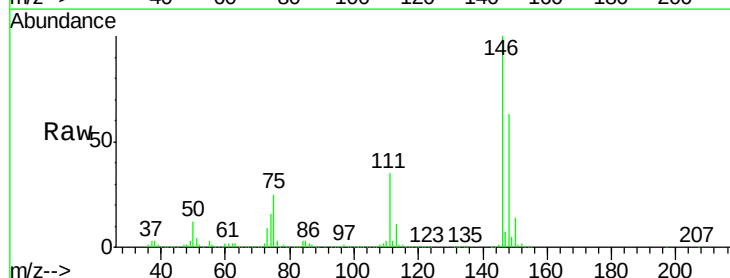
RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

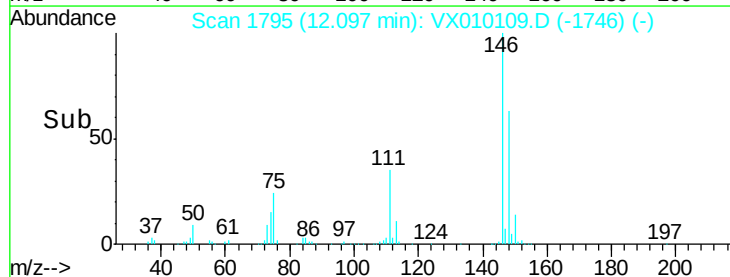
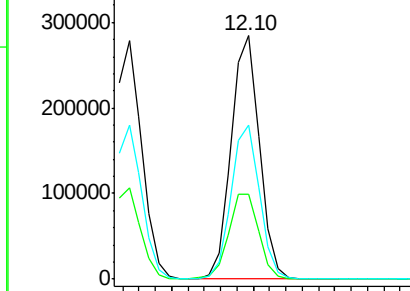
Lab File: VX010109.D

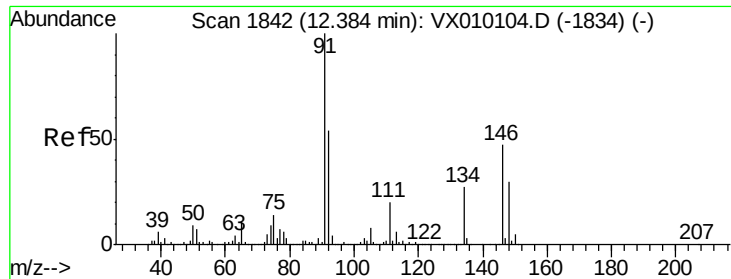
Acq: 07 Jun 2019 15:24

Tgt Ion:	146	Resp:	341663
Ion Ratio	Lower	Upper	
146	100		
111	37.3	20.0	59.9
148	63.8	32.3	96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.625 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

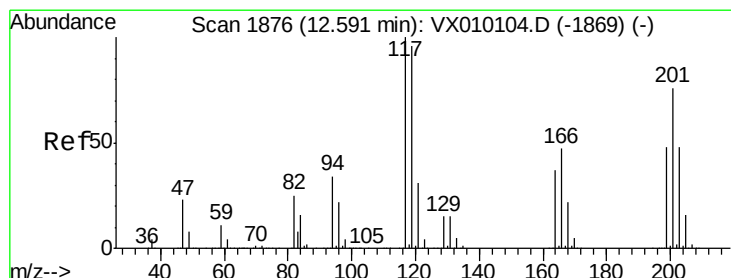
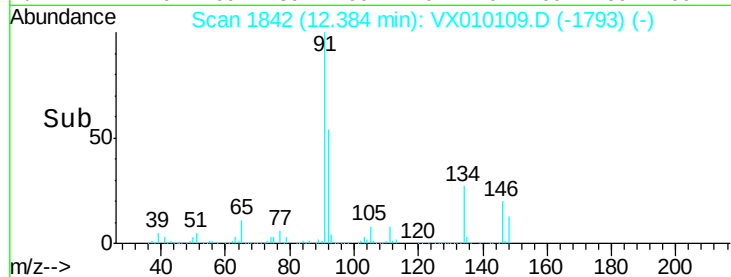
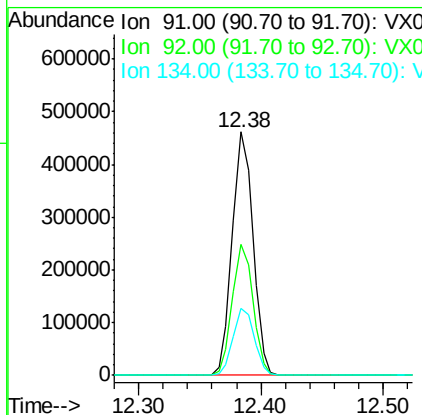
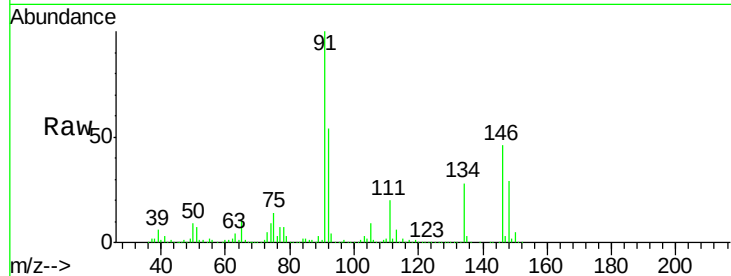
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	539743
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.3	78.8
134	28.1	12.3	36.8

