

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010241.D
 Acq On : 12 Jun 2019 11:00
 Operator : JC/SP
 Sample : VX0612WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:17:36 AM

Quant Time: Jun 13 01:48:02 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	317617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	464797	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	421428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	143843	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
35) Dibromofluoromethane	5.49	113	145954	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	8.71	98	554146	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	11.13	95	201109	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56155	19.215	ug/l	95
3) Chloromethane	1.32	50	51023	17.580	ug/l	97
4) Vinyl Chloride	1.40	62	54941	20.141	ug/l	97
5) Bromomethane	1.64	94	27510	26.725	ug/l	98
6) Chloroethane	1.72	64	32980	23.980	ug/l	97
7) Trichlorofluoromethane	1.93	101	85111	21.005	ug/l	97
8) Diethyl Ether	2.18	74	31014	22.207	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50130	17.948	ug/l	93
10) Methyl Iodide	2.51	142	73729	17.037	ug/l	97
11) Tert butyl alcohol	3.04	59	72503	95.463	ug/l	98
12) 1,1-Dichloroethene	2.37	96	47702	16.721	ug/l	84
13) Acrolein	2.29	56	10203	73.676	ug/l	96
14) Allyl chloride	2.73	41	71988	16.717	ug/l #	86
15) Acrylonitrile	3.14	53	138210	89.031	ug/l	98
16) Acetone	2.44	43	133323	91.430	ug/l #	87
17) Carbon Disulfide	2.57	76	128483	15.586	ug/l	98
18) Methyl Acetate	2.77	43	56820	17.718	ug/l #	79
19) Methyl tert-butyl Ether	3.19	73	159004	17.348	ug/l	95
20) Methylene Chloride	2.85	84	55934	17.466	ug/l #	77
21) trans-1,2-Dichloroethene	3.17	96	53330	16.892	ug/l #	79
22) Diisopropyl ether	3.85	45	147335	17.895	ug/l #	84
23) Vinyl Acetate	3.81	43	652207	88.794	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	87290	17.461	ug/l	95
25) 2-Butanone	4.67	43	196286	90.396	ug/l #	86
26) 2,2-Dichloropropane	4.58	77	77632	17.023	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	61951	17.638	ug/l	80
28) Bromochloromethane	5.01	49	39323	17.552	ug/l #	48
29) Tetrahydrofuran	5.13	42	117337	85.985	ug/l #	74
30) Chloroform	5.20	83	91162	17.559	ug/l	98
31) Cyclohexane	5.58	56	79840	17.696	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	82246	16.851	ug/l	93
36) 1,1-Dichloropropene	5.79	75	67533	17.809	ug/l	92
37) Ethyl Acetate	4.83	43	70593	17.892	ug/l #	92
38) Carbon Tetrachloride	5.78	117	76911	17.919	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	92720	17.957	ug/l #	84
40) Benzene	6.14	78	215314	18.363	ug/l	100
41) Methacrylonitrile	5.04	41	37277	17.466	ug/l #	83
42) 1,2-Dichloroethane	6.19	62	66301	17.711	ug/l	93
43) Isopropyl Acetate	6.44	43	116022	17.587	ug/l #	89
44) Trichloroethene	7.21	130	64851	18.348	ug/l	86
45) 1,2-Dichloropropane	7.51	63	53982	18.393	ug/l	97
46) Dibromomethane	7.66	93	38394	17.462	ug/l	90
47) Bromodichloromethane	7.90	83	73577	17.908	ug/l #	98
48) Methyl methacrylate	7.77	41	54247	17.583	ug/l #	77
49) 1,4-Dioxane	7.74	88	32875	373.743	ug/l #	79
51) 4-Methyl-2-Pentanone	8.64	43	369837	93.844	ug/l	90
52) Toluene	8.78	92	140044	18.169	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	81329	17.114	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	89029	17.475	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	59616	18.886	ug/l	97
56) Ethyl methacrylate	9.18	69	89341	17.917	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	92244	18.561	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	214489	91.243	ug/l #	86
59) 2-Hexanone	9.49	43	295315	93.984	ug/l	88
60) Dibromochloromethane	9.58	129	67877	18.179	ug/l	99
61) 1,2-Dibromoethane	9.67	107	63214	17.980	ug/l	98
64) Tetrachloroethene	9.34	164	60813	19.429	ug/l	97
65) Chlorobenzene	10.13	112	162065	18.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	61200	18.297	ug/l	99
67) Ethyl Benzene	10.25	91	273394	18.464	ug/l	94
68) m/p-Xylenes	10.35	106	216921	37.858	ug/l	88
69) o-Xylene	10.69	106	106221	18.649	ug/l	88
70) Styrene	10.71	104	179395	18.597	ug/l	94
71) Bromoform	10.85	173	54137	17.606	ug/l #	100
73) Isopropylbenzene	11.02	105	278370	18.073	ug/l	94
74) N-amyl acetate	10.90	43	106429	17.481	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	92459	17.537	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	76079m	17.239	ug/l	
77) Bromobenzene	11.26	156	76771	18.126	ug/l	79
78) n-propylbenzene	11.36	91	310806	18.126	ug/l	94
79) 2-Chlorotoluene	11.42	91	180953	17.571	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	236051	18.196	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	32088	16.064	ug/l	84
82) 4-Chlorotoluene	11.51	91	208978	17.863	ug/l	90
83) tert-Butylbenzene	11.77	119	237163	18.062	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	235285	17.956	ug/l	94
85) sec-Butylbenzene	11.94	105	278954	18.236	ug/l	95
86) p-Isopropyltoluene	12.06	119	258884	18.512	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	138147	18.517	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	136325	18.127	ug/l	98
89) n-Butylbenzene	12.38	91	219601	18.243	ug/l	97
90) Hexachloroethane	12.60	117	46583	16.722	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	137173	18.913	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19979	16.103	ug/l	65

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ClientSampleId :
VX0612WBS01

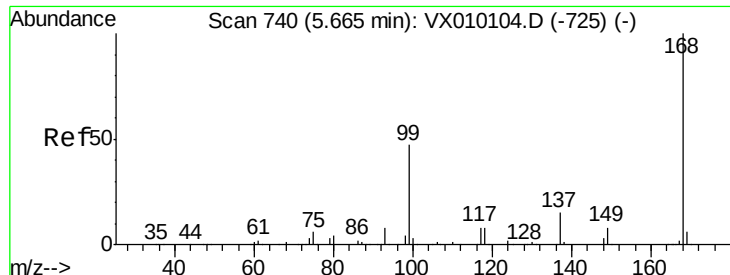
Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:17:36 AM

Quant Time: Jun 13 01:48:02 2019
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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)
93) 1,2,4-Trichlorobenzene	13.65	180	98870	18.623	ug/l	99
94) Hexachlorobutadiene	13.78	225	46508	19.697	ug/l	100
95) Naphthalene	13.83	128	298971	17.889	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	100752	19.193	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: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion:168 Resp: 317617

Ion Ratio Lower Upper

168 100

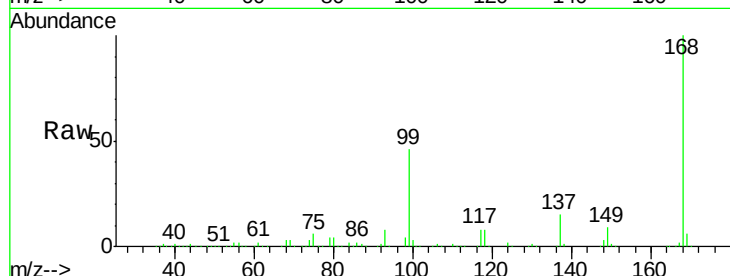
99 45.8 43.0 64.6

Manual Integrations

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6/13/2019 9:17:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

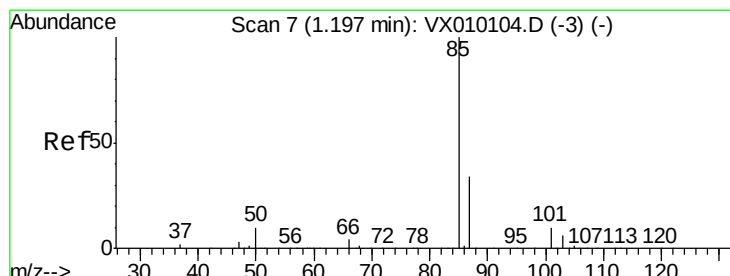
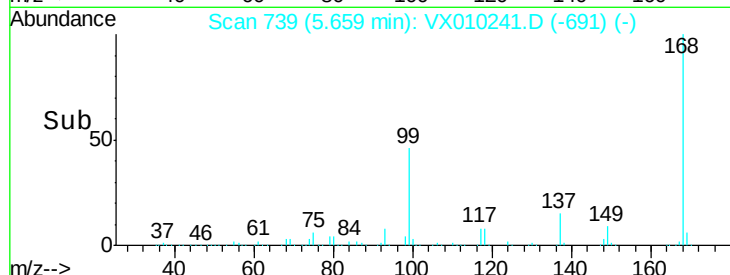
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.215 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010241.D

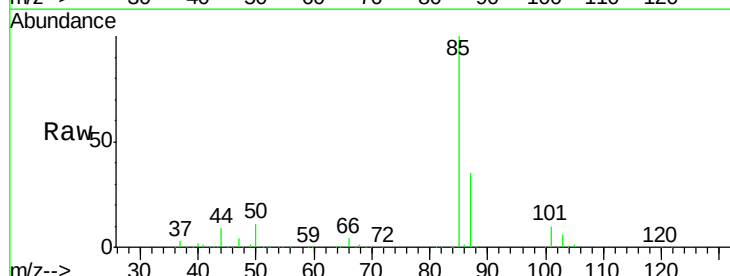
Acq: 12 Jun 2019 11:00

Tgt Ion: 85 Resp: 56155

Ion Ratio Lower Upper

85 100

87 34.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

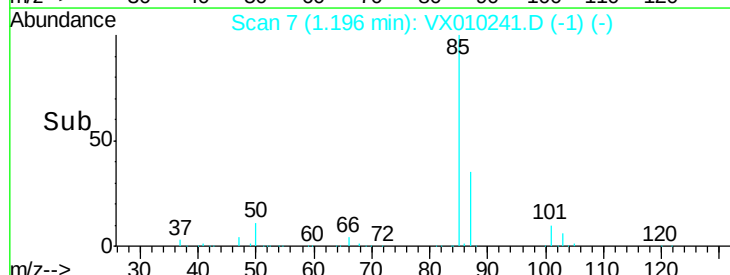
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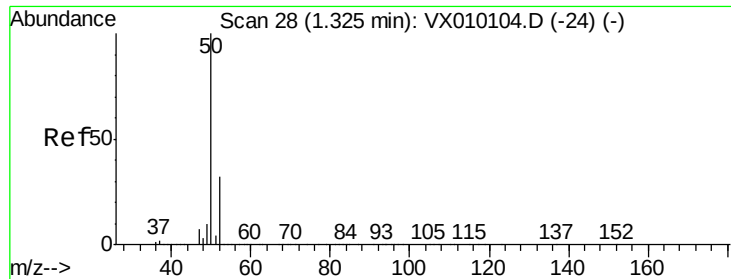
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.580 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 50 Resp: 51023

Ion Ratio Lower Upper

50 100

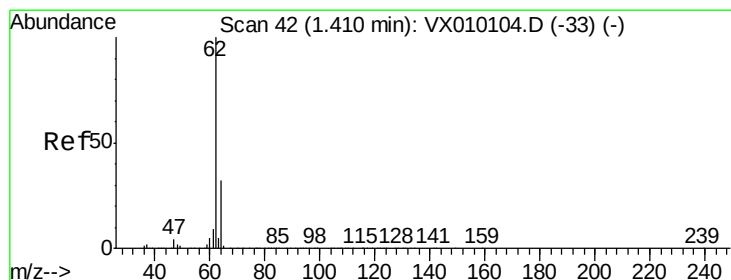
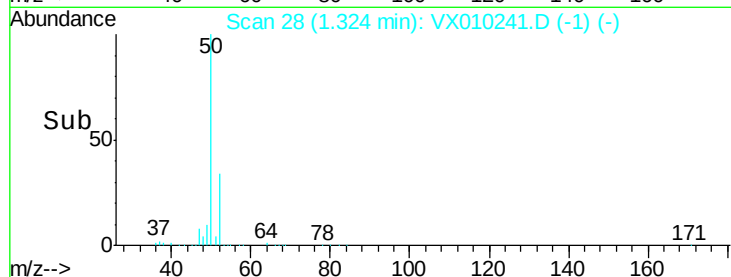
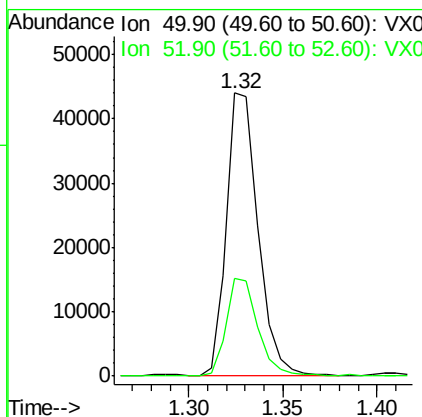
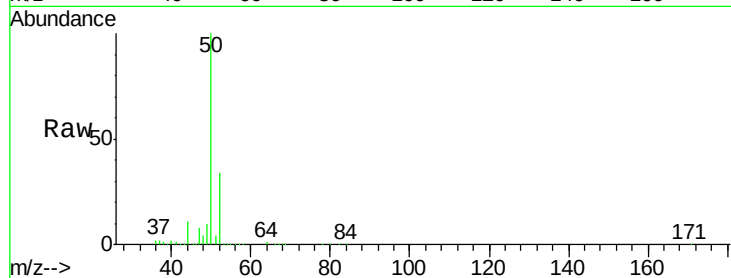
52 34.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.141 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010241.D

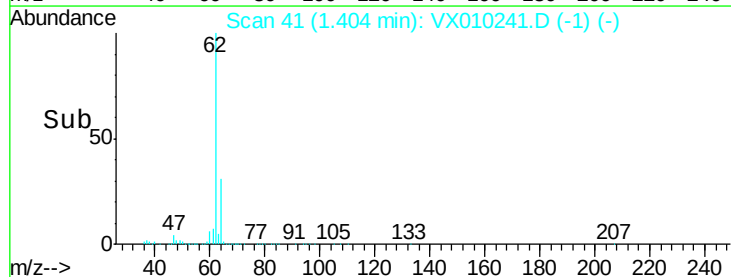
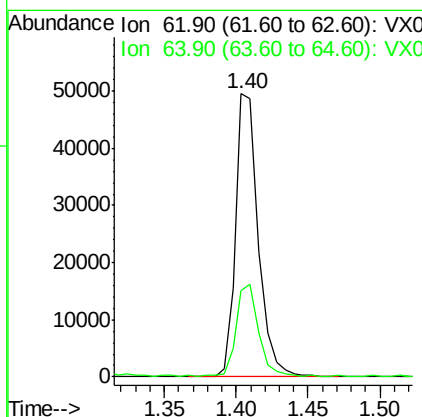
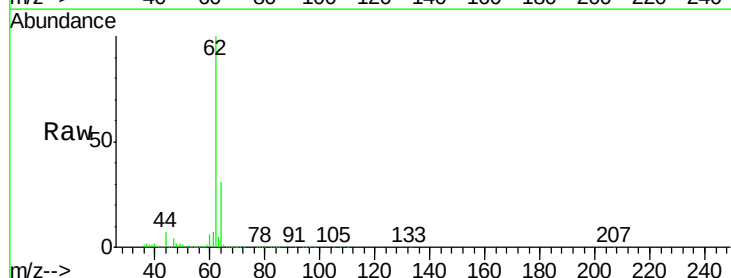
Acq: 12 Jun 2019 11:00

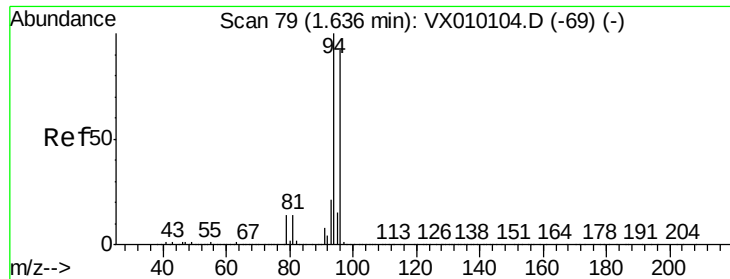
Tgt Ion: 62 Resp: 54941

Ion Ratio Lower Upper

62 100

64 30.2 25.7 38.5





#5

Bromomethane

Concen: 26.725 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 94 Resp: 27510

Ion Ratio Lower Upper

94 100

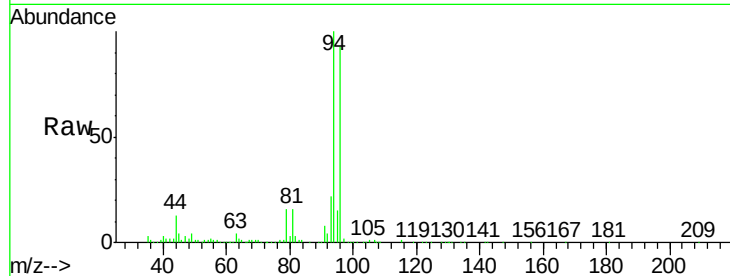
96 93.3 76.2 114.4

Manual Integrations

APPROVED

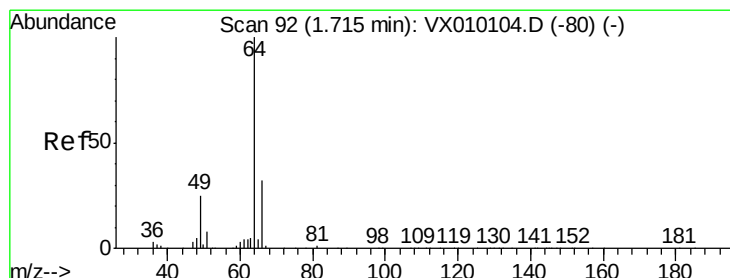
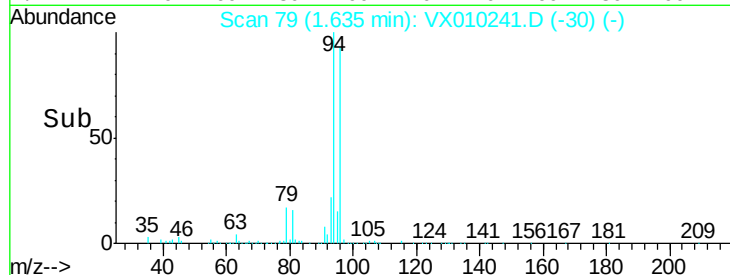
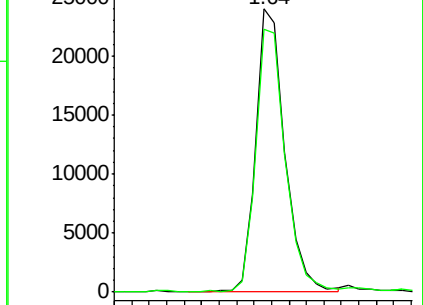
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 23.980 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010241.D

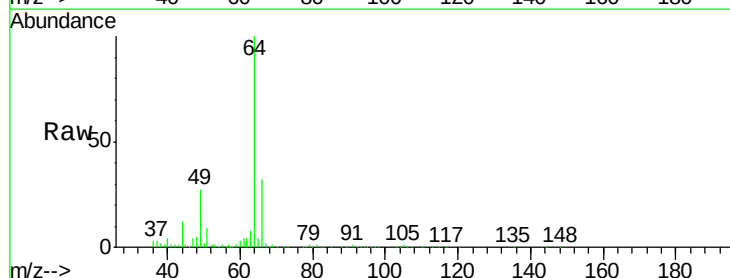
Acq: 12 Jun 2019 11:00

Tgt Ion: 64 Resp: 32980

Ion Ratio Lower Upper

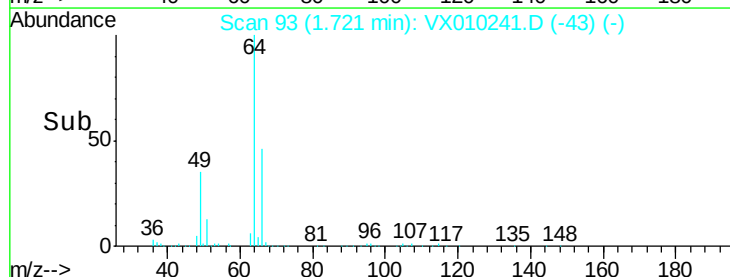
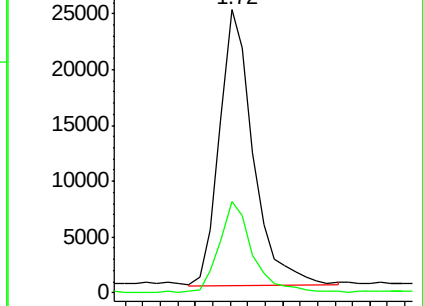
64 100

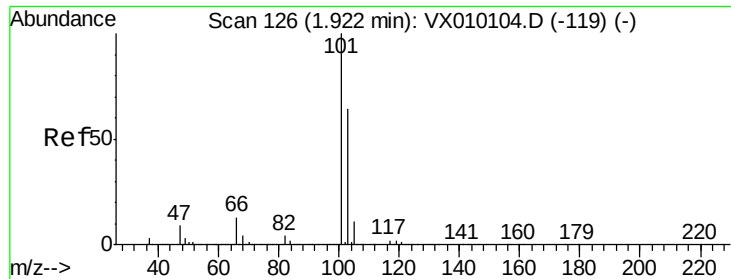
66 32.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

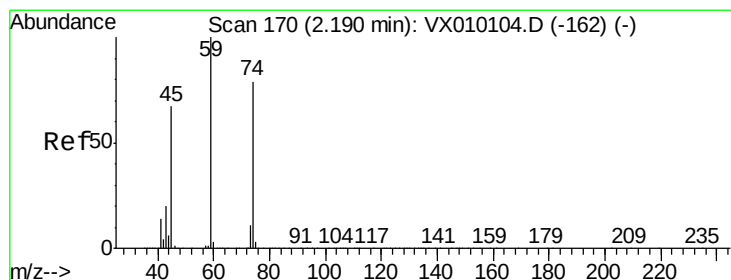
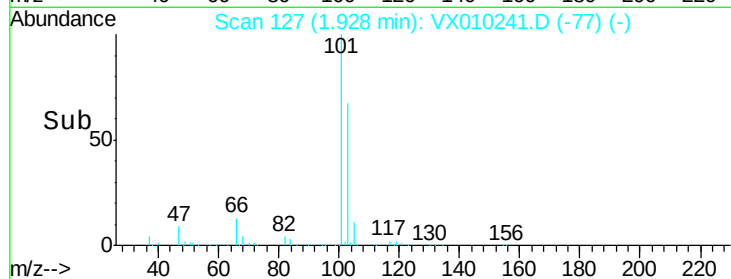
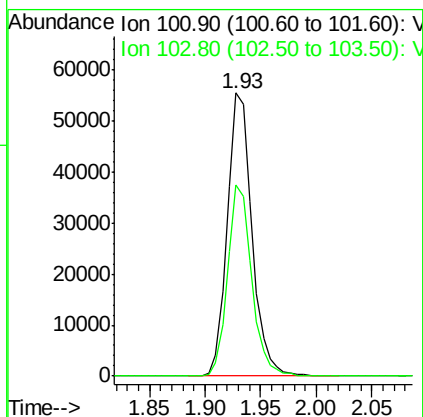
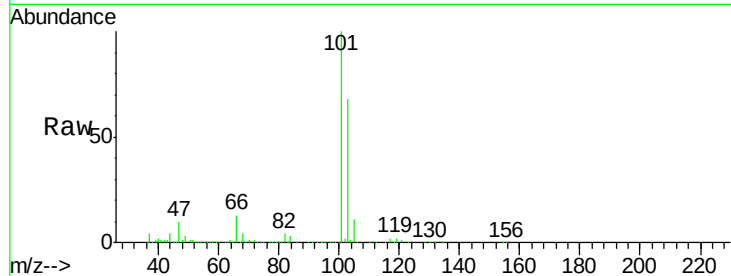
Trichlorofluoromethane
Concen: 21.005 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
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ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	52.2	78.4