Manual Integrations
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#90

Hexachloroethane

Concen: 46.190 ug/l

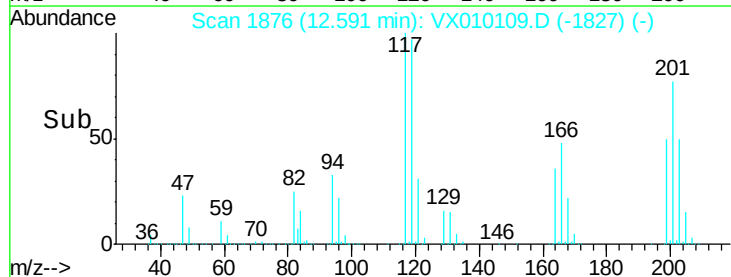
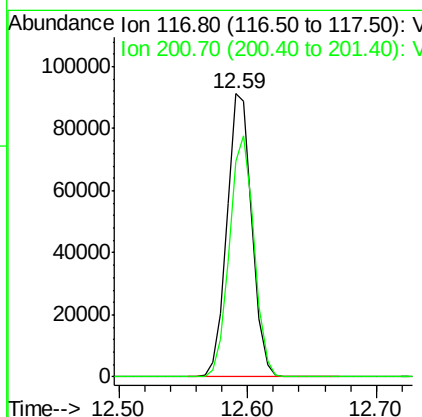
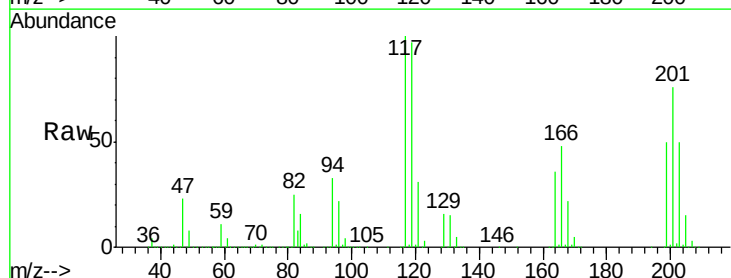
RT: 12.59 min Scan# 1876

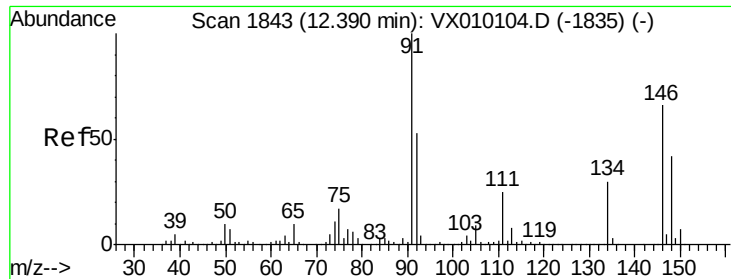
Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion:	117	Resp:	123741
Ion	Ratio	Lower	Upper
117	100		
201	84.0	43.6	130.9