Manual Integrations
APPROVED

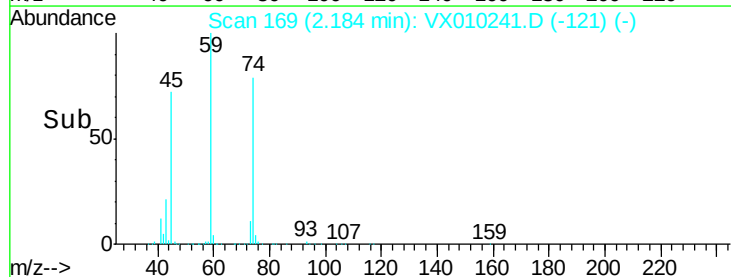
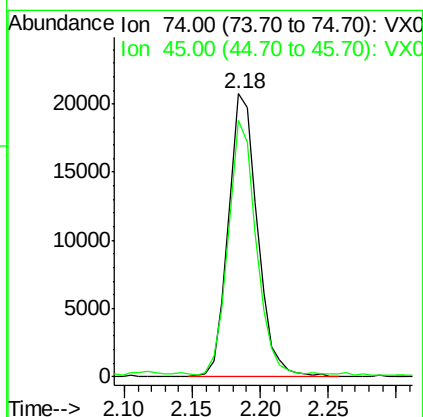
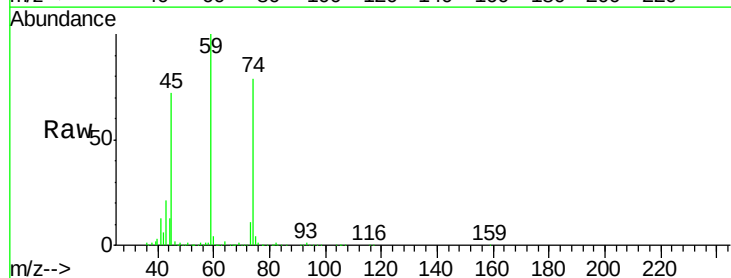
MMDadoda
6/13/2019 9:17:36 AM

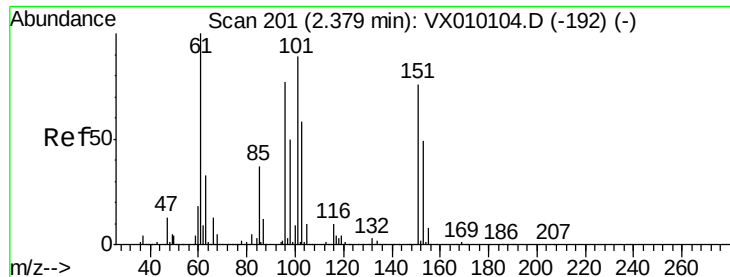


#8

Diethyl Ether
Concen: 22.207 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.0	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.948 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

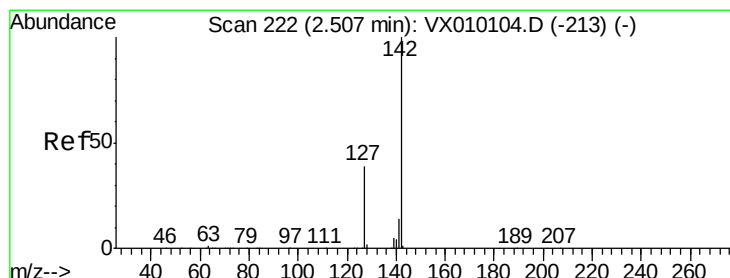
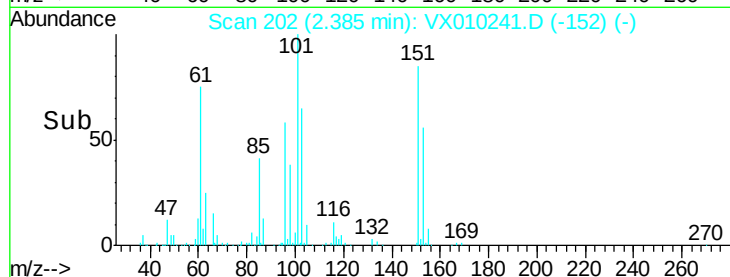
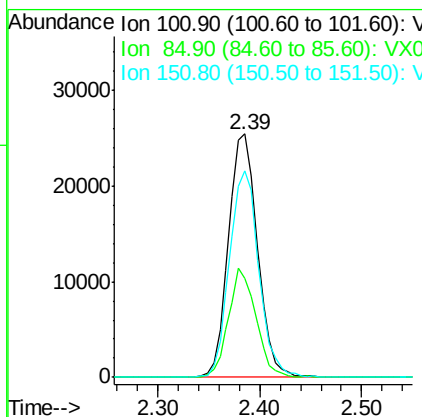
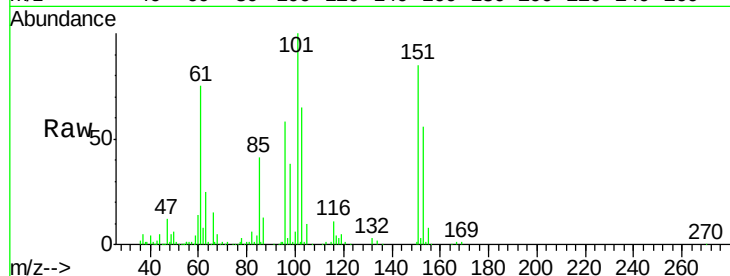
ClientSampleId :

VX0612WBS01

Tot Ion:	101	Resp:	50130
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.2	52.8
151	85.8	61.9	92.9

Manual Integrations
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MMDadoda
6/13/2019 9:17:36 AM



#10

Methyl Iodide

Concen: 17.037 ug/l

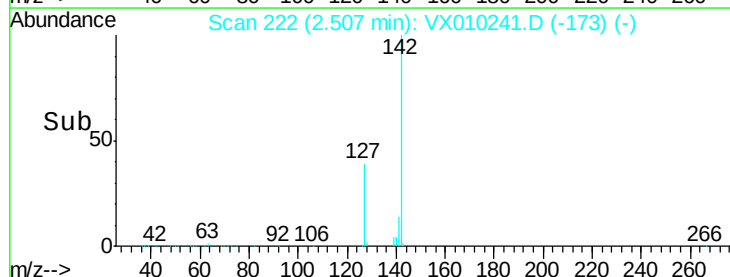
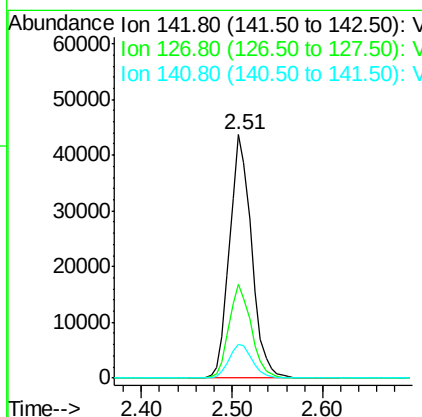
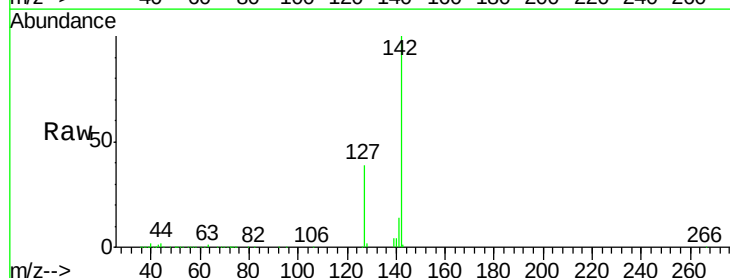
RT: 2.51 min Scan# 222

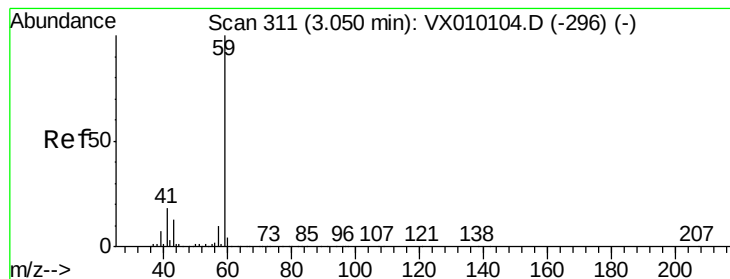
Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Tgt Ion:	142	Resp:	73729
Ion Ratio	Lower	Upper	
142	100		
127	39.0	33.0	49.4
141	14.5	11.4	17.0





#11

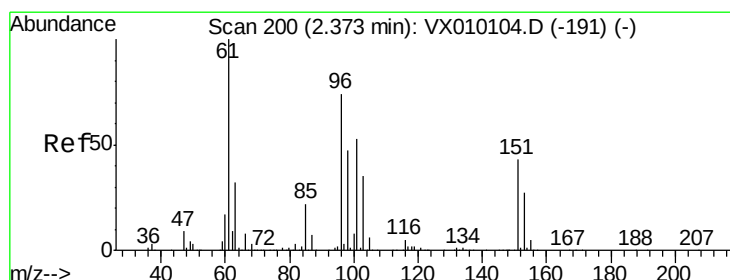
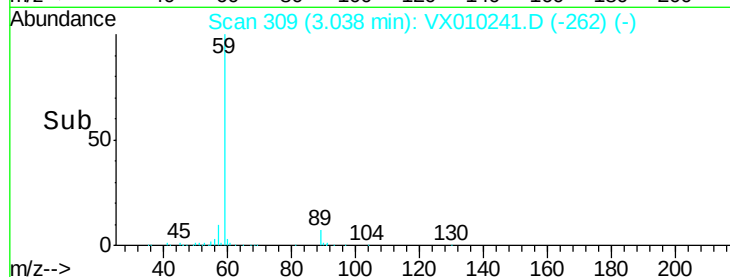
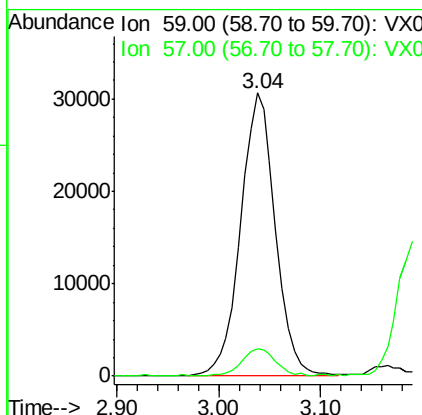
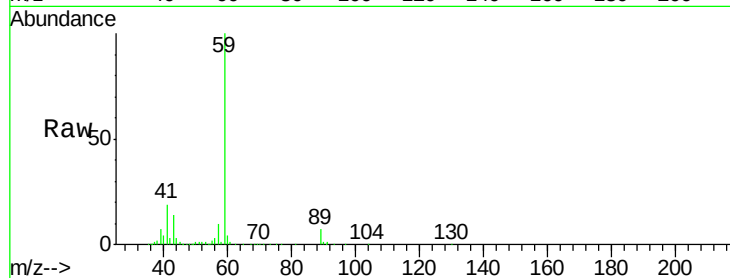
Tert butyl alcohol
Concen: 95.463 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	59	Resp	72503
Ion Ratio	100	Lower	Upper
57	9.5	8.2	12.2

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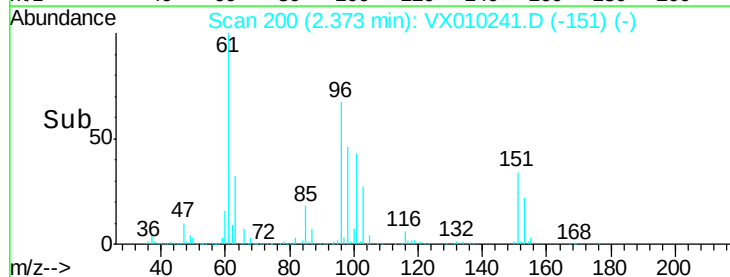
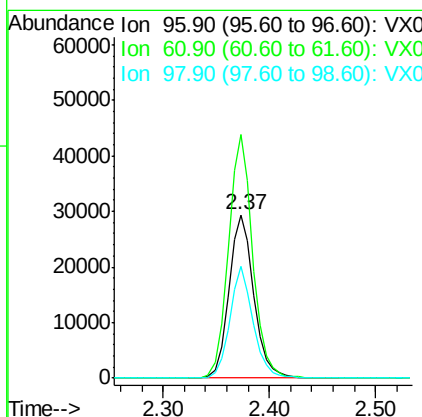
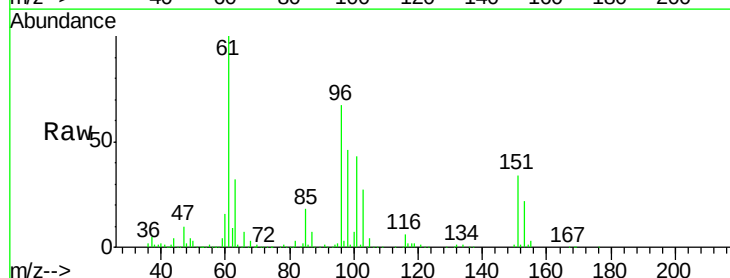
MMDadoda
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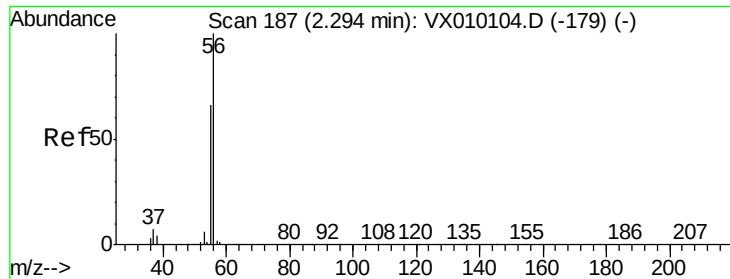


#12

1,1-Dichloroethene
Concen: 16.721 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	96	Resp	47702
Ion Ratio	100	Lower	Upper
61	149.4	140.7	211.1
98	68.5	50.1	75.1





#13

Acrolein

Concen: 73.676 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 56 Resp: 10203

Ion Ratio Lower Upper

56 100

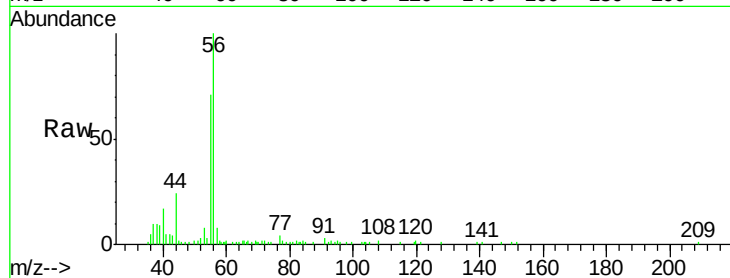
55 74.6 57.0 85.4

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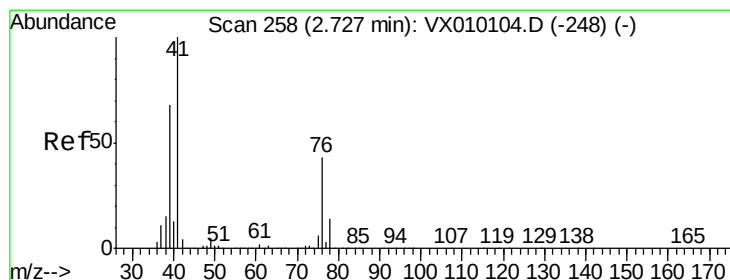
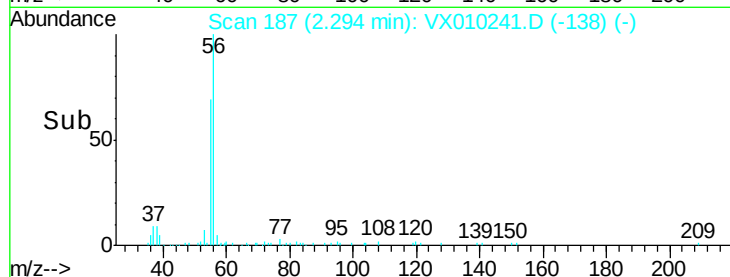
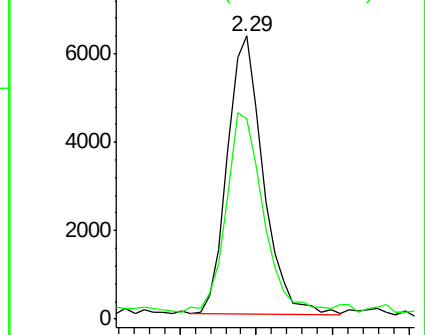
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 16.717 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

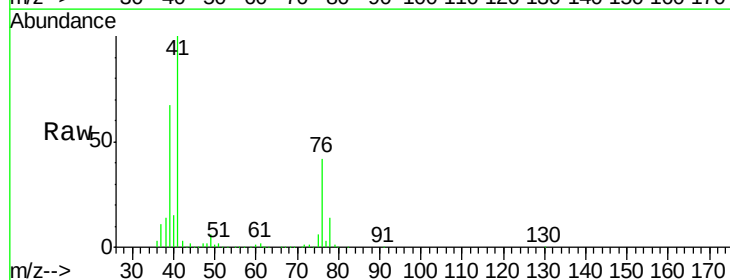
Tgt Ion: 41 Resp: 71988

Ion Ratio Lower Upper

41 100

39 63.8 46.7 70.1

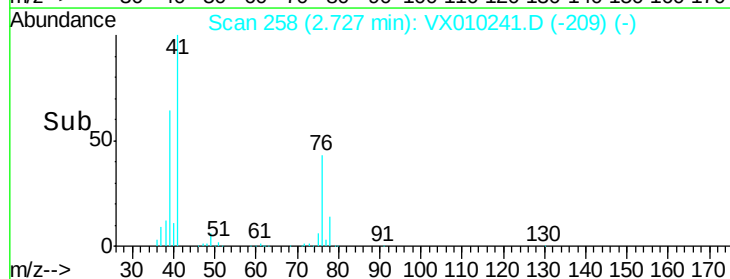
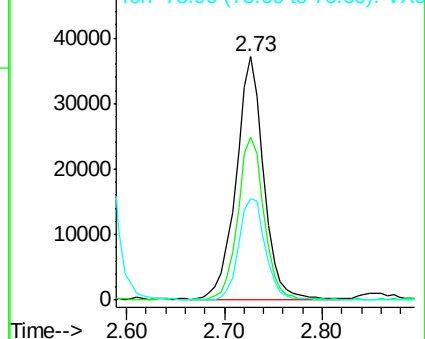
76 40.9 21.0 31.4#

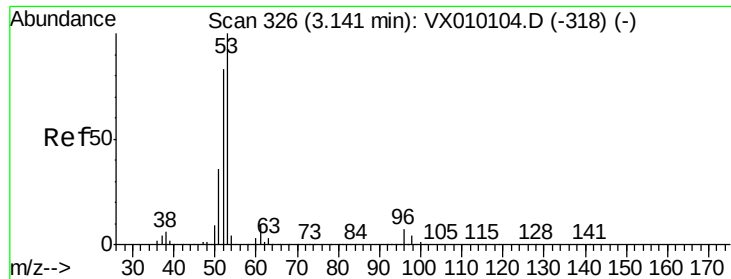


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 89.031 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

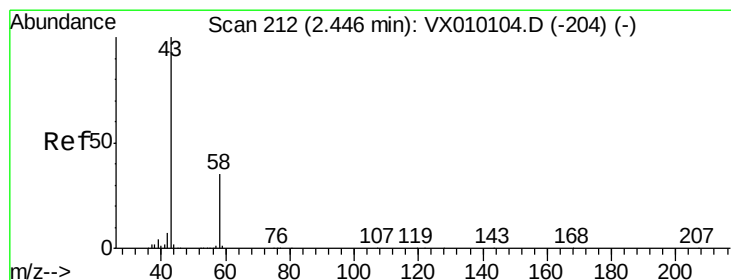
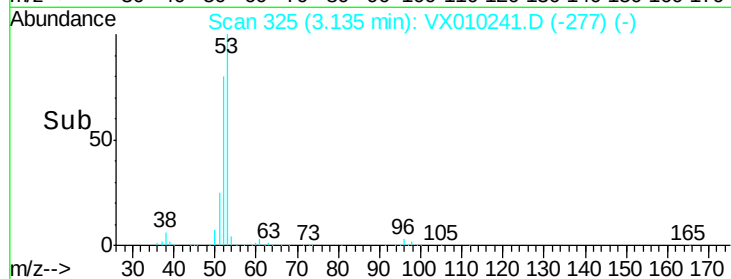
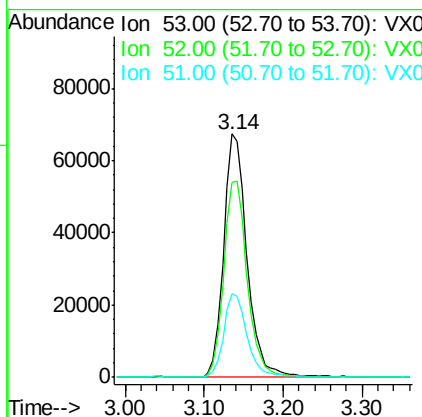
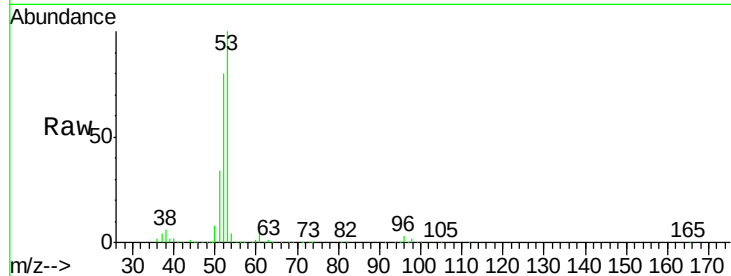
ClientSampleId :

VX0612WBS01

Tot Ion:	53	Resp:	138210
Ion Ratio		Lower	Upper
53	100		
52	81.3	66.7	100.1
51	34.5	28.8	43.2

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#16

Acetone

Concen: 91.430 ug/l

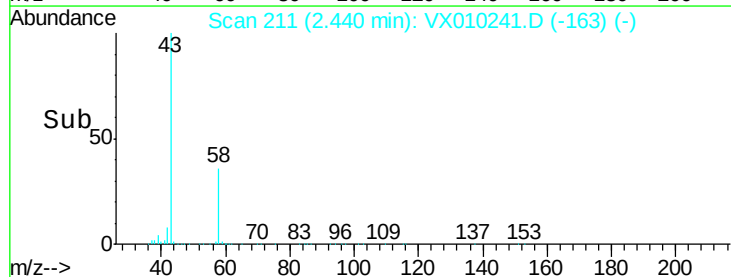
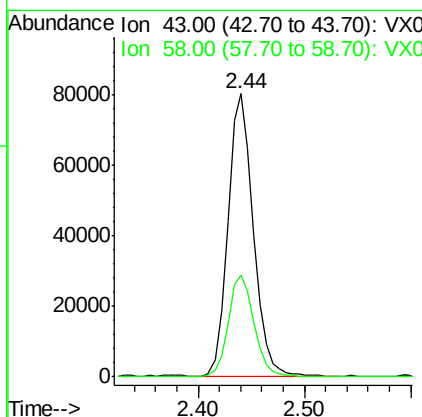
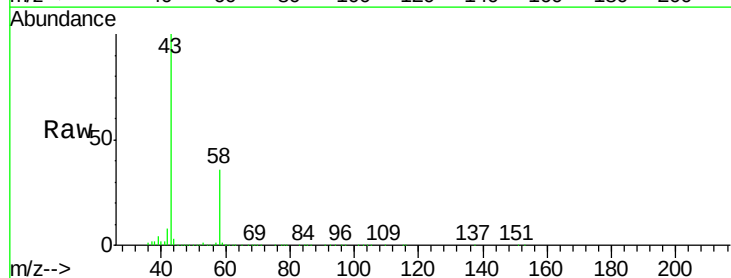
RT: 2.44 min Scan# 211

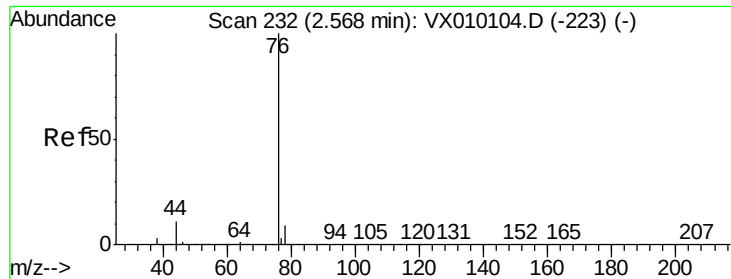
Delta R.T. -0.01 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Tgt Ion:	43	Resp:	133323
Ion Ratio		Lower	Upper
43	100		
58	36.0	23.2	34.8#





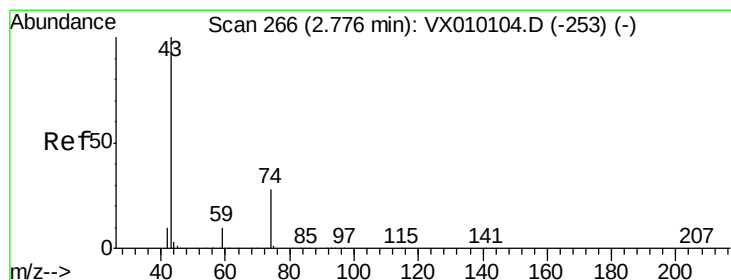
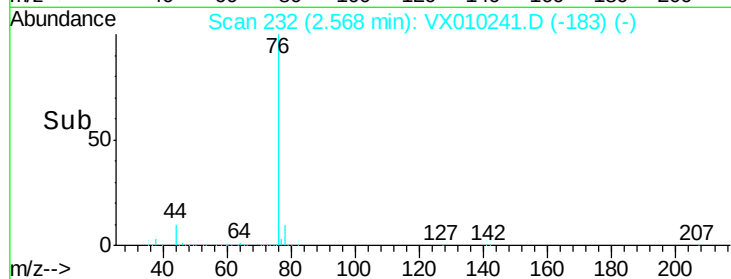
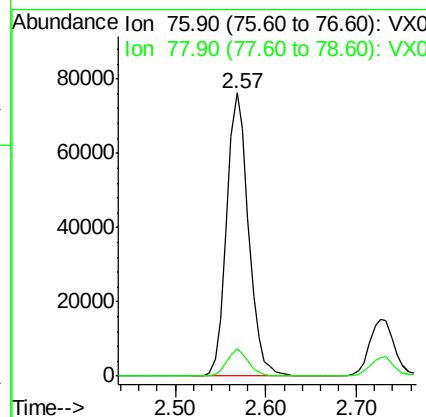
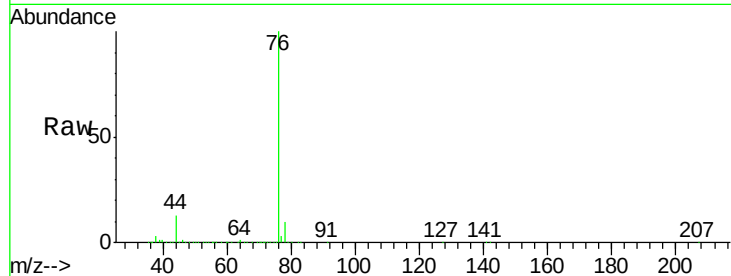
#17
Carbon Disulfide
Concen: 15.586 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

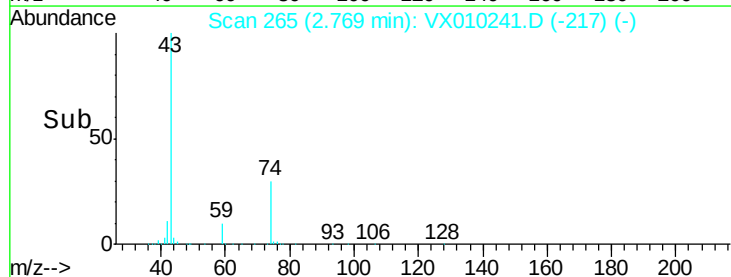
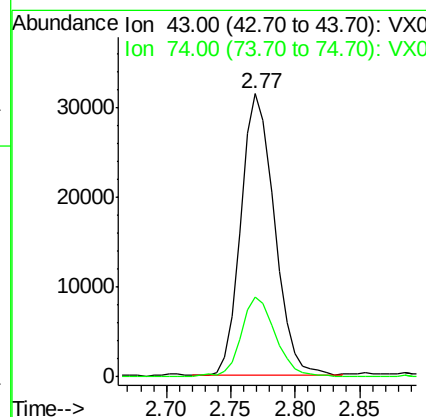
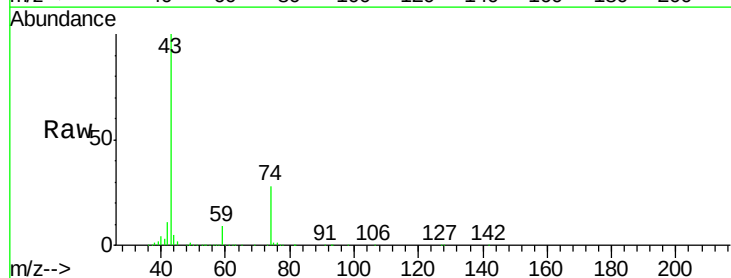
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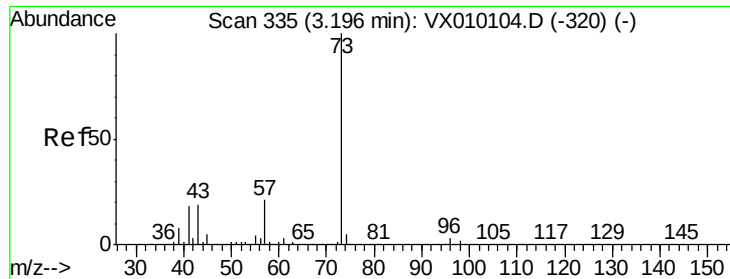
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#18
Methyl Acetate
Concen: 17.718 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.1	15.8	23.6#





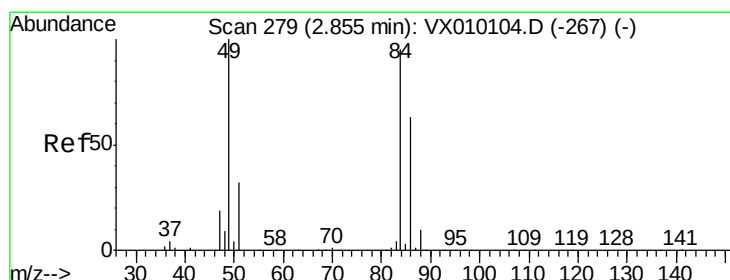
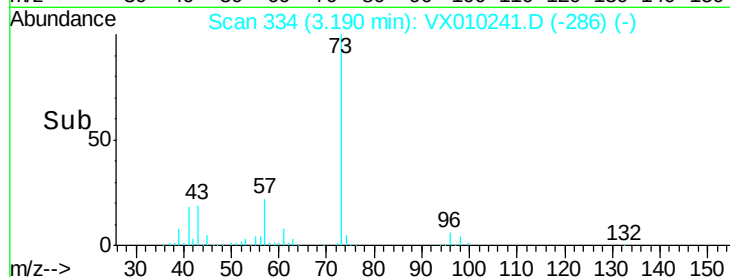
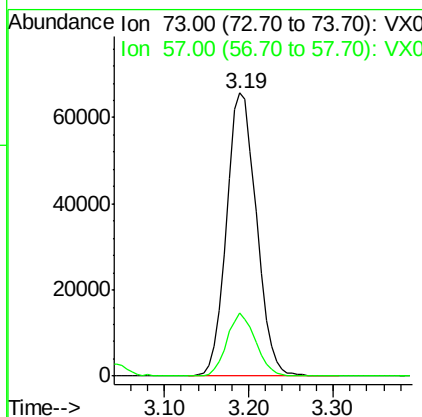
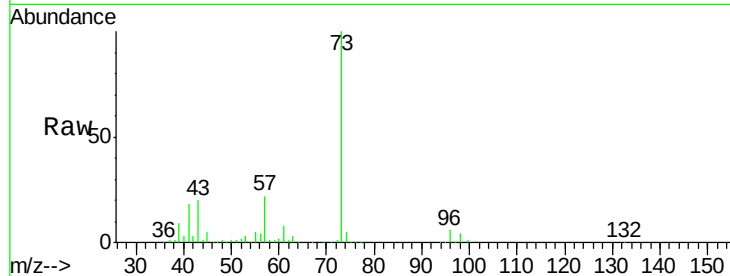
#19
Methyl tert-butyl Ether
Concen: 17.348 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	19.4	29.2

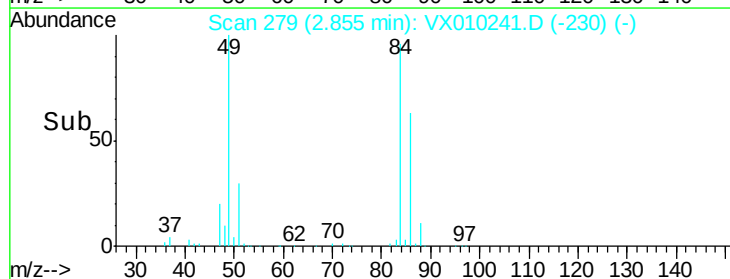
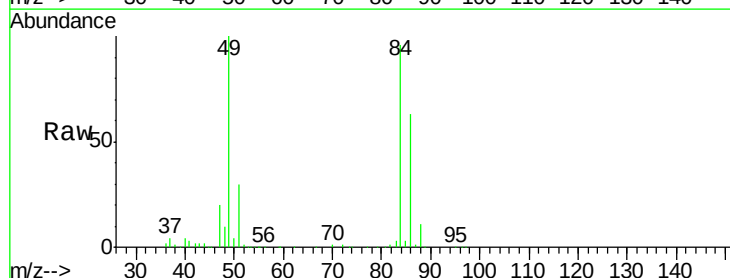
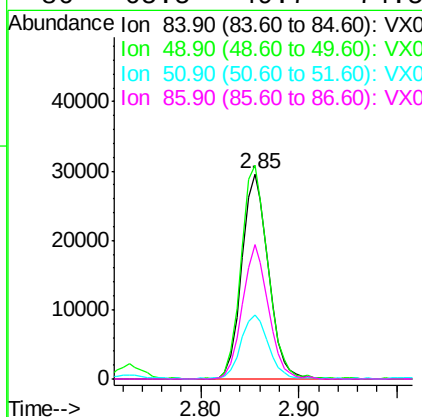
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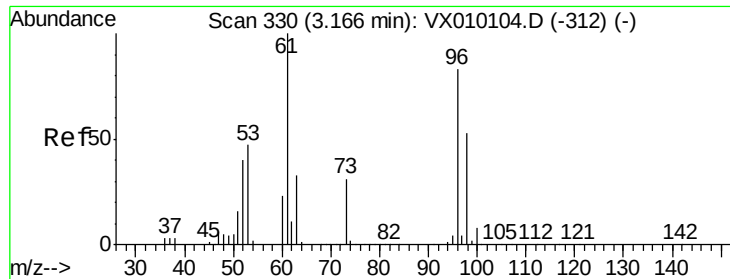
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#20
Methylene Chloride
Concen: 17.466 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.9	115.8	173.6#
51	31.0	34.4	51.6#
86	65.5	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 16.892 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 96 Resp: 53330

Ion Ratio Lower Upper

96 100

61 121.3 125.7 188.5#

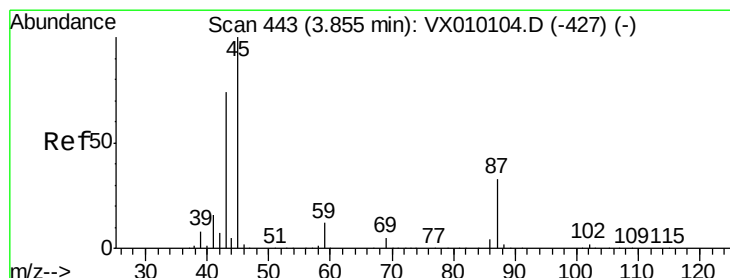
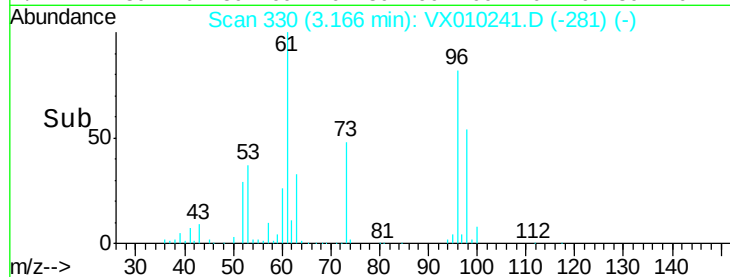
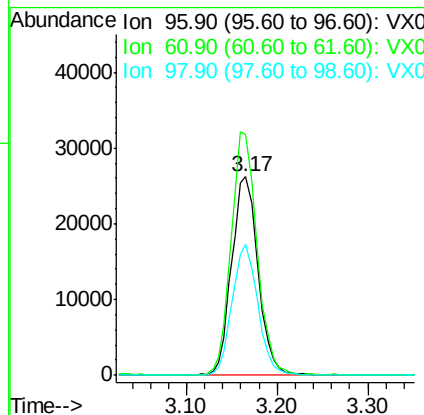
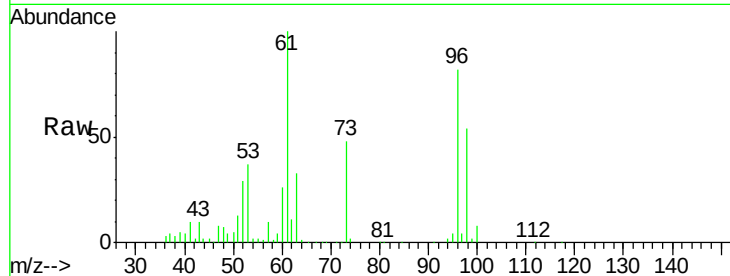
98 66.0 49.0 73.6

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#22

Diisopropyl ether

Concen: 17.895 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Tgt Ion: 45 Resp: 147335

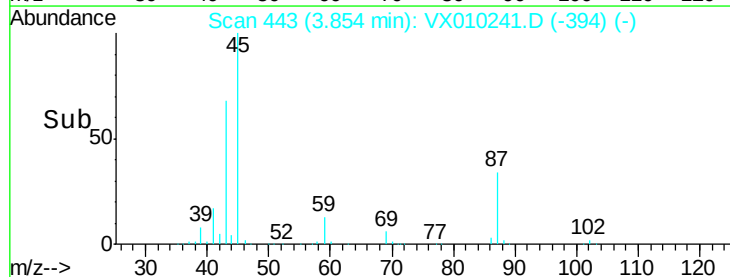
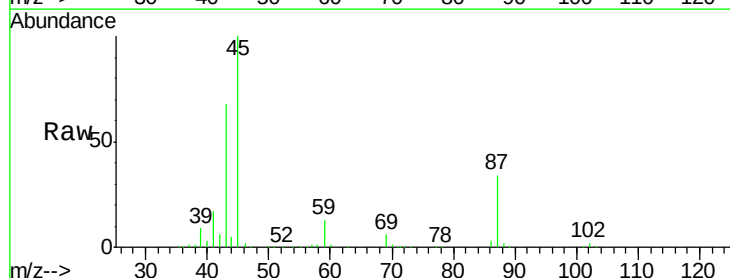
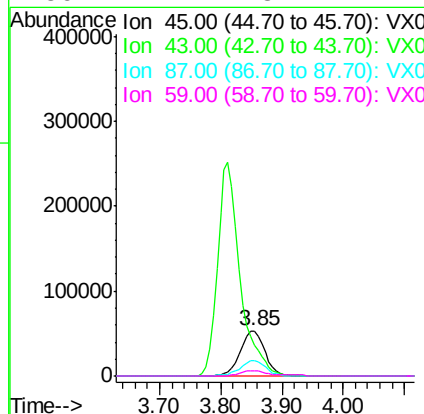
Ion Ratio Lower Upper

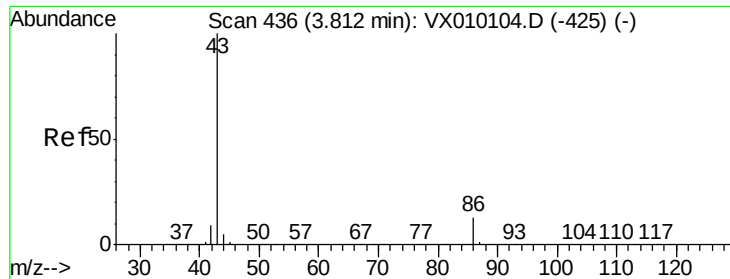
45 100

43 68.0 65.0 97.4

87 34.1 17.3 25.9#

59 12.7 8.1 12.1#





#23

Vinyl Acetate

Concen: 88.794 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 43 Resp: 652207

Ion Ratio Lower Upper

43 100

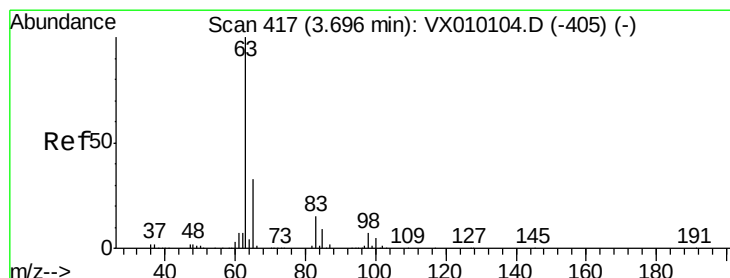
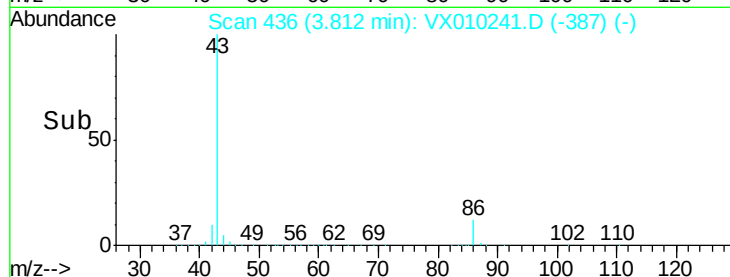
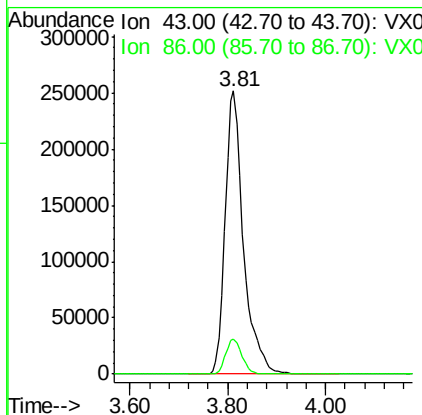
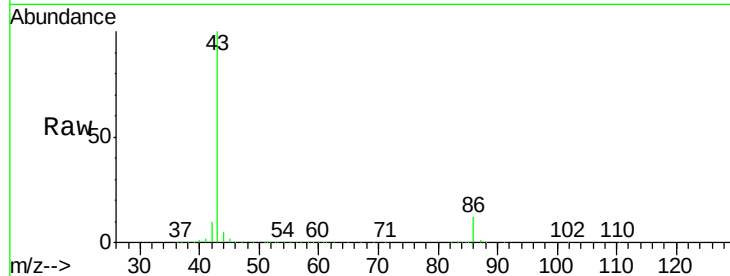
86 12.4 6.5 9.7#

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#24

1,1-Dichloroethane

Concen: 17.461 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

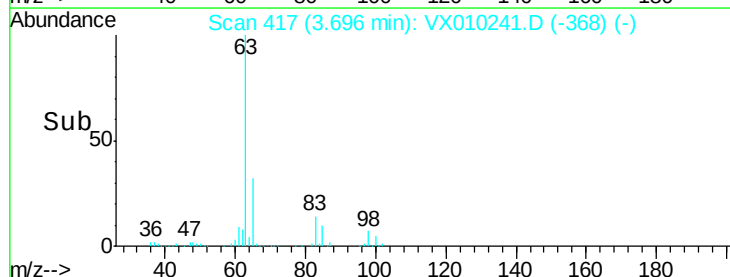
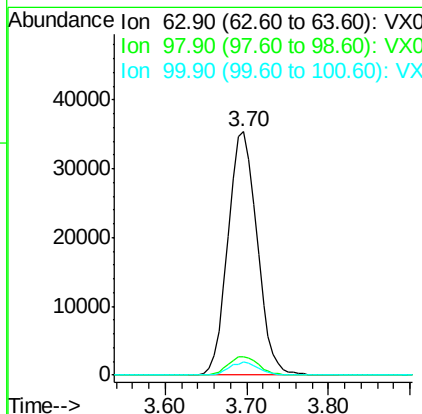
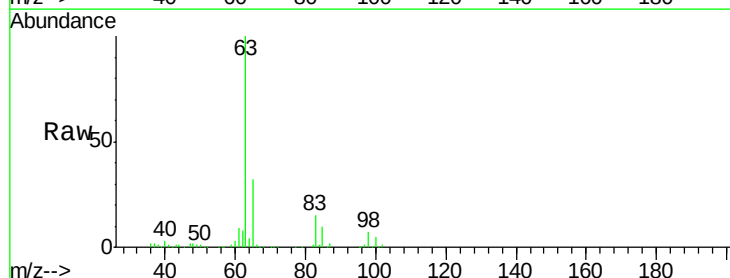
Tgt Ion: 63 Resp: 87290

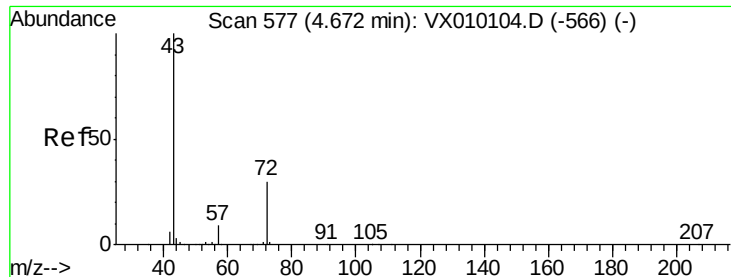
Ion Ratio Lower Upper

63 100

98 7.4 2.9 8.8

100 5.3 1.8 5.4





#25

2-Butanone

Concen: 90.396 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 43 Resp: 196286

Ion Ratio Lower Upper

43 100

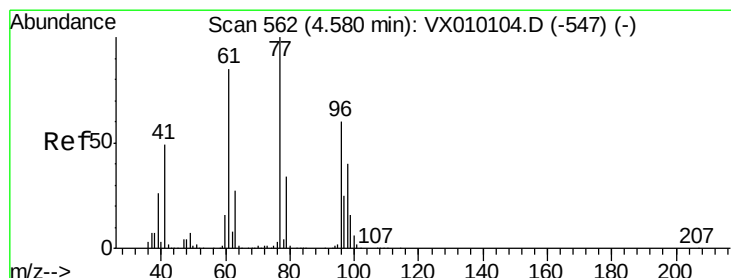
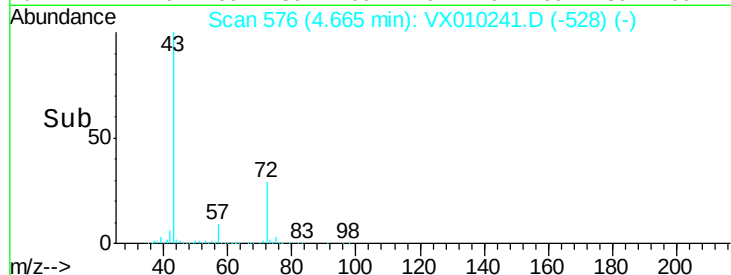
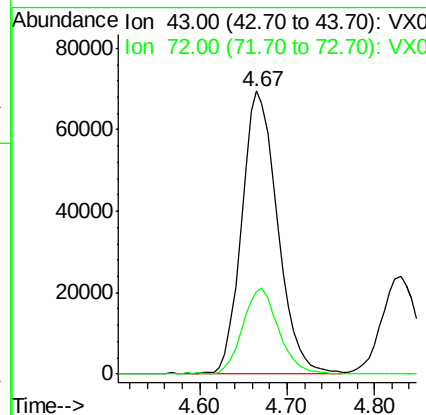
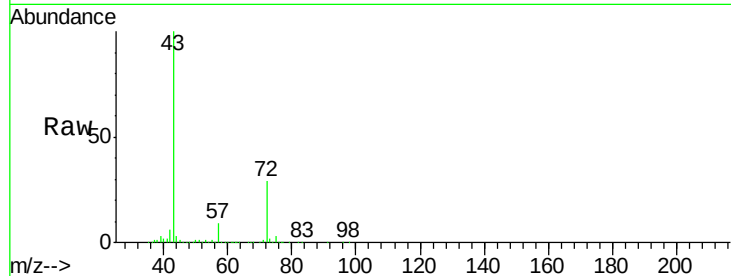
72 28.7 17.5 26.3#

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#26

2,2-Dichloropropane

Concen: 17.023 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010241.D

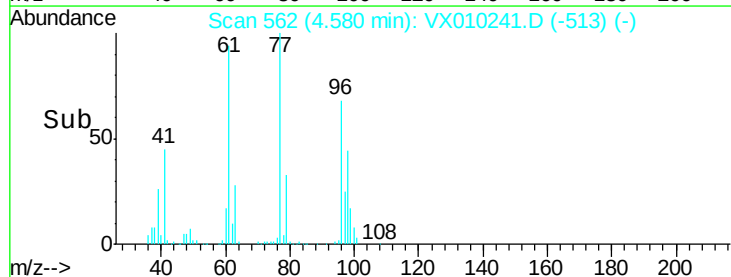
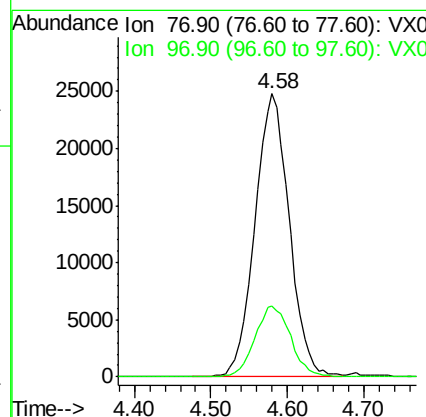
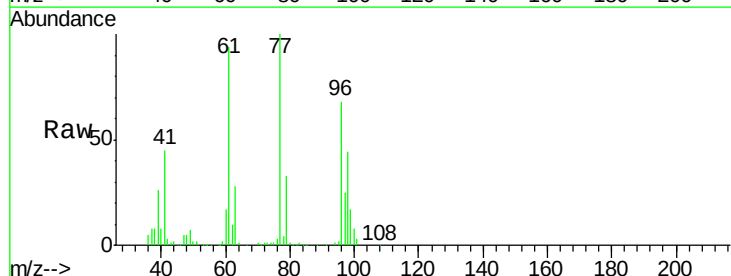
Acq: 12 Jun 2019 11:00