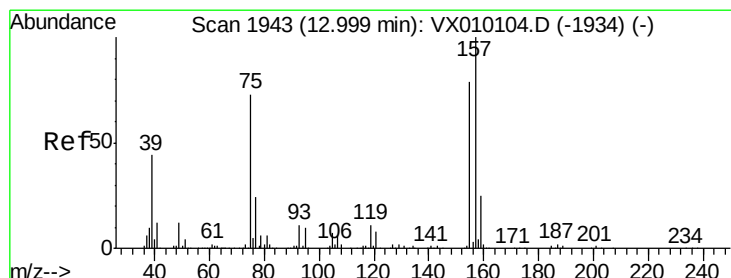
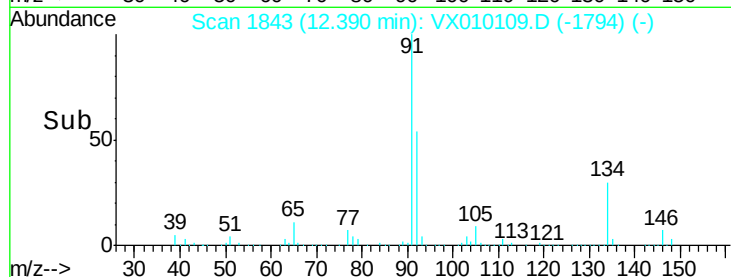
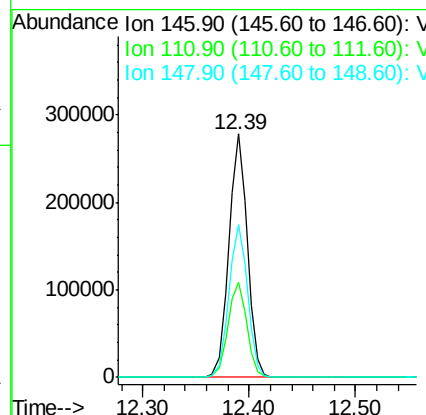
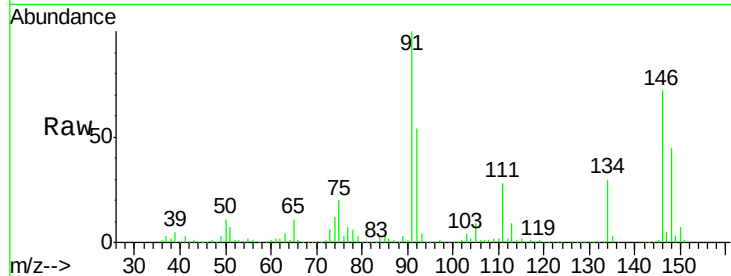
#91
 1,2-Dichlorobenzene
 Concen: 48.535 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.1	63.1
148	63.8	32.3	96.8

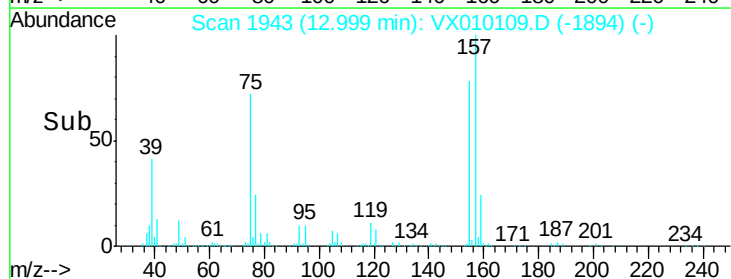
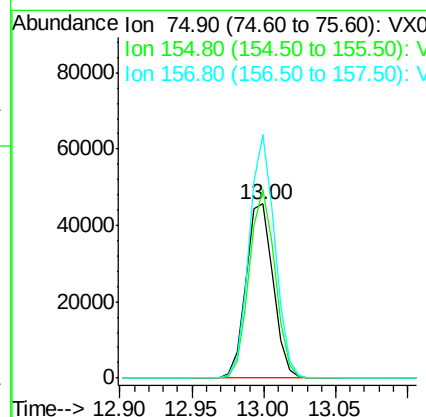
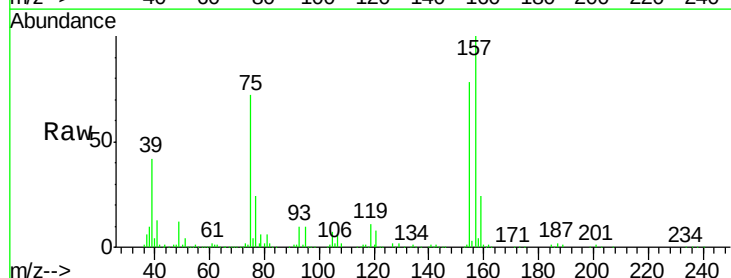
Manual Integrations
 APPROVED

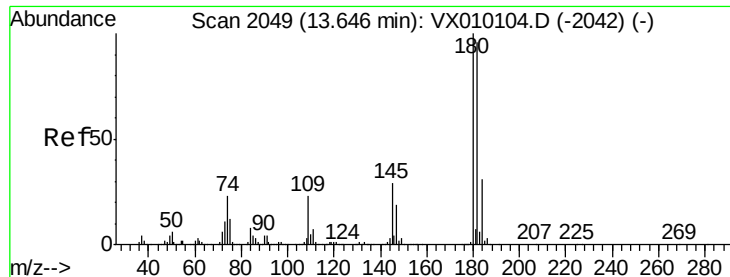
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.920 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.6	39.3	117.8
157	130.7	50.6	151.8