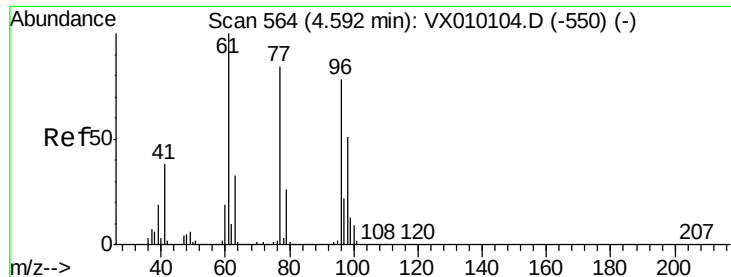
Tgt Ion: 77 Resp: 77632

Ion Ratio Lower Upper

77 100

97 26.0 11.4 34.2





#27

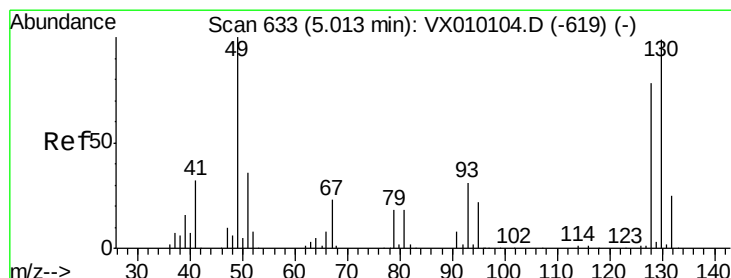
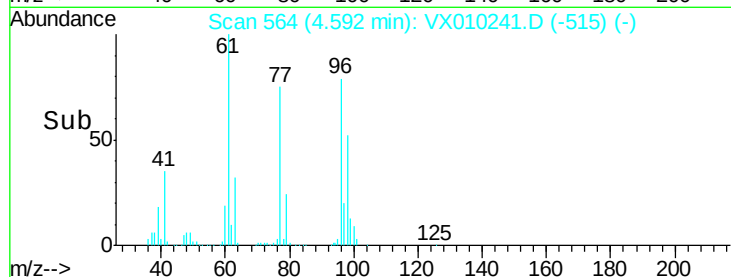
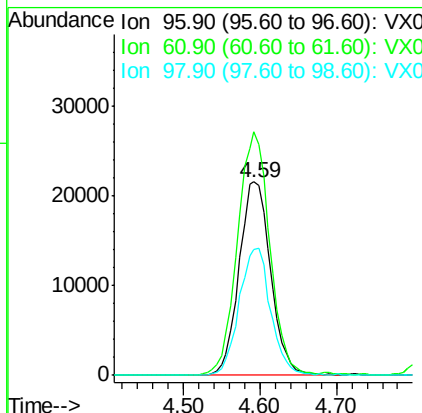
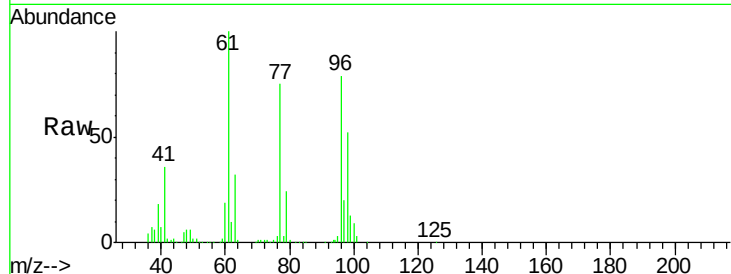
cis-1,2-Dichloroethene
Concen: 17.638 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	0.0	334.0
98	65.5	0.0	131.6

Manual Integrations
APPROVED

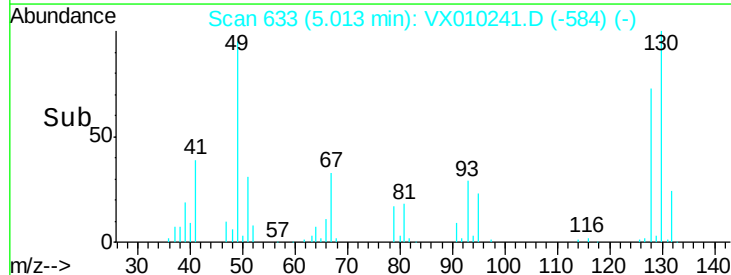
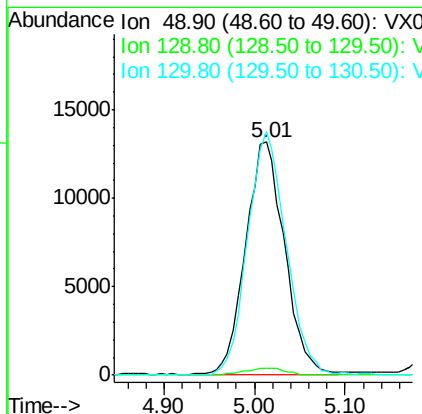
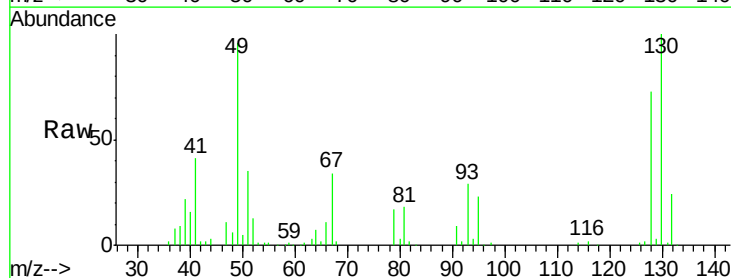
MMDadoda
6/13/2019 9:17:36 AM

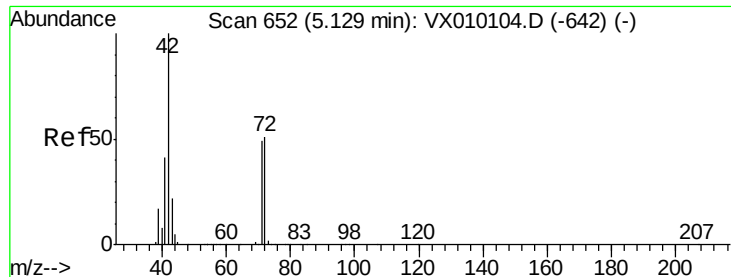


#28

Bromochloromethane
Concen: 17.552 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	3.4
130	102.9	49.4	74.2#





#29

Tetrahydrofuran

Concen: 85.985 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

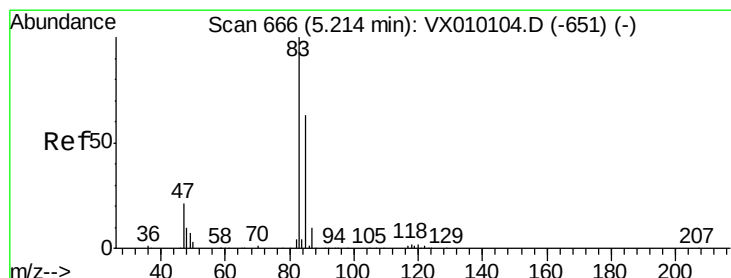
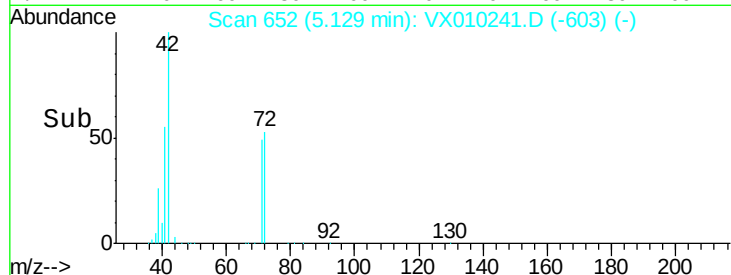
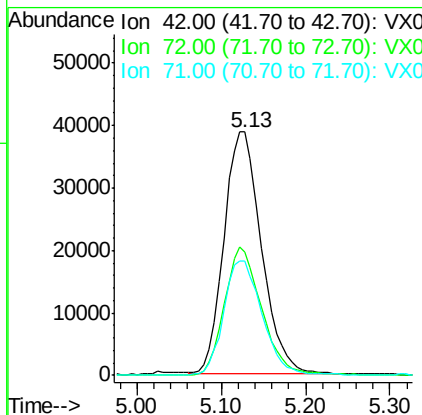
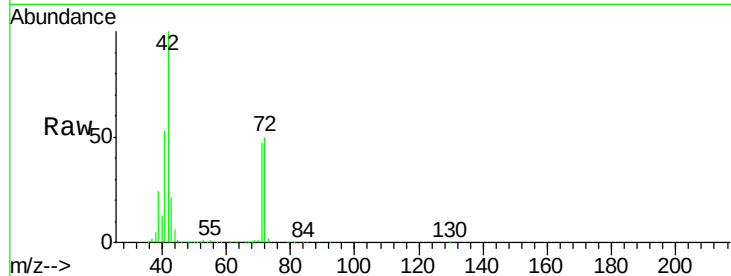
ClientSampled :

VX0612WBS01

Tot Ion:	42	Resp:	117337
Ion Ratio		Lower	Upper
42	100		
72	52.6	29.2	43.8#
71	48.5	27.6	41.4#

Manual Integrations
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MMDadoda
6/13/2019 9:17:36 AM



#30

Chloroform

Concen: 17.559 ug/l

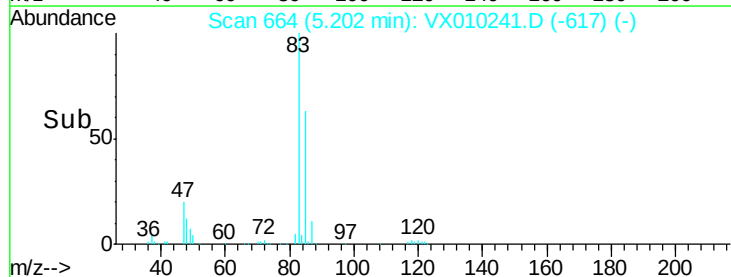
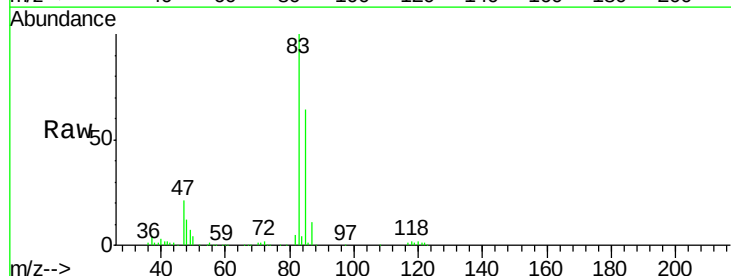
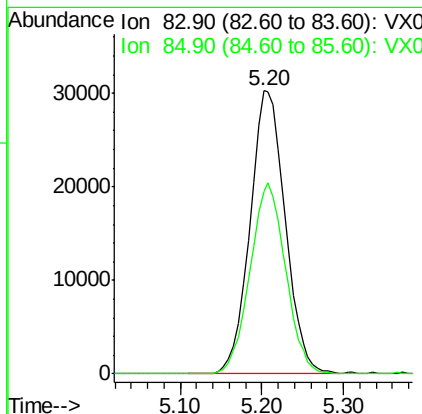
RT: 5.20 min Scan# 664

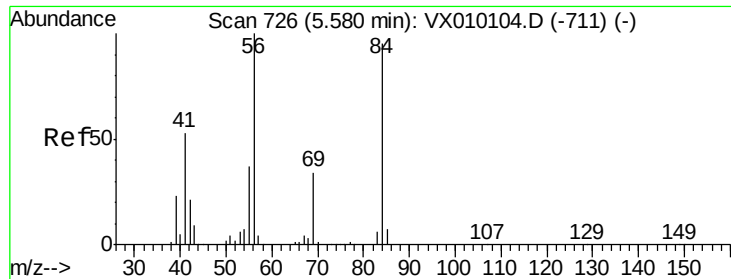
Delta R.T. -0.01 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Tgt Ion:	83	Resp:	91162
Ion Ratio		Lower	Upper
83	100		
85	64.2	52.6	78.8





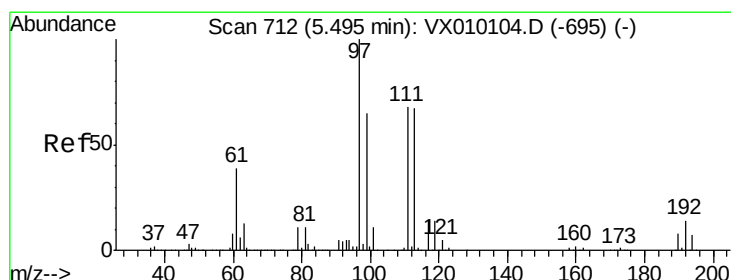
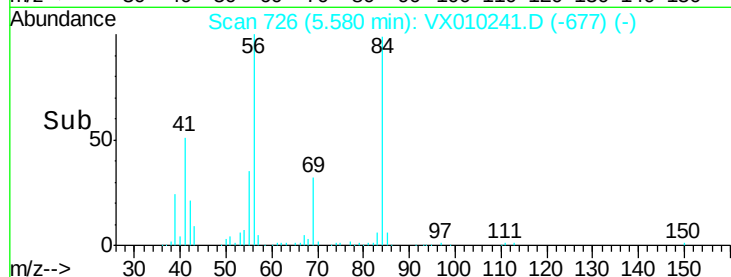
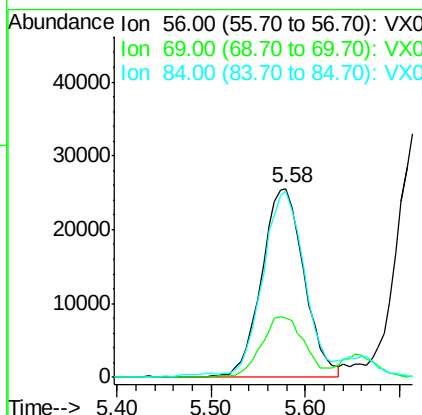
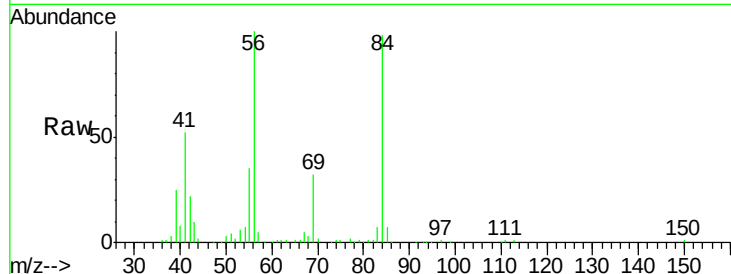
#31
Cyclohexane
Concen: 17.696 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	21.6	32.4
84	97.3	56.8	85.2#

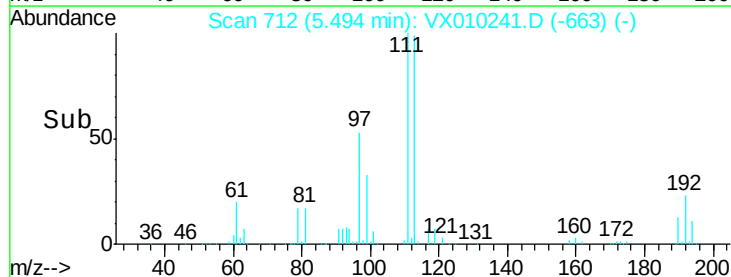
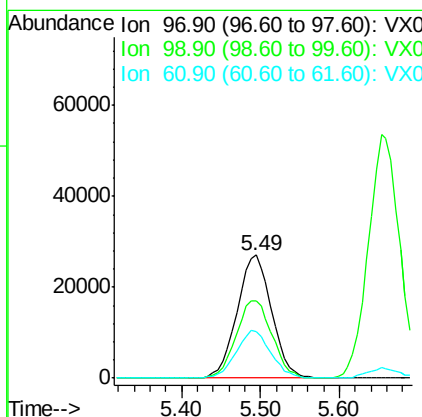
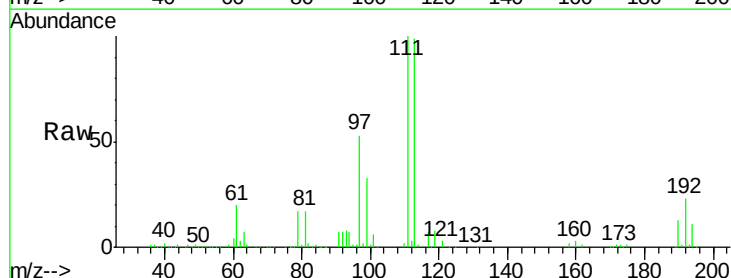
Manual Integrations
APPROVED

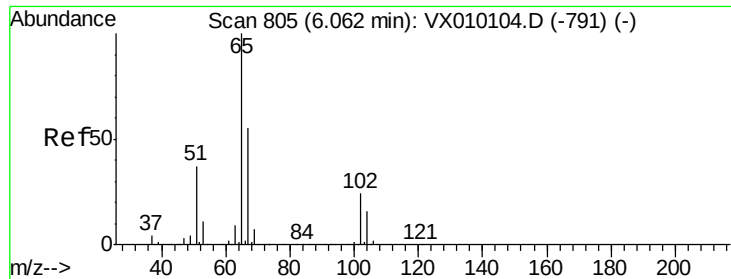
MMDadoda
6/13/2019 9:17:36 AM



#32
1,1,1-Trichloroethane
Concen: 16.851 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

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





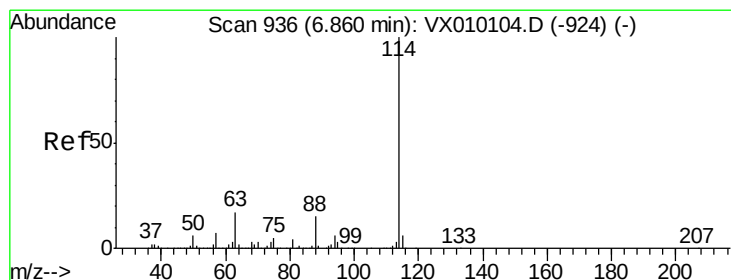
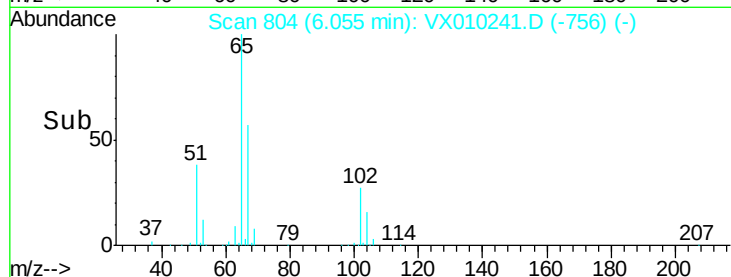
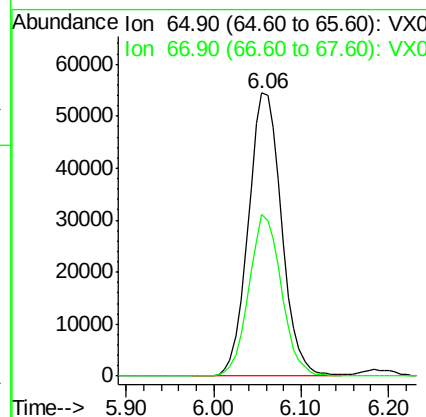
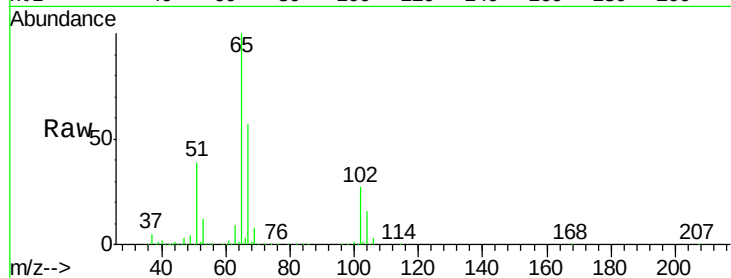
#33
 1,2-Dichloroethane-d4
 Concen: 46.396 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.9	0.0	108.4

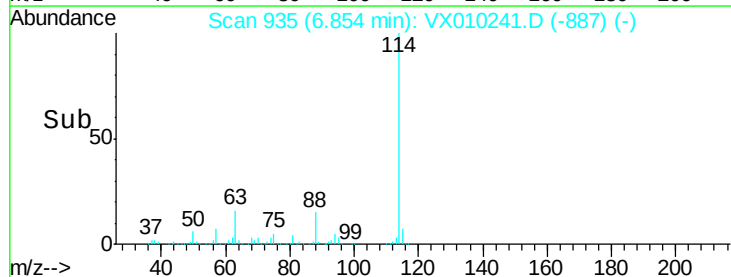
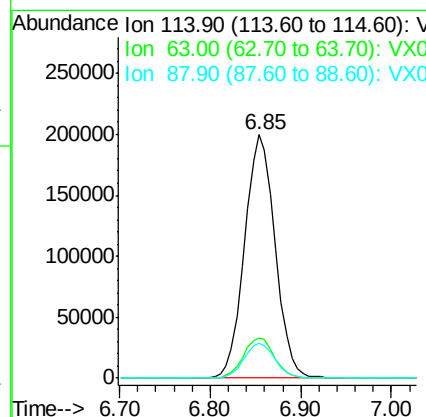
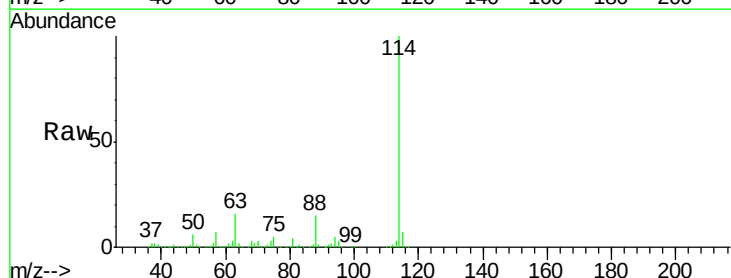
Manual Integrations
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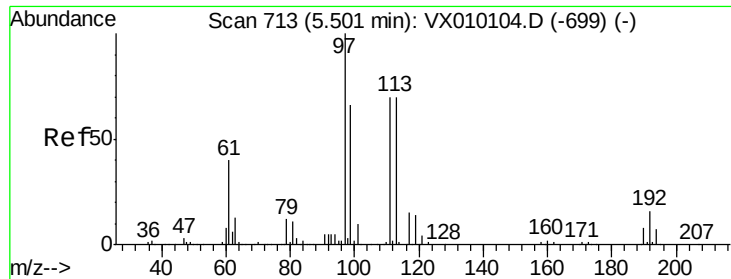
MMDadoda
 6/13/2019 9:17:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	47.4
88	14.5	0.0	33.0





#35

Dibromofluoromethane

Concen: 50.909 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

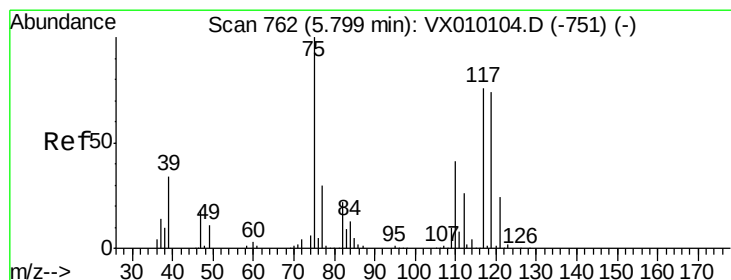
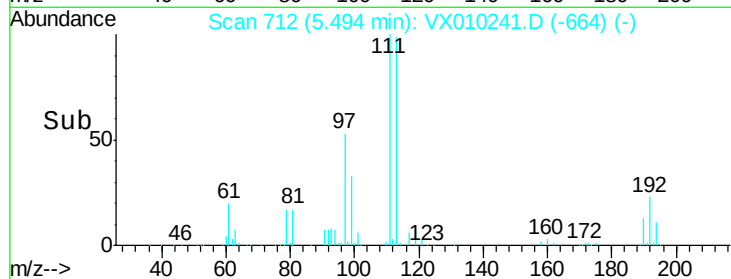
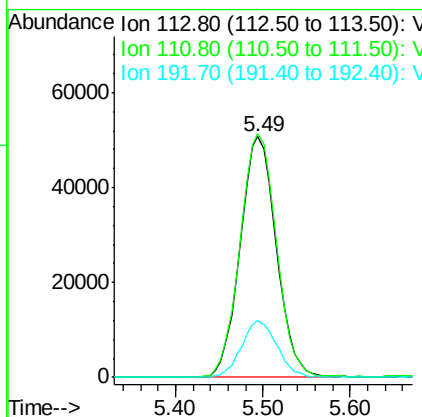
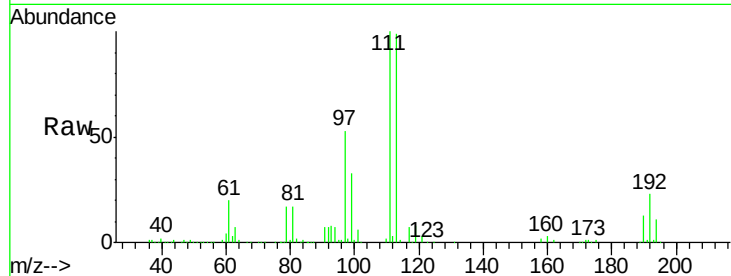
ClientSampleId :

VX0612WBS01

Tot Ion:	113	Resp:	145954
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.2	123.2
192	23.2	17.1	25.7

Manual Integrations
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6/13/2019 9:17:36 AM



#36

1,1-Dichloropropene

Concen: 17.809 ug/l

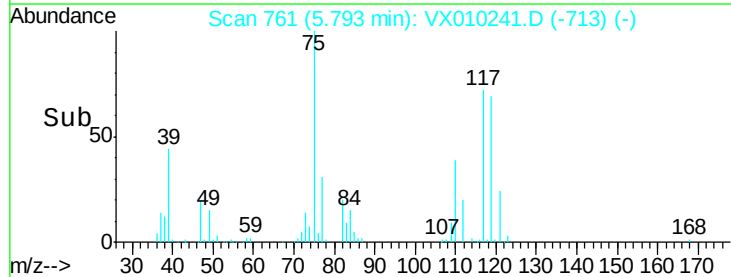
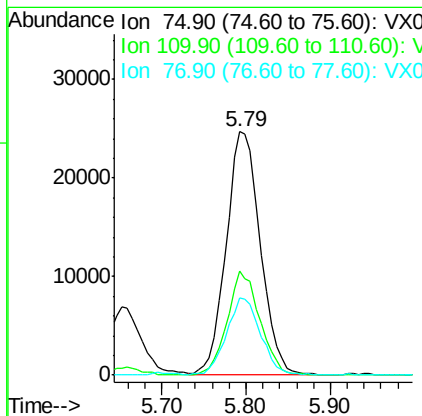
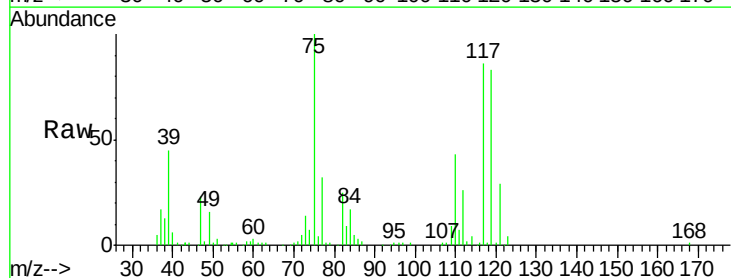
RT: 5.79 min Scan# 761

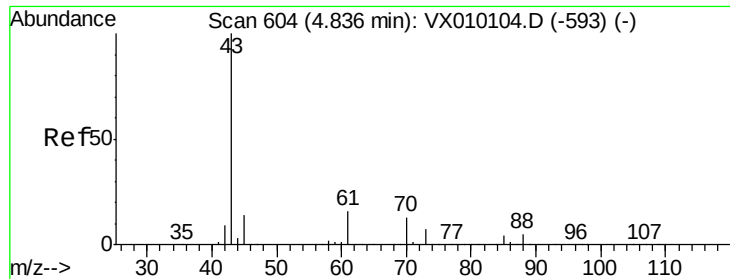
Delta R.T. -0.01 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Tgt Ion:	75	Resp:	67533
Ion Ratio	Lower	Upper	
75	100		
110	41.1	16.7	50.1
77	31.9	25.0	37.4





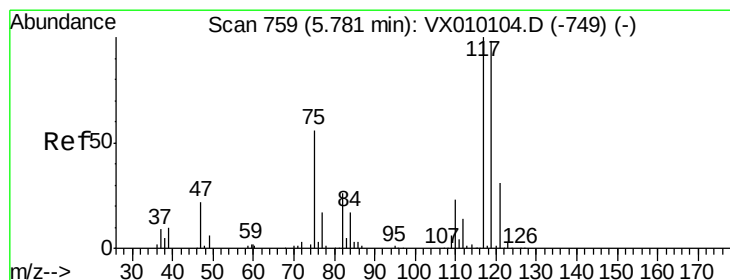
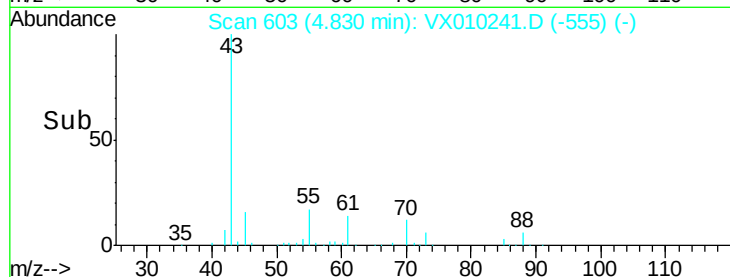
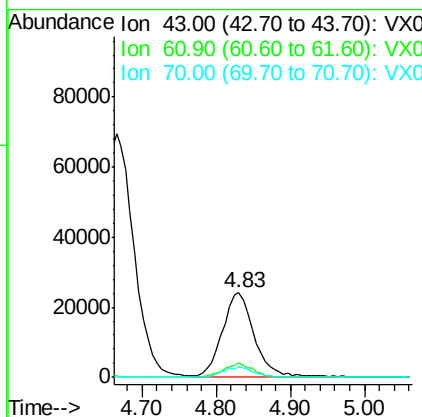
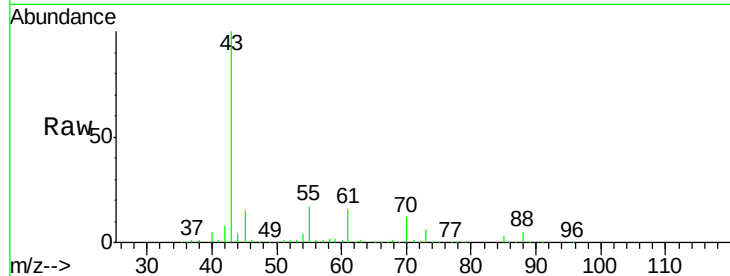
#37
Ethyl Acetate
Concen: 17.892 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.2	15.2#
70	12.5	7.4	11.2#

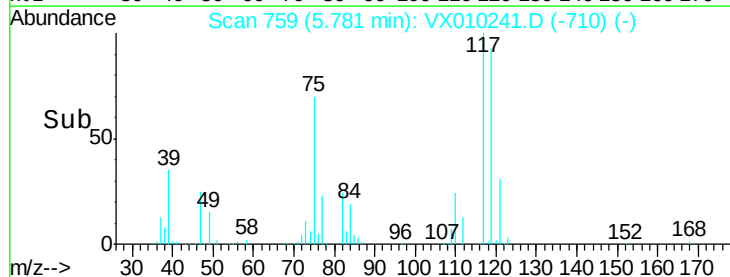
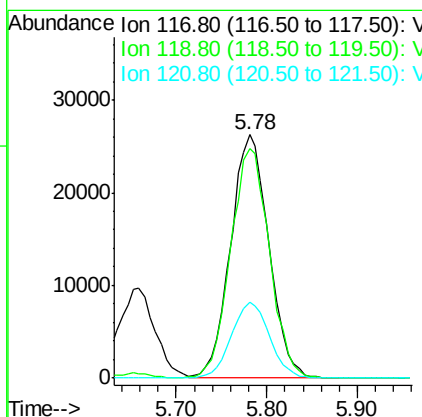
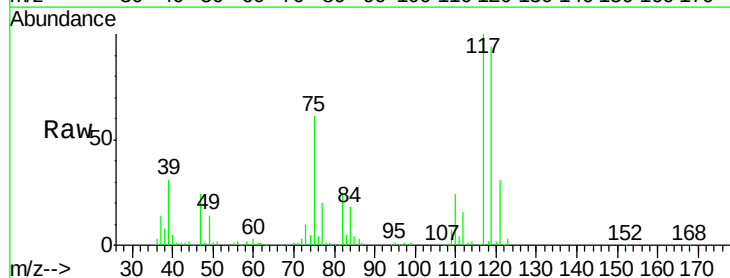
Manual Integrations
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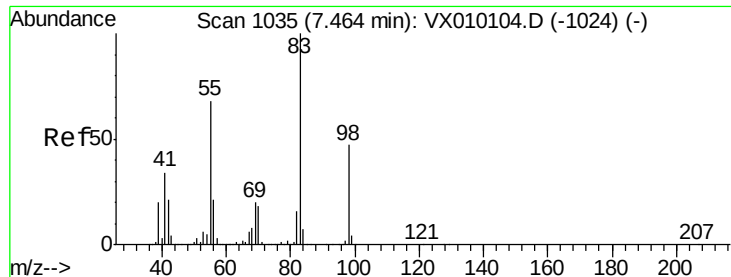
MMDadoda
6/13/2019 9:17:36 AM



#38
Carbon Tetrachloride
Concen: 17.919 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.3	115.9
121	31.2	25.4	38.0





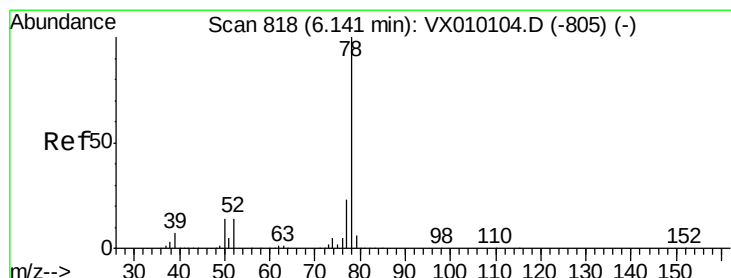
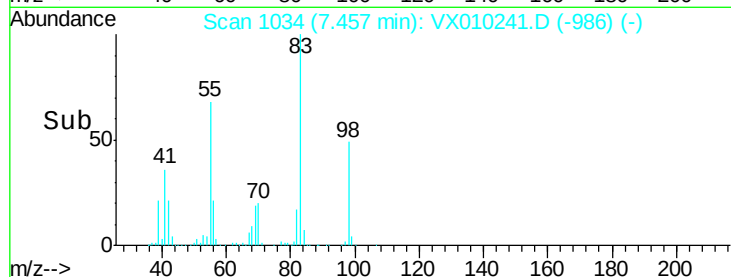
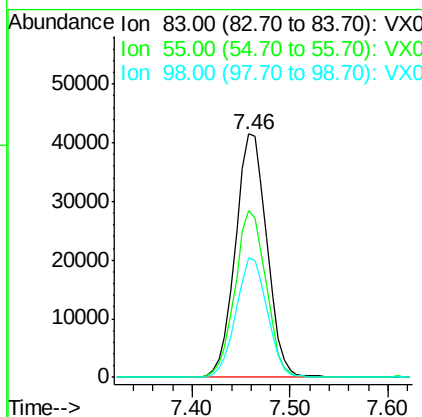
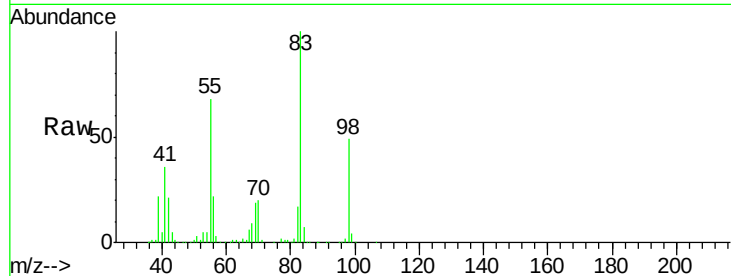
#39
Methylvlcyclohexane
Concen: 17.957 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.2	69.9	104.9#
98	49.1	35.1	52.7

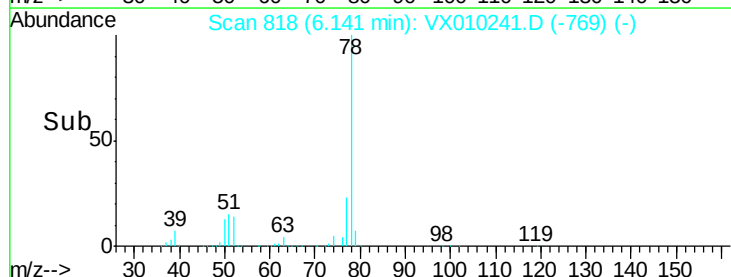
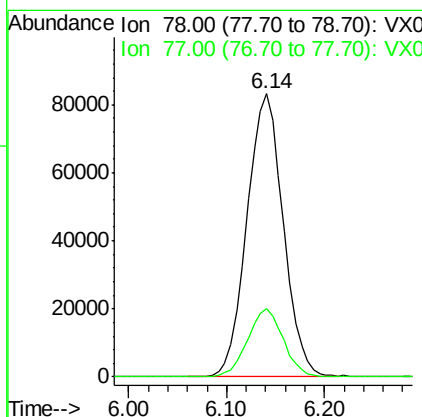
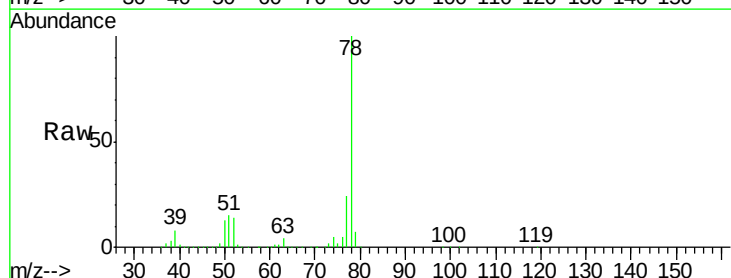
Manual Integrations
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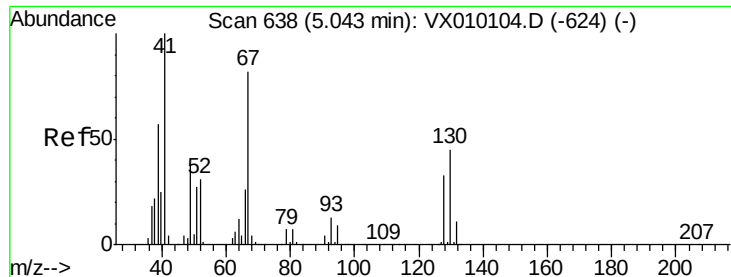
MMDadoda
6/13/2019 9:17:36 AM



#40
Benzene
Concen: 18.363 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8





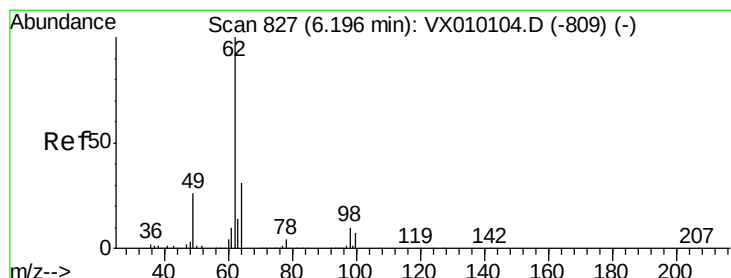
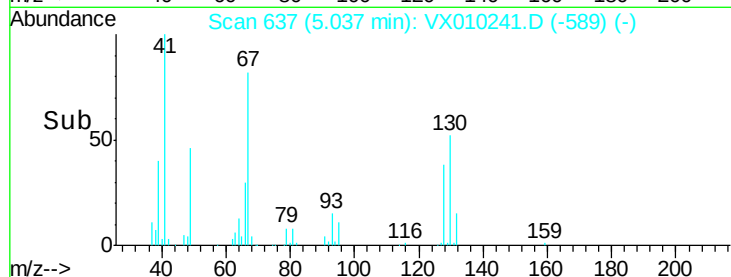
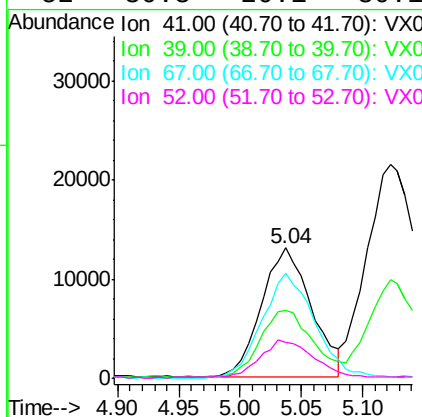
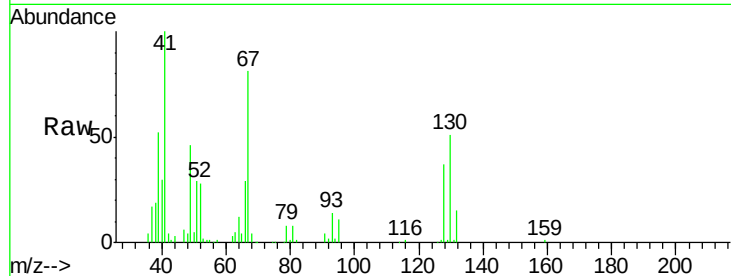
#41
Methacrylonitrile
Concen: 17.466 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	42.2	63.4
67	85.6	48.9	73.3#
52	30.3	20.1	30.1#

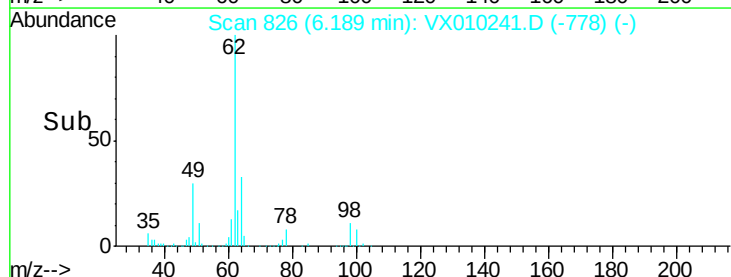
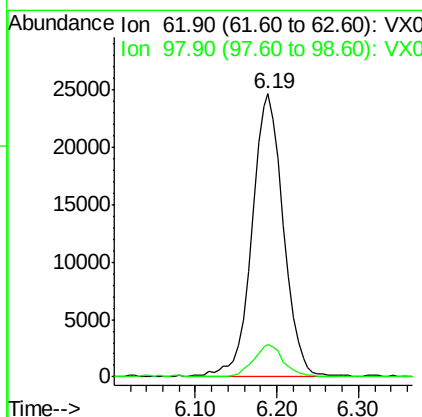
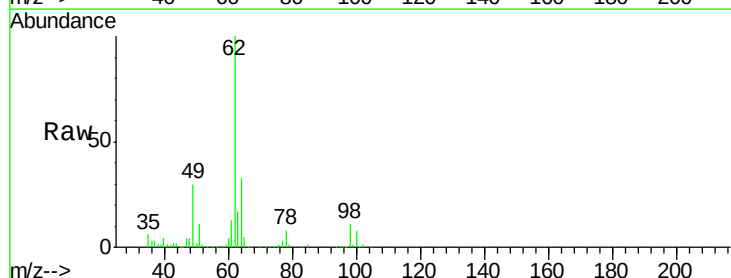
Manual Integrations
APPROVED

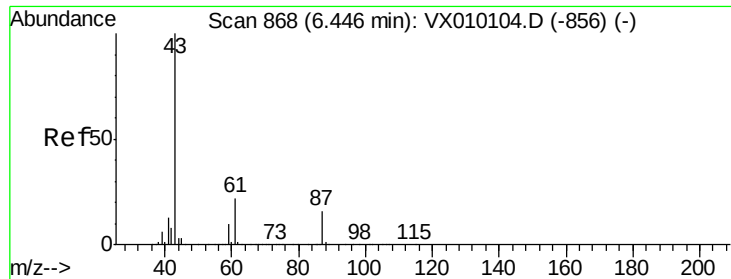
MMDadoda
6/13/2019 9:17:36 AM



#42
1,2-Dichloroethane
Concen: 17.711 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	17.2





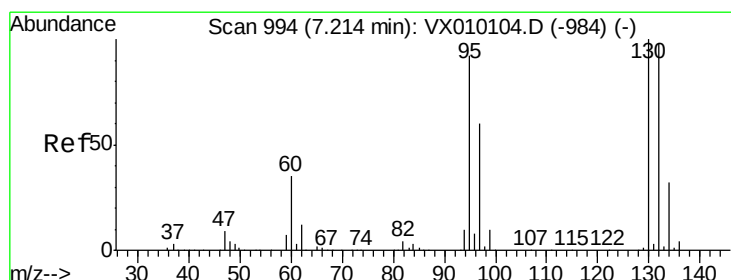
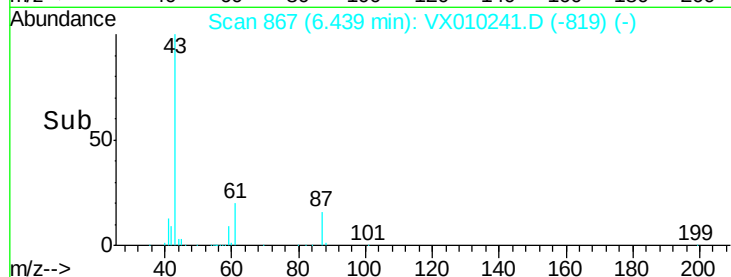
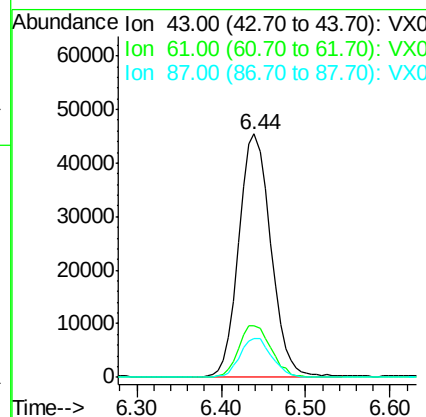
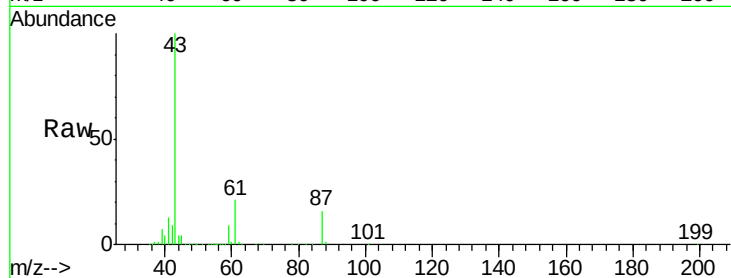
#43
Isopropyl Acetate
Concen: 17.587 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	14.6	21.8#
87	16.1	8.7	13.1#

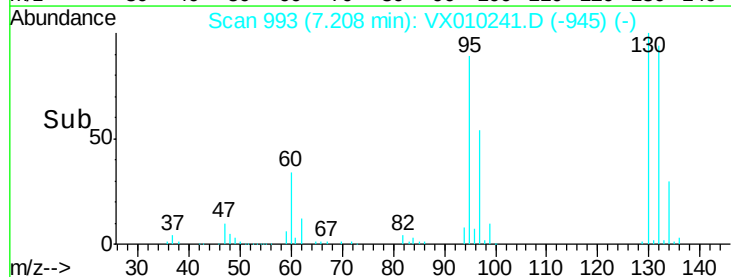
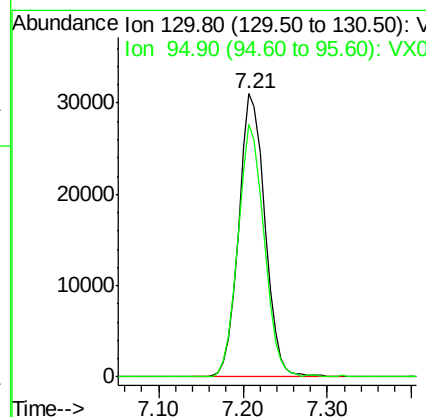
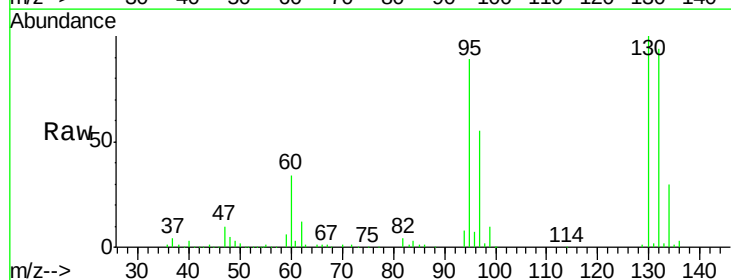
Manual Integrations
APPROVED

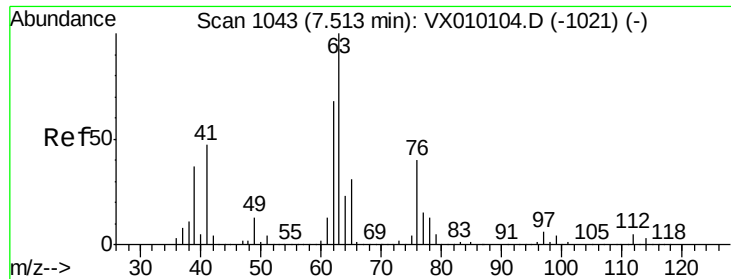
MMDadoda
6/13/2019 9:17:36 AM



#44
Trichloroethene
Concen: 18.348 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	207.4