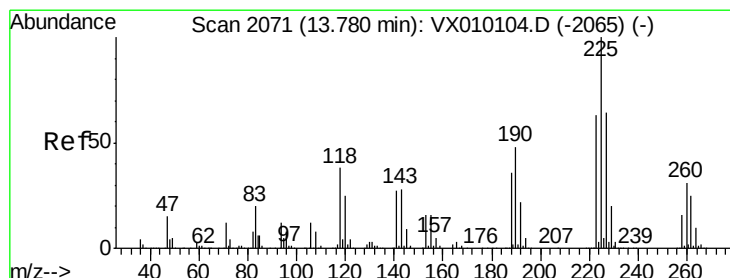
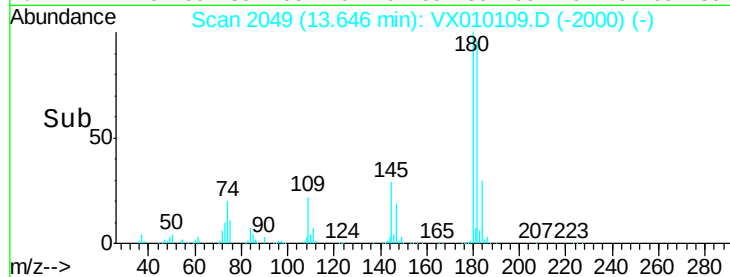
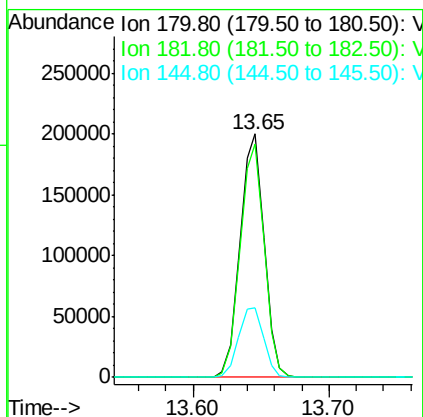
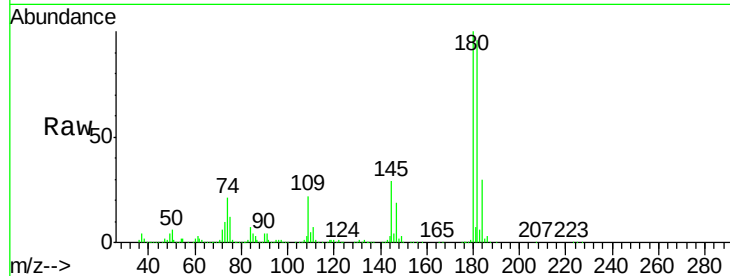
#93
 1,2,4-Trichlorobenzene
 Concen: 48.093 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	245543		
182	95.9	47.4	142.2	
145	30.2	14.5	43.5	

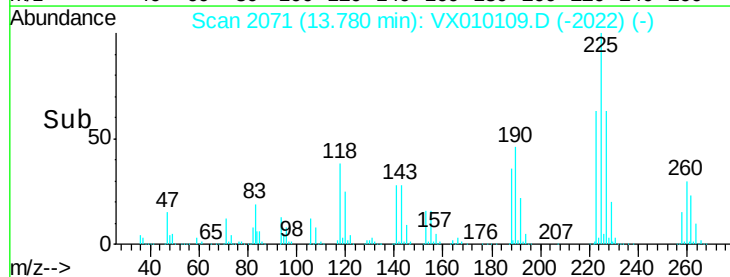
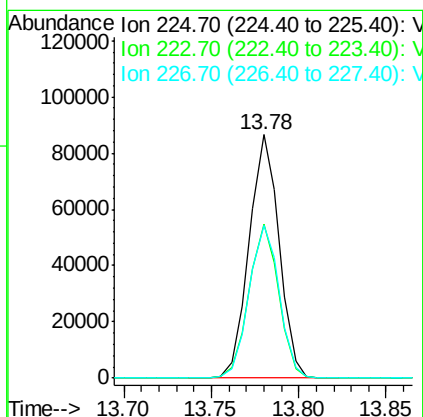
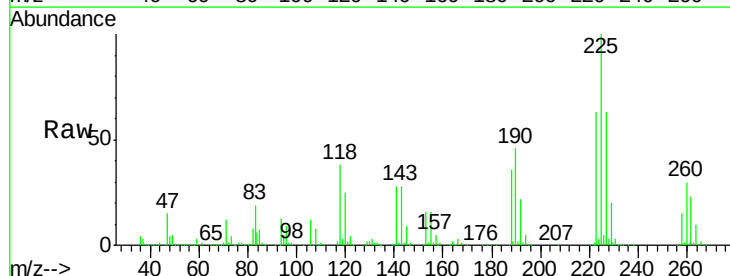
Manual Integrations
 APPROVED