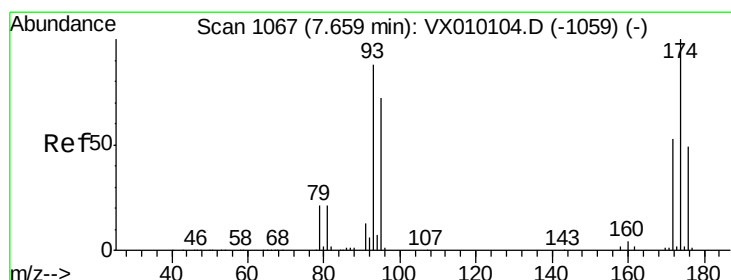
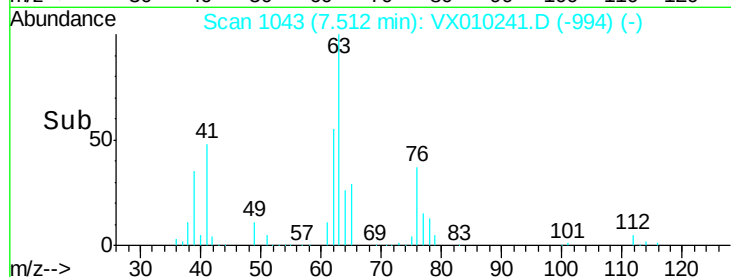
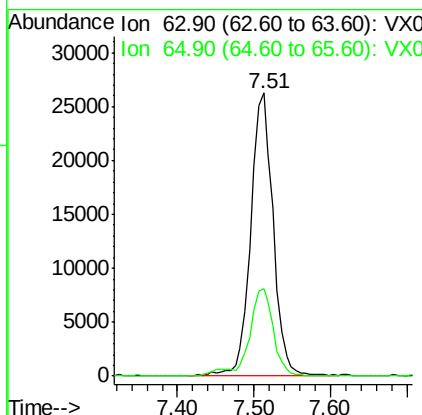
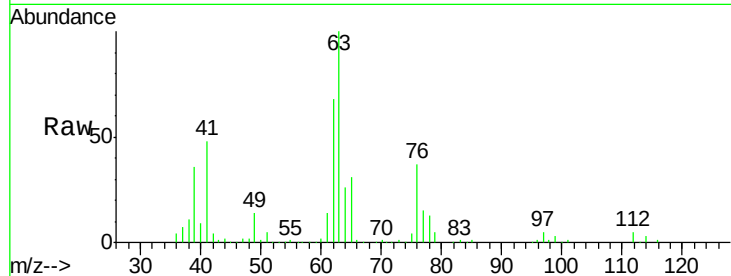
#45
1,2-Dichloropropane
Concen: 18.393 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion: 63 Resp: 53982
Ion Ratio Lower Upper
63 100
65 30.5 25.7 38.5

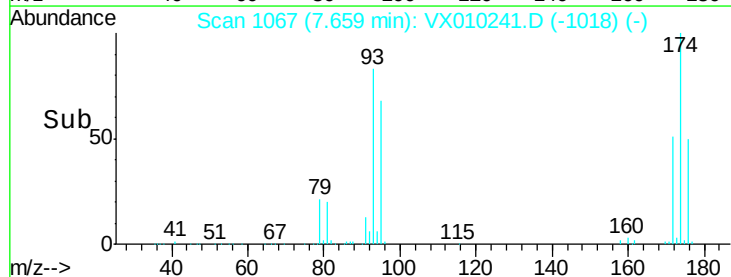
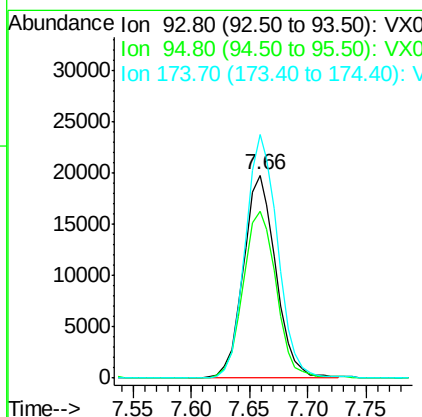
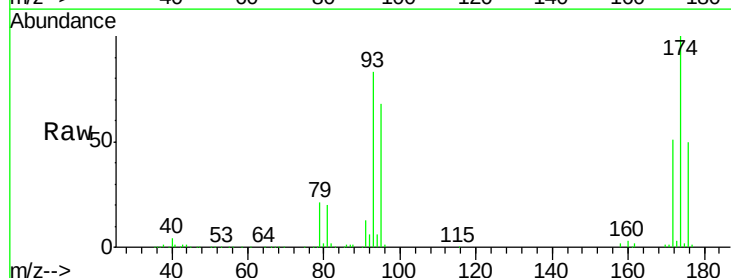
Manual Integrations
APPROVED

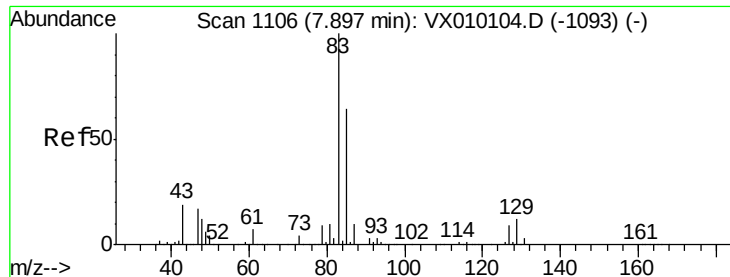
MMDadoda
6/13/2019 9:17:36 AM



#46
Dibromomethane
Concen: 17.462 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion: 93 Resp: 38394
Ion Ratio Lower Upper
93 100
95 84.7 66.8 100.2
174 120.5 81.9 122.9





#47

Bromodichloromethane

Concen: 17.908 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

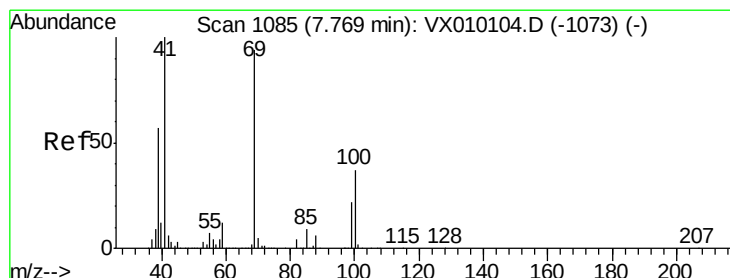
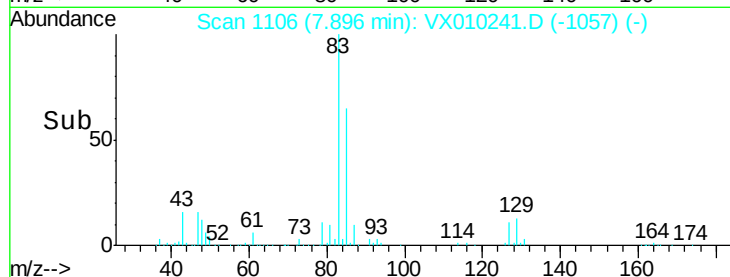
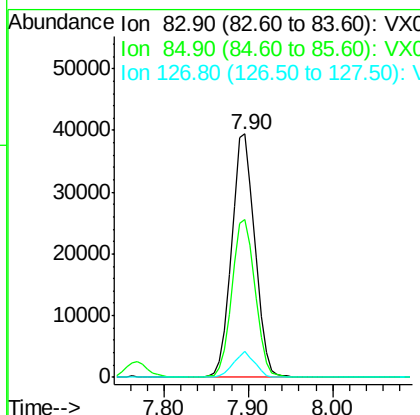
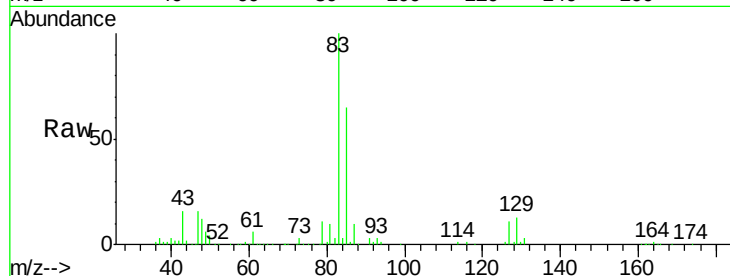
ClientSampleId :

VX0612WBS01

Tot Ion:	83	Resp:	73577
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2
127	10.5	6.4	9.6#

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:17:36 AM



#48

Methyl methacrylate

Concen: 17.583 ug/l

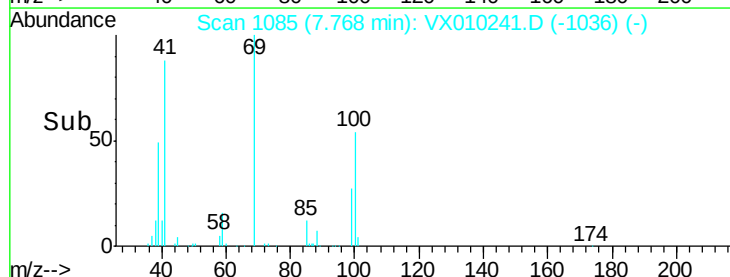
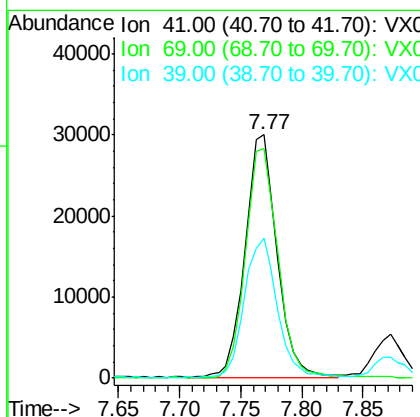
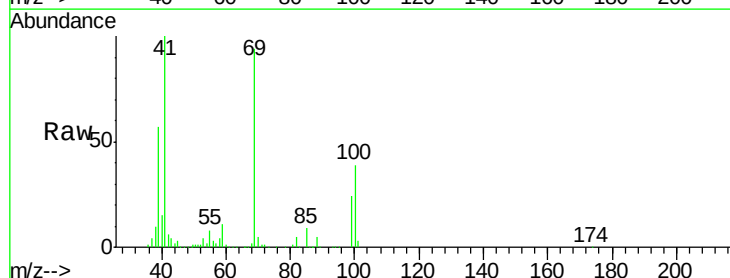
RT: 7.77 min Scan# 1085

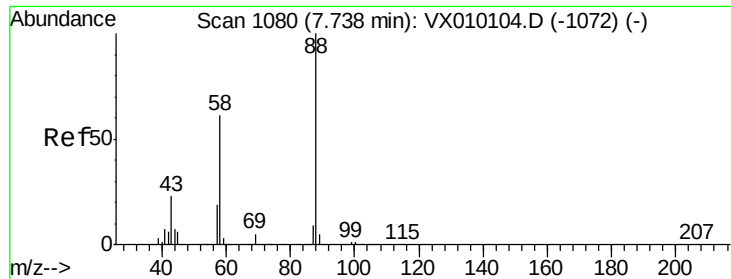
Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Tgt Ion:	41	Resp:	54247
Ion	Ratio	Lower	Upper
41	100		
69	96.6	56.4	84.6#
39	59.0	40.6	60.8





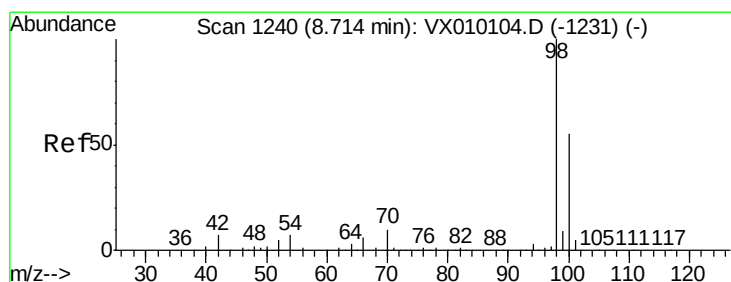
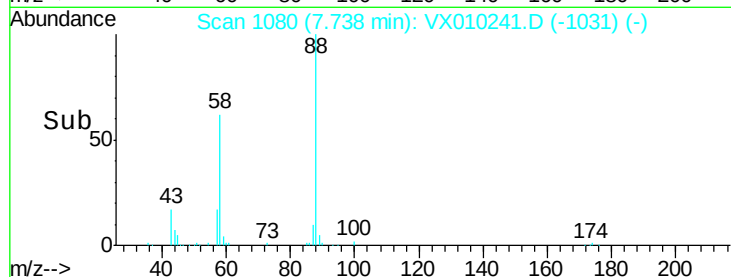
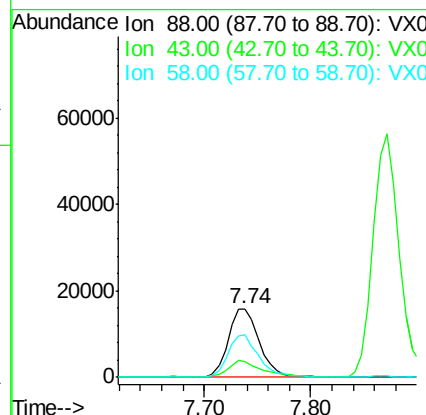
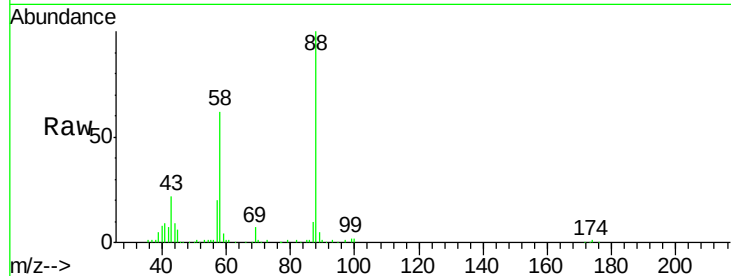
#49
1,4-Dioxane
Concen: 373.743 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.1	30.2	45.4#
58	60.9	64.0	96.0#

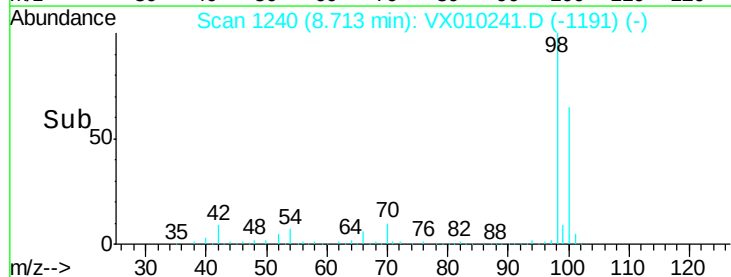
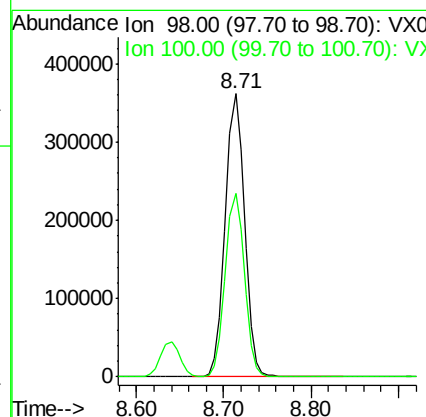
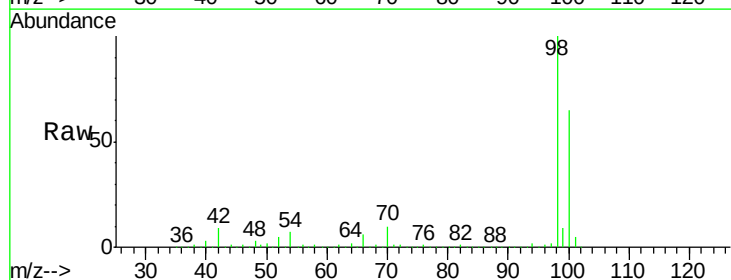
Manual Integrations
APPROVED

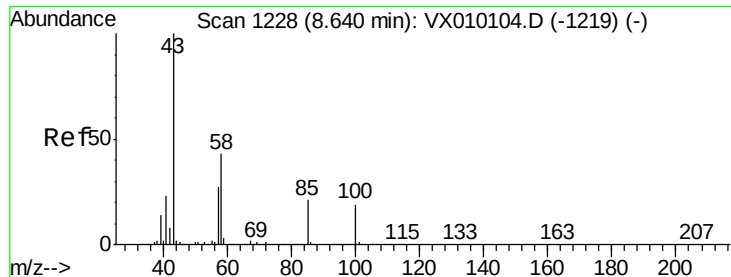
MMDadoda
6/13/2019 9:17:36 AM



#50
Toluene-d8
Concen: 51.573 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 93.844 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VX0612WBS01

Tot Ion: 43 Resp: 369837

Ion Ratio Lower Upper

43 100

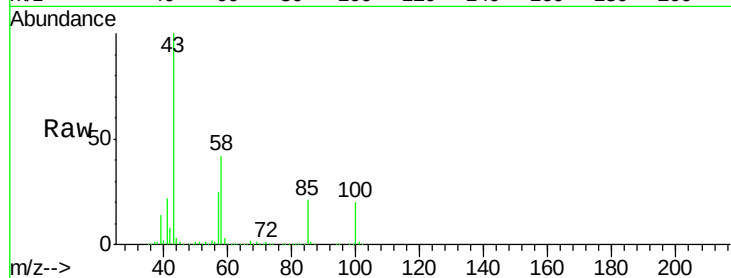
58 41.8 28.8 43.2

Manual Integrations

APPROVED

MMDadoda

6/13/2019 9:17:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

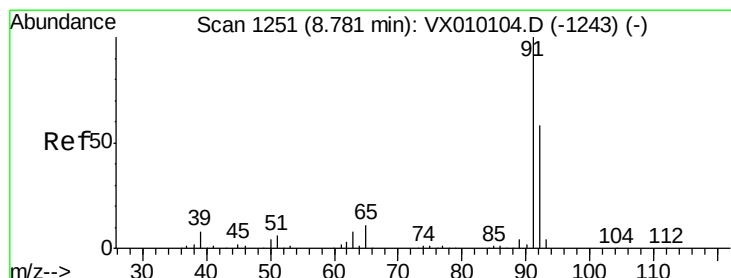
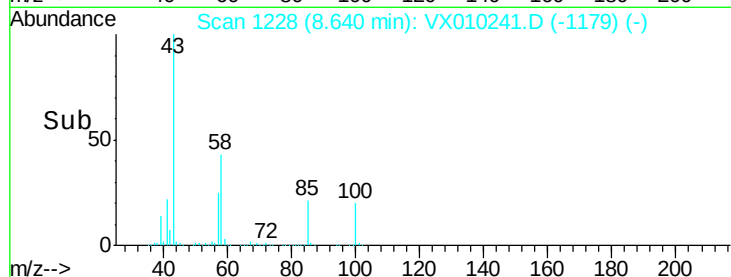
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.169 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010241.D

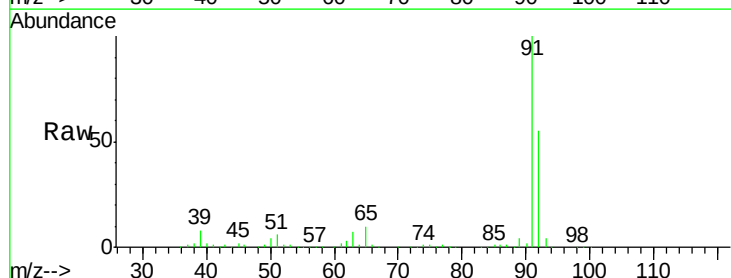
Acq: 12 Jun 2019 11:00

Tgt Ion: 92 Resp: 140044

Ion Ratio Lower Upper

92 100

91 176.6 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

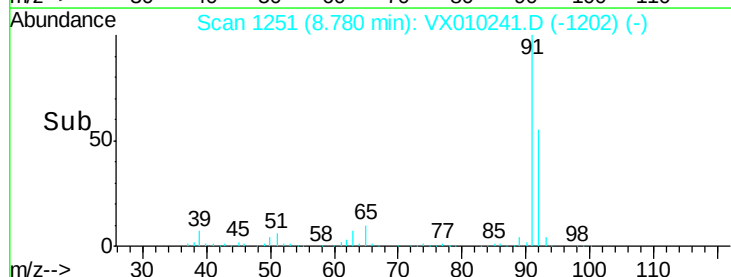
150000

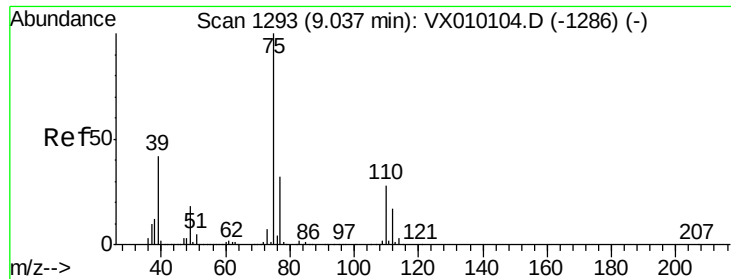
100000

50000

0

Time-->





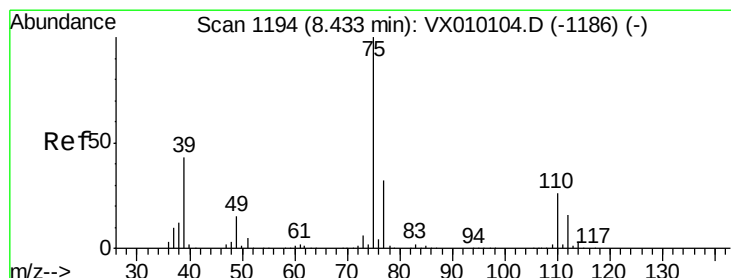
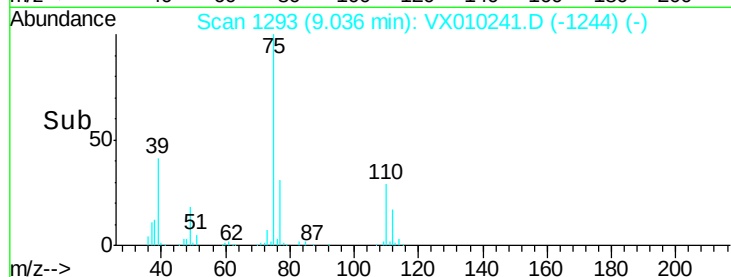
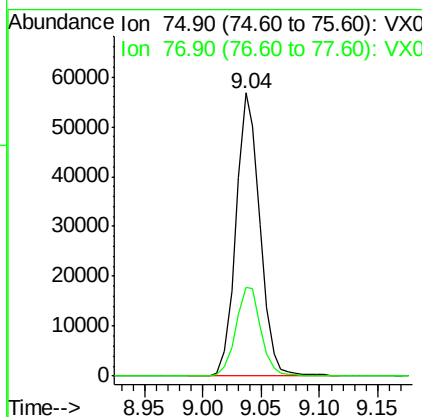
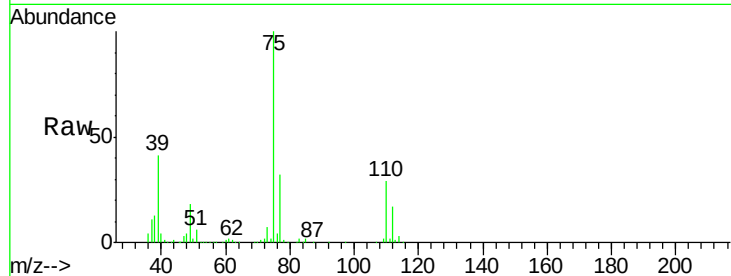
#53
t-1,3-Dichloropropene
Concen: 17.114 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8

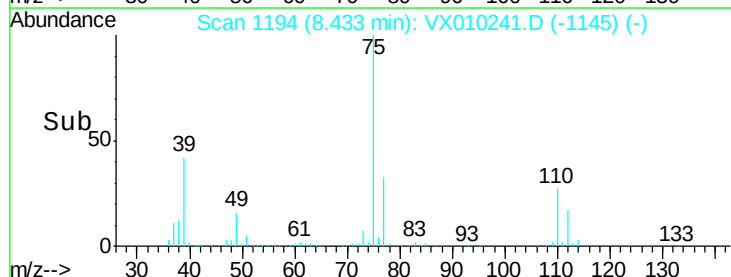
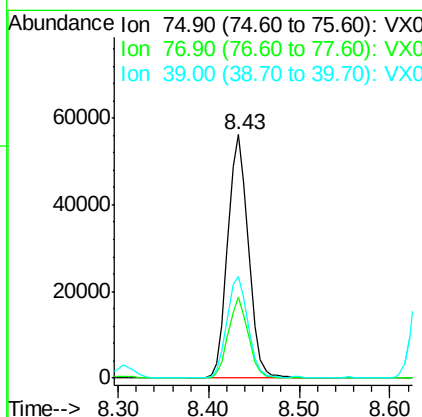
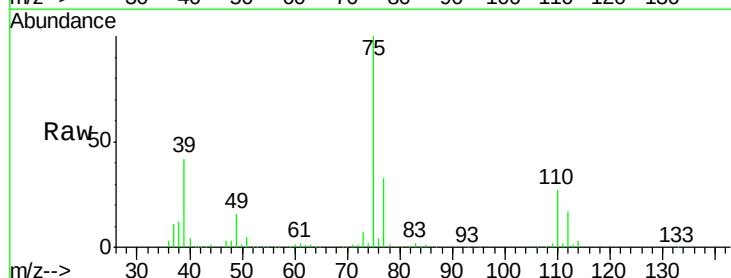
Manual Integrations
APPROVED

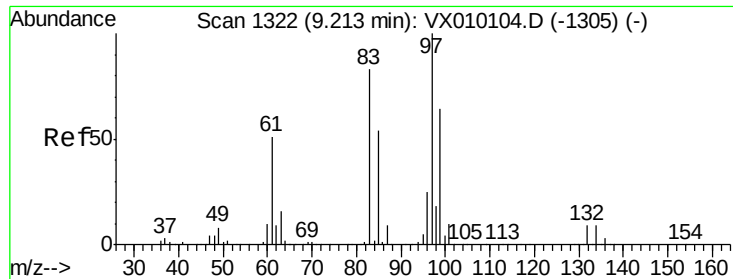
MMDadoda
6/13/2019 9:17:36 AM



#54
cis-1,3-Dichloropropene
Concen: 17.475 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.8	37.2
39	41.7	43.4	65.0#





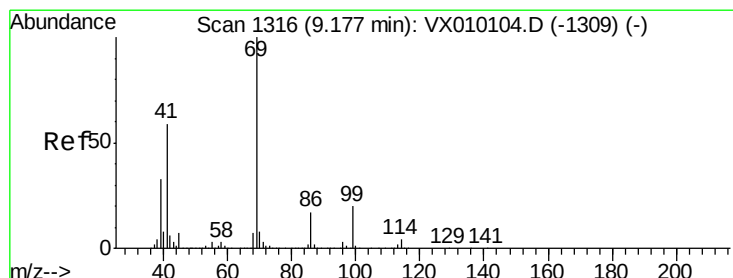
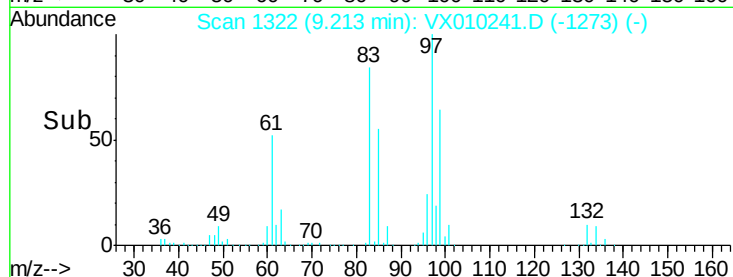
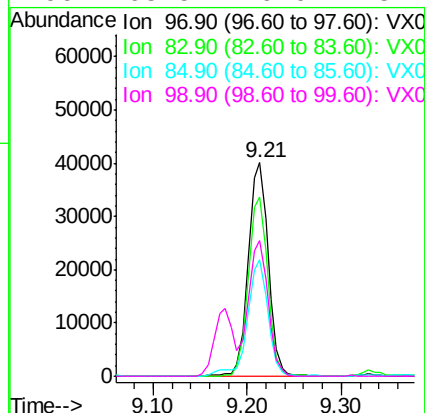
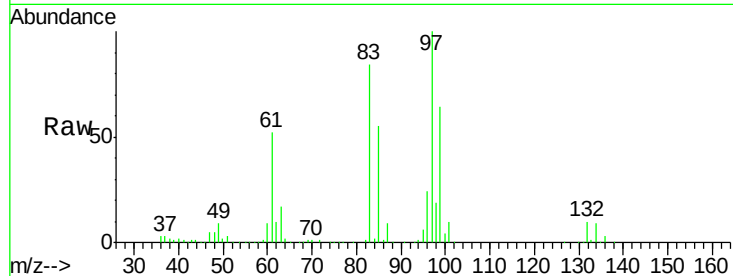
#55
 1,1,2-Trichloroethane
 Concen: 18.886 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion:	97	Resp:	59616
Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.8	104.8
85	54.5	45.3	67.9
99	63.5	49.0	73.4

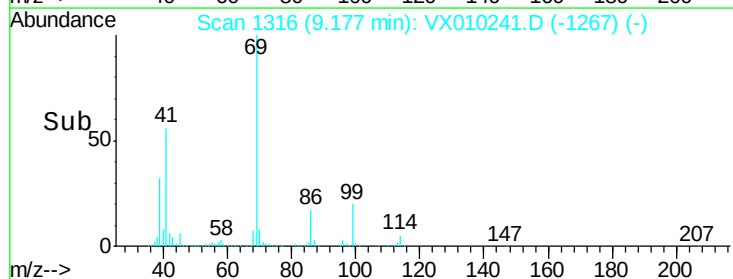
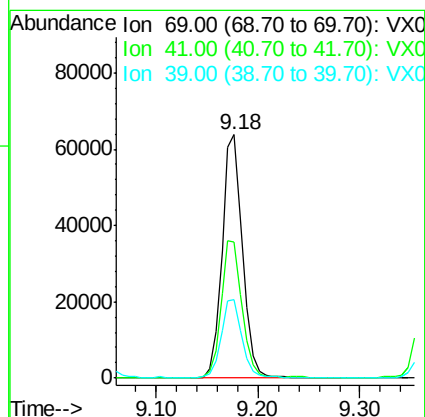
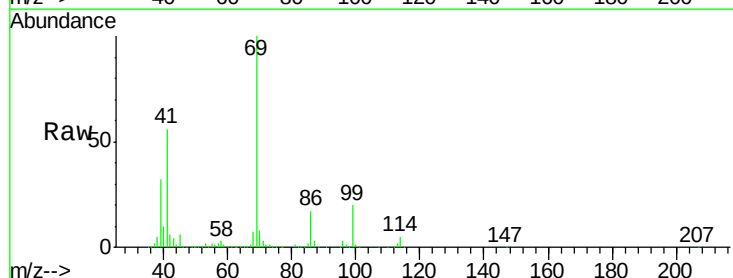
Manual Integrations
 APPROVED

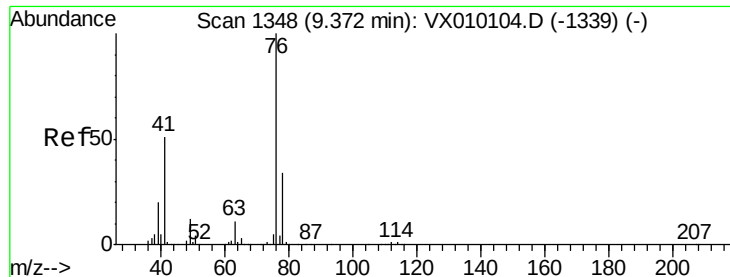
MMDadoda
 6/13/2019 9:17:36 AM



#56
 Ethyl methacrylate
 Concen: 17.917 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Tgt Ion:	69	Resp:	89341
Ion	Ratio	Lower	Upper
69	100		
41	56.8	62.7	94.1#
39	32.4	29.5	44.3





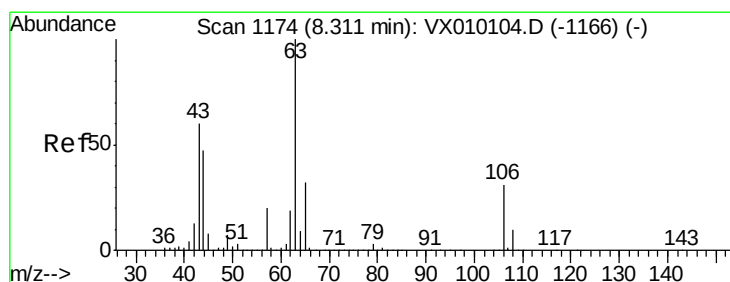
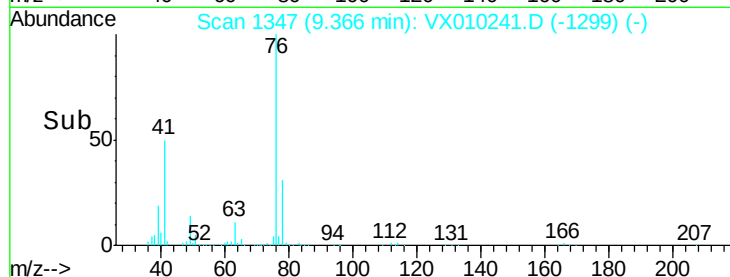
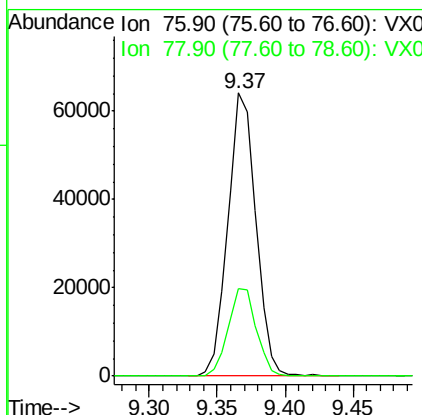
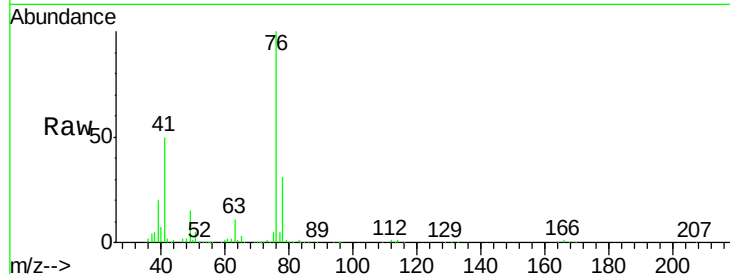
#57
 1,3-Dichloropropane
 Concen: 18.561 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion: 76 Resp: 92244
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.4 38.0

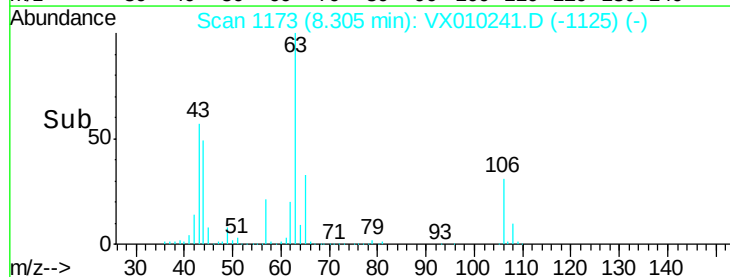
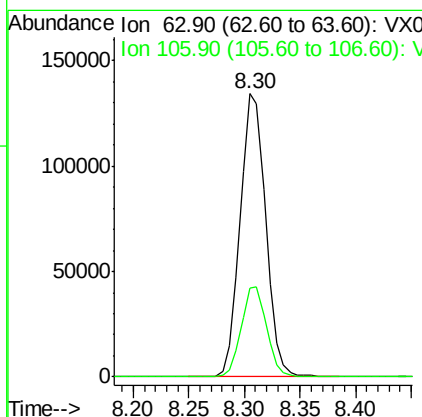
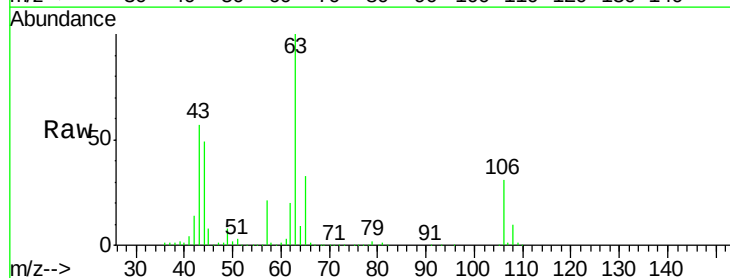
Manual Integrations
 APPROVED

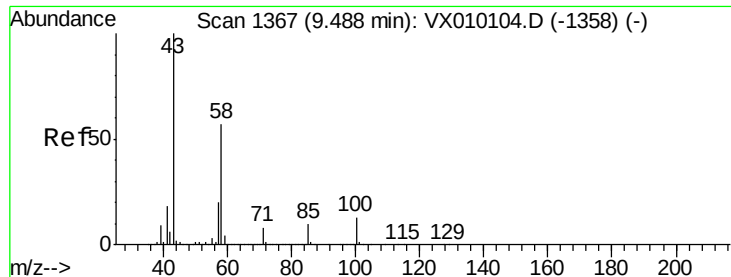
MMDadoda
 6/13/2019 9:17:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.243 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Tgt Ion: 63 Resp: 214489
 Ion Ratio Lower Upper
 63 100
 106 31.5 19.4 29.2#





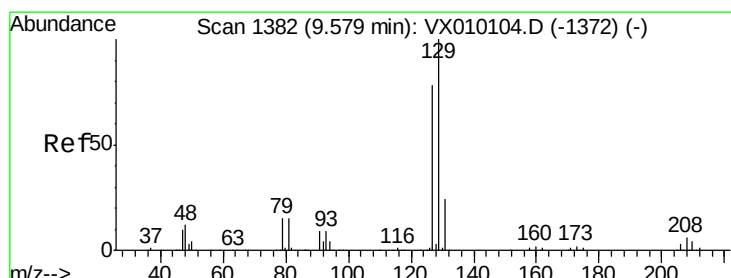
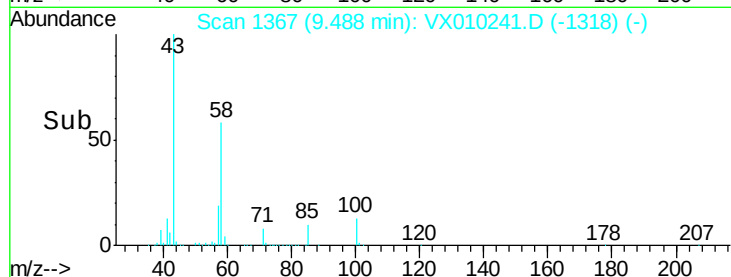
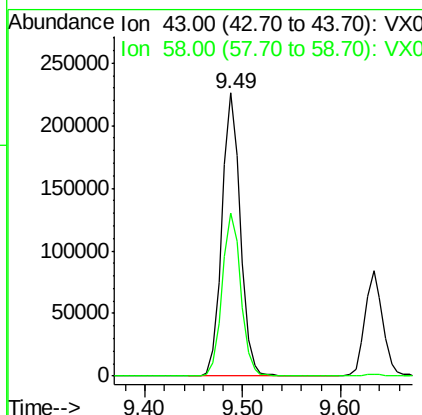
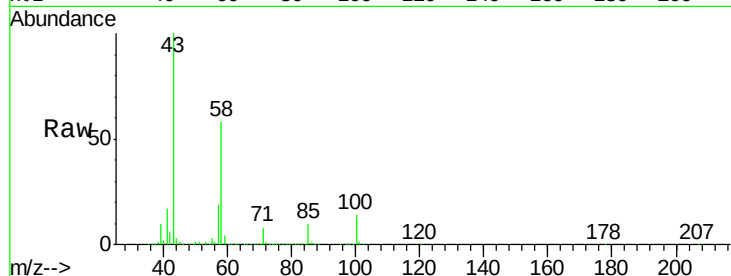
#59
2-Hexanone
Concen: 93.984 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampled :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.7	25.1	75.3

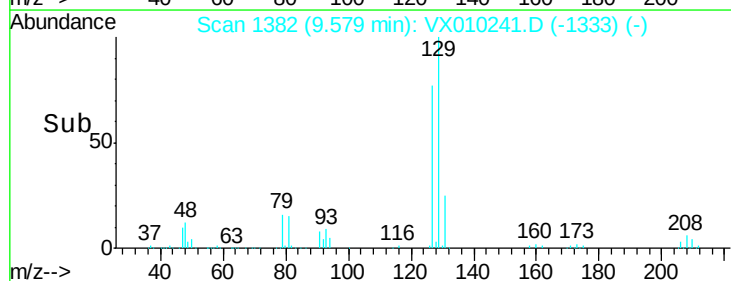
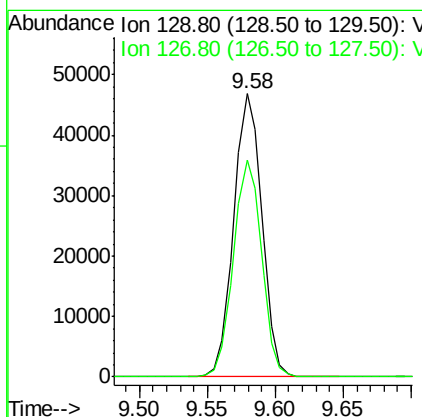
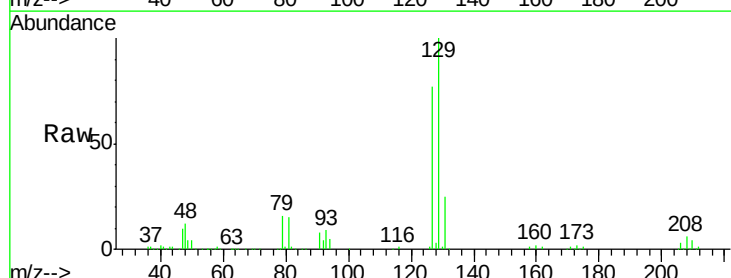
Manual Integrations
APPROVED

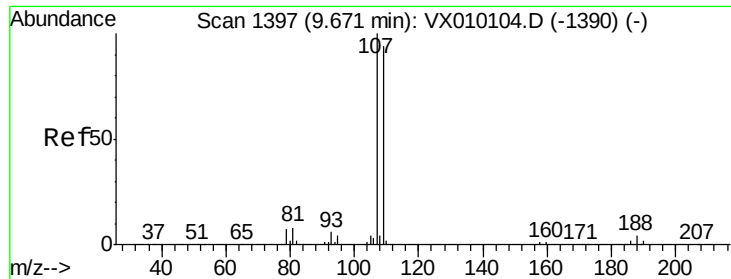
MMDadoda
6/13/2019 9:17:36 AM



#60
Dibromochloromethane
Concen: 18.179 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.5	115.5





#61

1,2-Dibromoethane

Concen: 17.980 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion:107 Resp: 63214

Ion Ratio Lower Upper

107 100

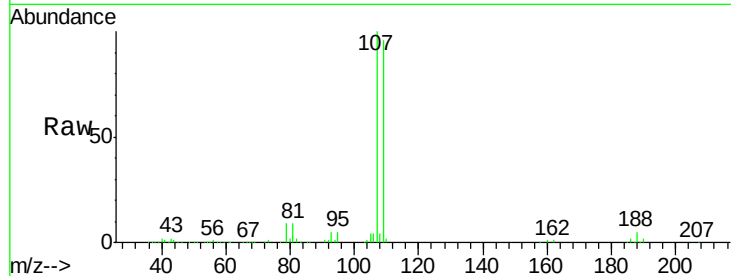
109 96.5 75.4 113.2

Manual Integrations

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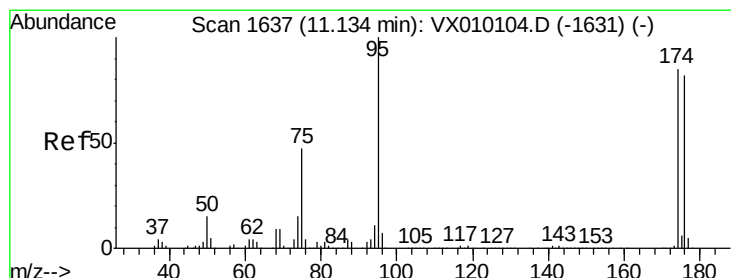
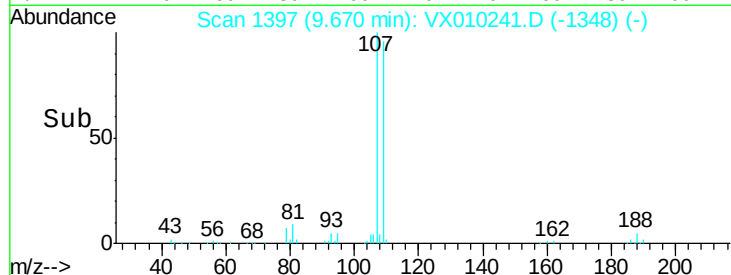
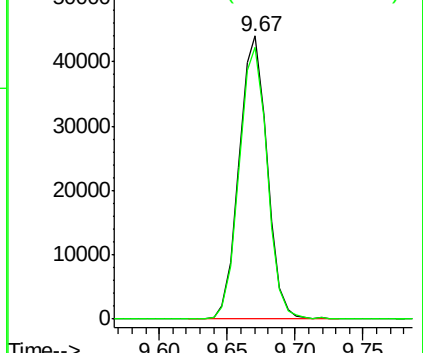
MMDadoda

6/13/2019 9:17:36 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.117 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

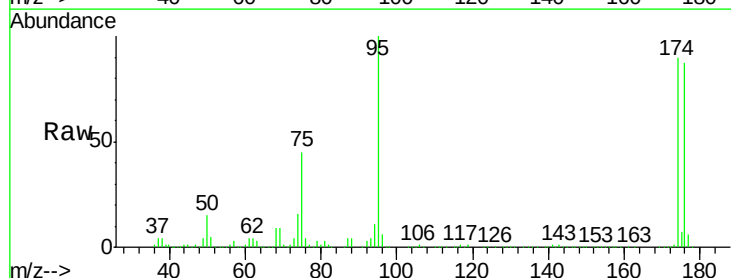
Tgt Ion: 95 Resp: 201109

Ion Ratio Lower Upper

95 100

174 95.5 0.0 160.4

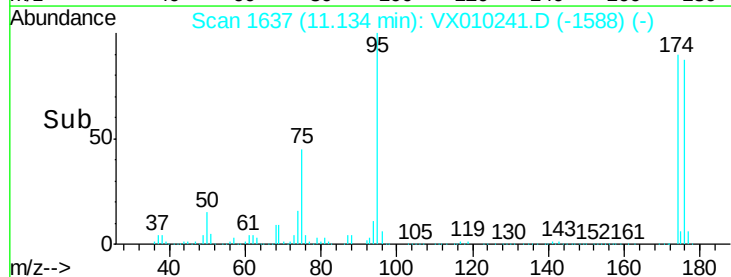
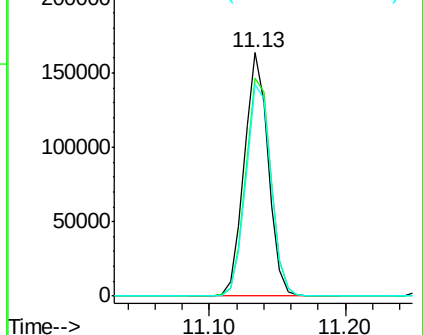
176 91.8 0.0 154.6

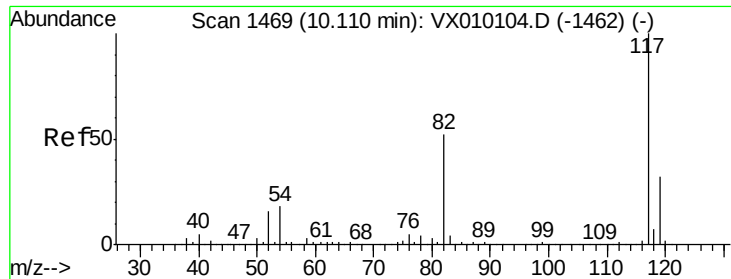


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





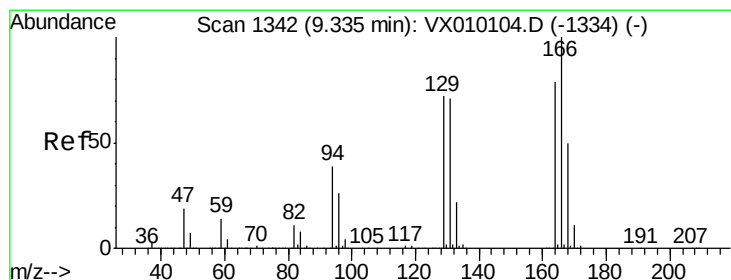
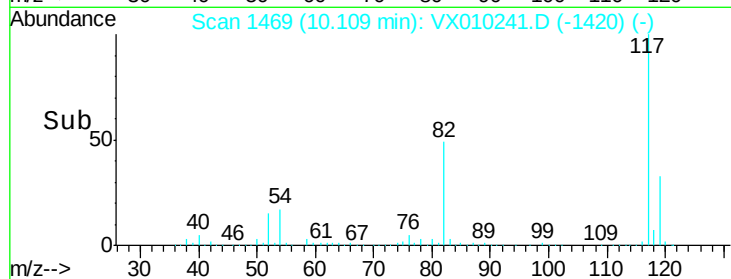
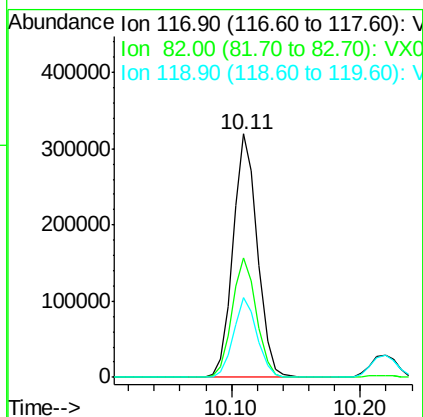
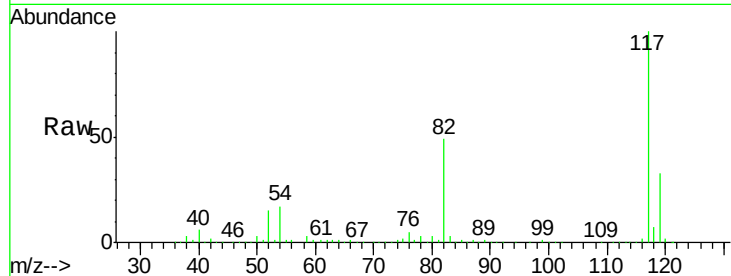
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	49.2	73.8
119	33.0	25.2	37.8