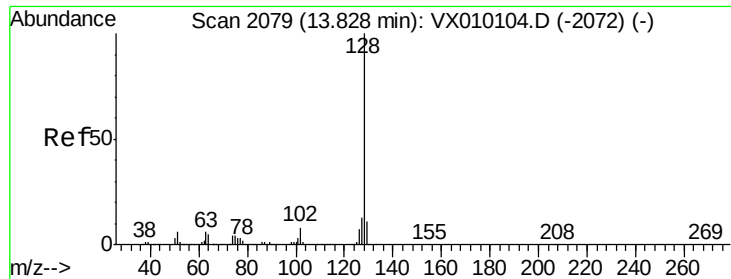
MMDadoda
 6/10/2019 10:52:44 AM



#94
 Hexachlorobutadiene
 Concen: 45.372 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010109.D
 Acq: 07 Jun 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	103021		
223	62.6	31.3	93.8	
227	63.4	32.3	96.8	





#95

Naphthalene

Concen: 50.383 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Instrument :

MSVOA_X

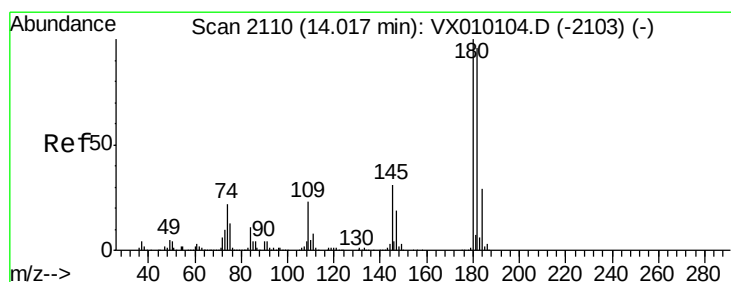
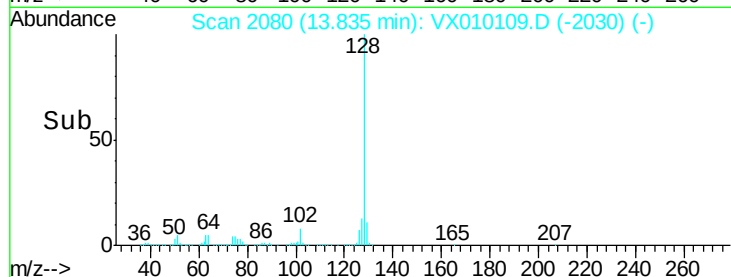
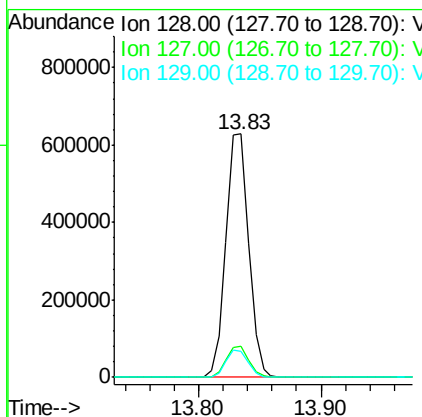
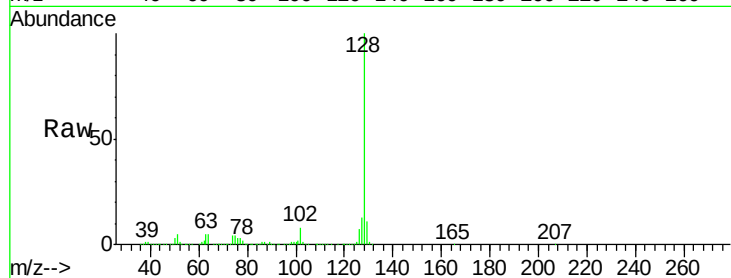
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	809755
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	16.0
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:52:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.656 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010109.D

Acq: 07 Jun 2019 15:24

Tgt Ion:	180	Resp:	245622
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	32.0	15.6	46.7