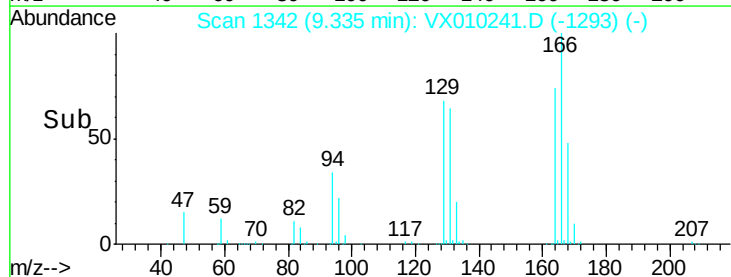
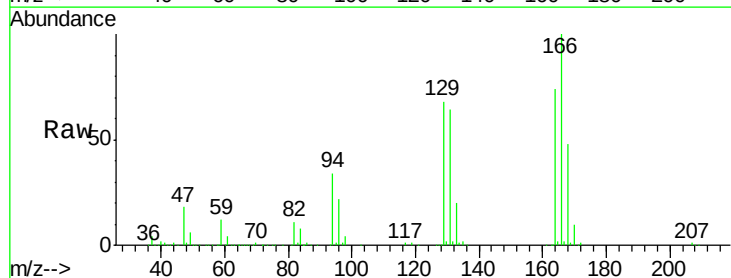
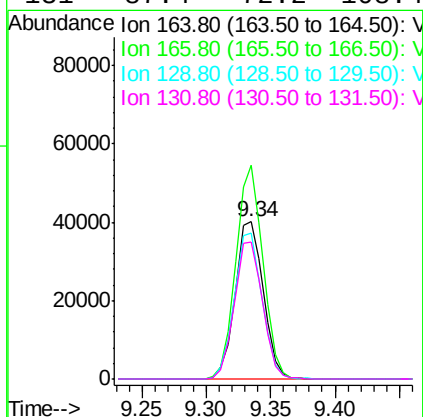
Manual Integrations
APPROVED

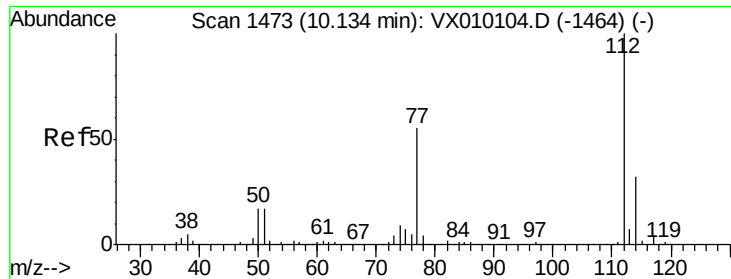
MMDadoda
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#64
Tetrachloroethene
Concen: 19.429 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.8	105.0	157.4
129	92.9	75.1	112.7
131	87.4	72.2	108.4





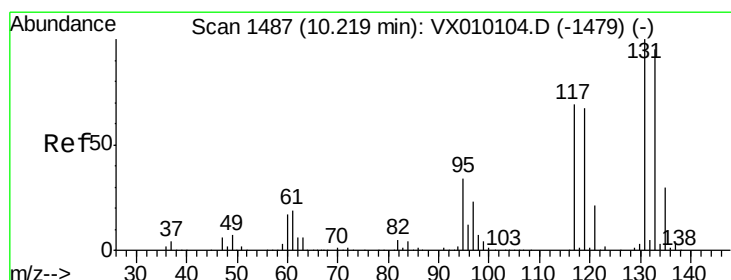
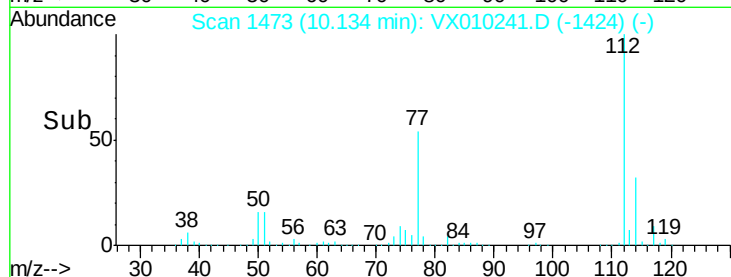
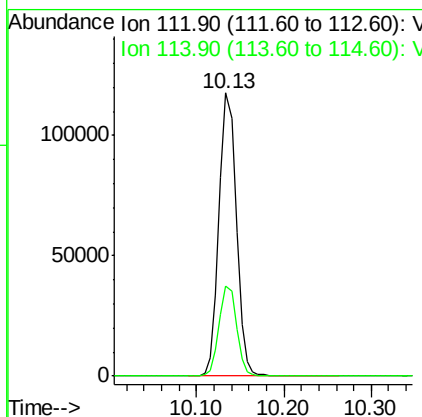
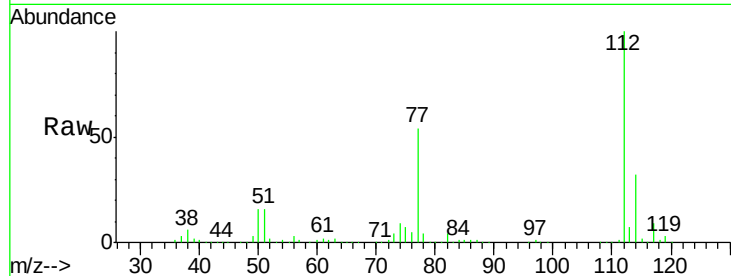
#65
Chlorobenzene
Concen: 18.633 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampled :
VX0612WBS01

Tot Ion:112 Resp: 162065
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8

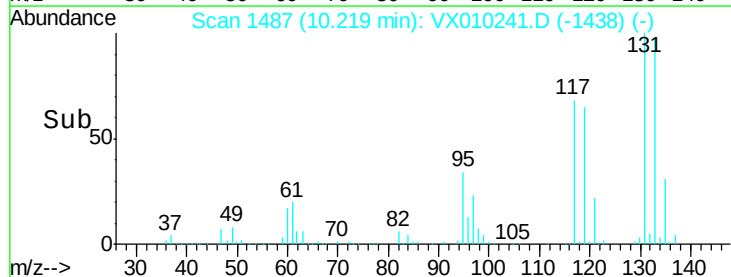
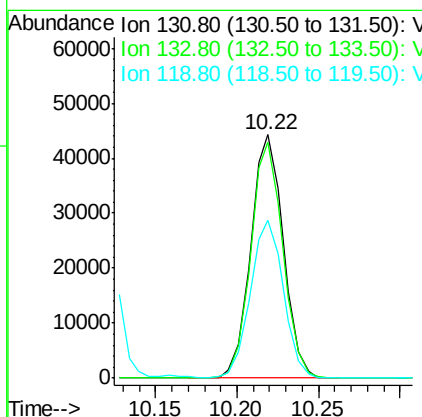
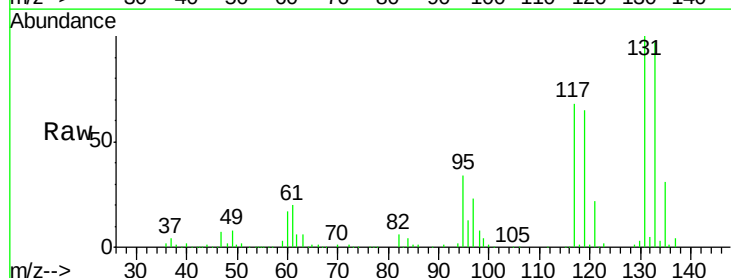
Manual Integrations
APPROVED

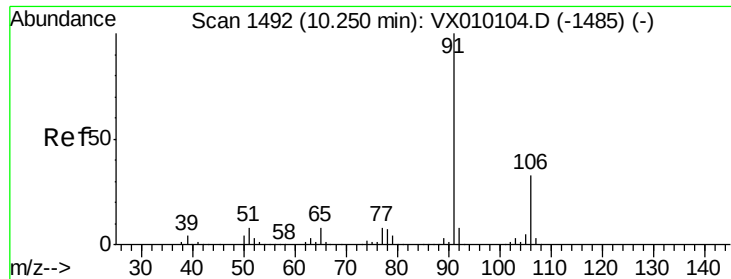
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.297 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion:131 Resp: 61200
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.6
119 65.7 33.4 100.1





#67

Ethyl Benzene

Concen: 18.464 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 91 Resp: 273394

Ion Ratio Lower Upper

91 100

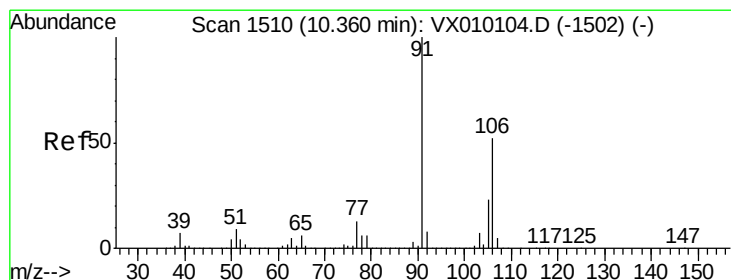
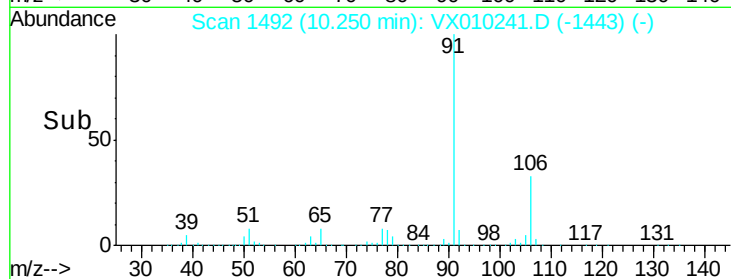
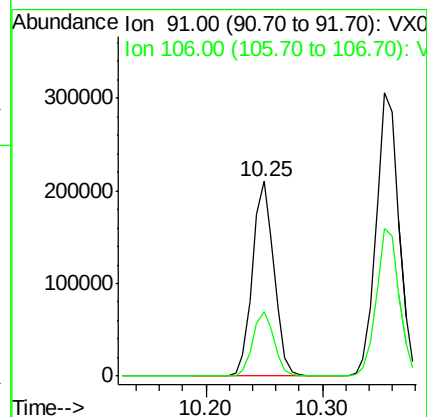
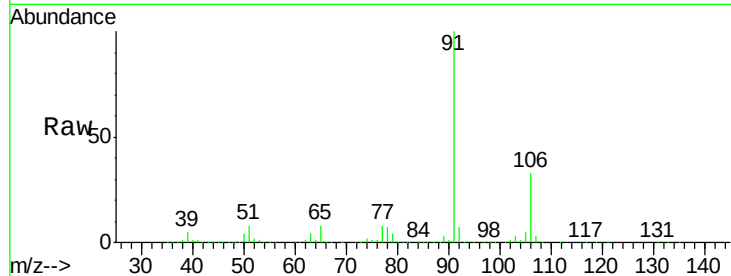
106 33.3 23.9 35.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 37.858 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010241.D

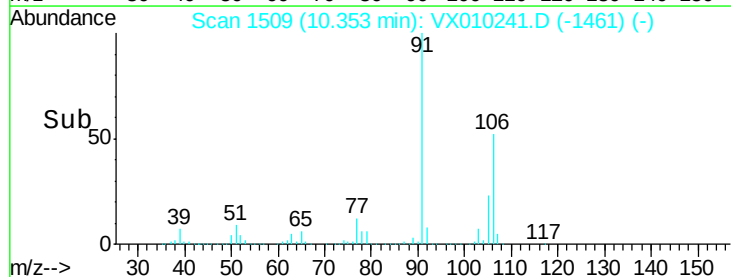
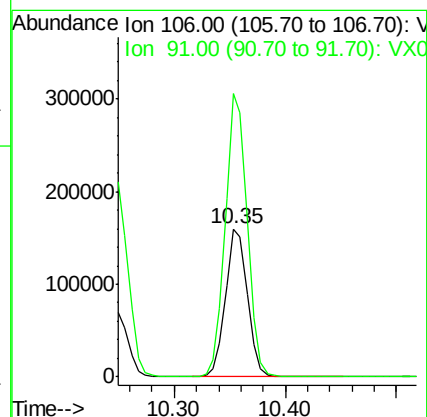
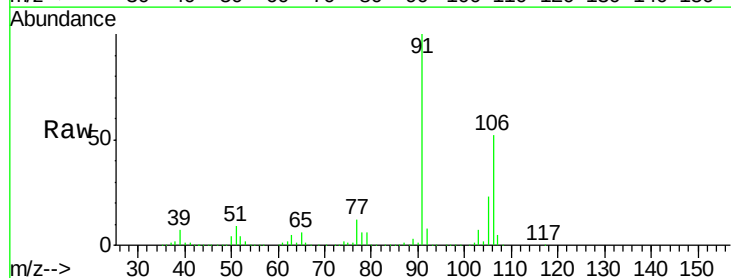
Acq: 12 Jun 2019 11:00

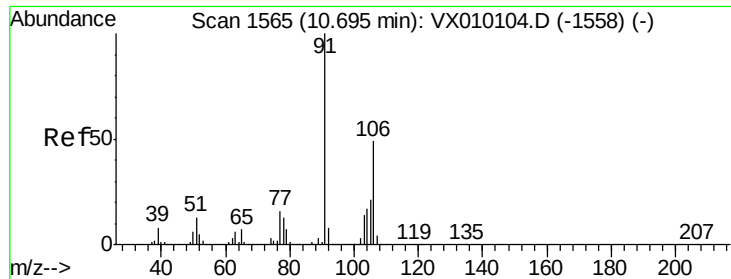
Tgt Ion: 106 Resp: 216921

Ion Ratio Lower Upper

106 100

91 191.1 167.3 250.9





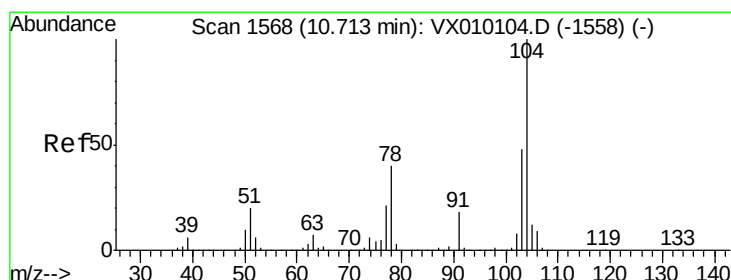
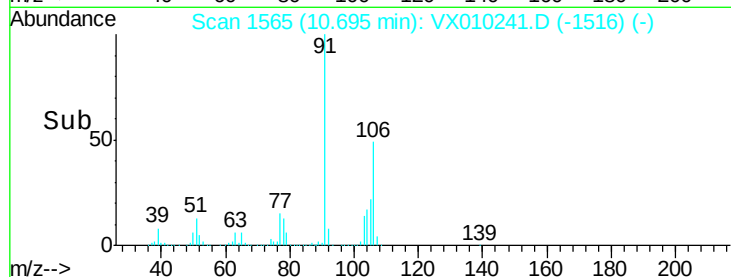
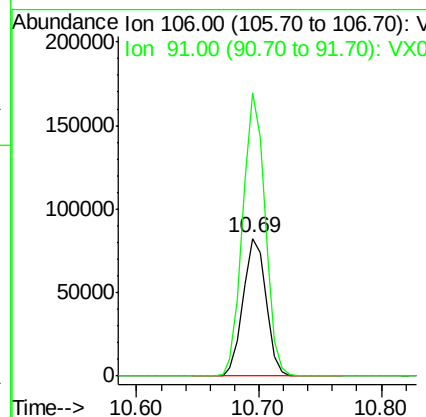
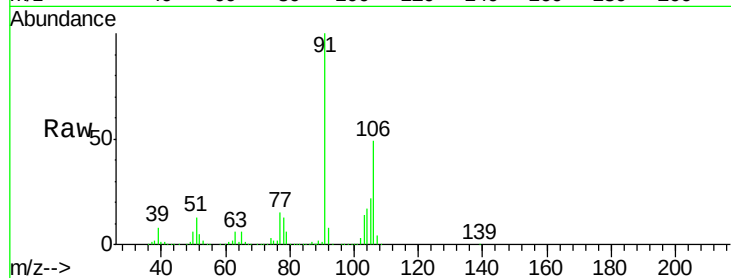
#69
o-Xylene
Concen: 18.649 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	106221		
91	91	201.4	110.4	331.2	

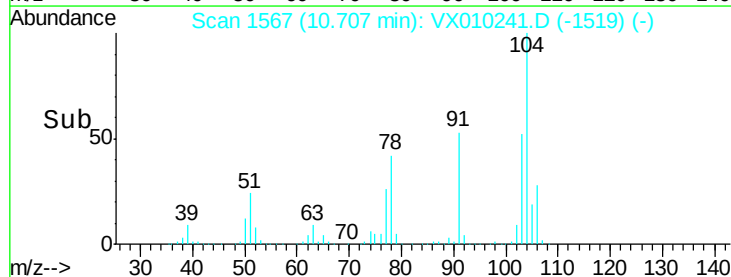
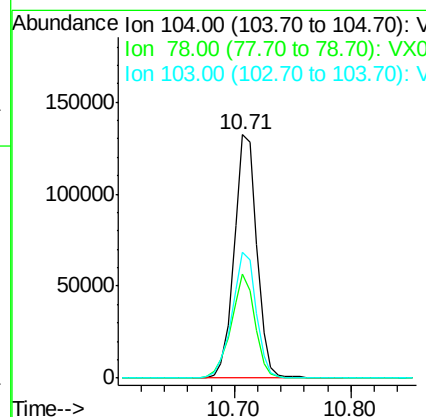
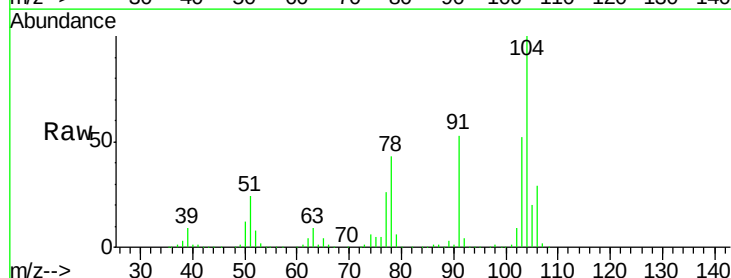
Manual Integrations
APPROVED

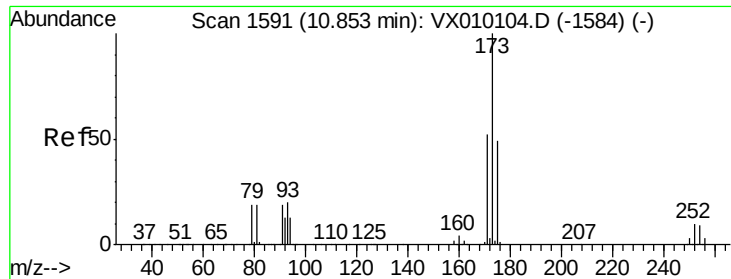
MMDadoda
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#70
Styrene
Concen: 18.597 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010241.D
Acq: 12 Jun 2019 11:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	179395		
78	78	44.7	42.1	63.1	
103	103	54.9	44.1	66.1	





#71

Bromoform

Concen: 17.606 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion:173 Resp: 54137

Ion Ratio Lower Upper

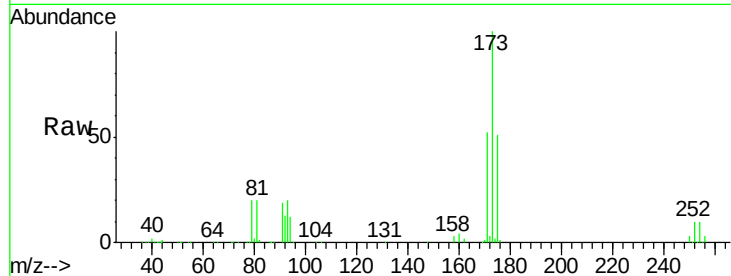
173 100

175 50.1 25.0 75.0

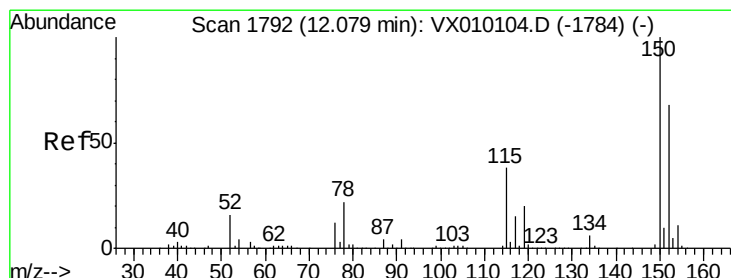
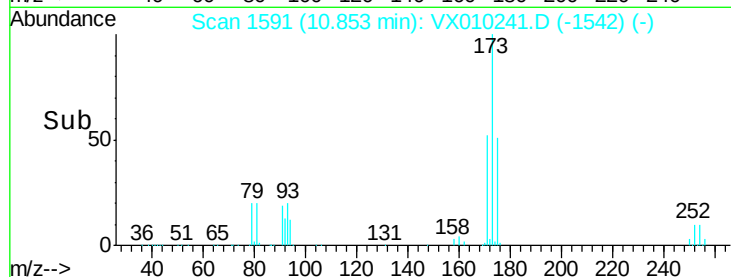
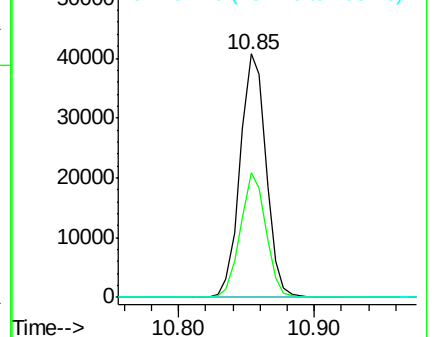
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

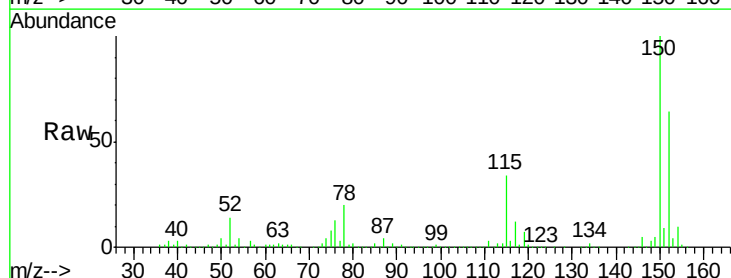
Tgt Ion:152 Resp: 220640

Ion Ratio Lower Upper

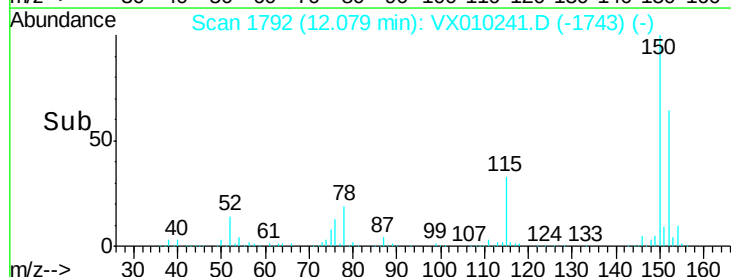
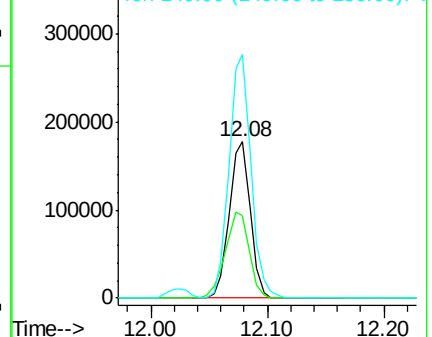
152 100

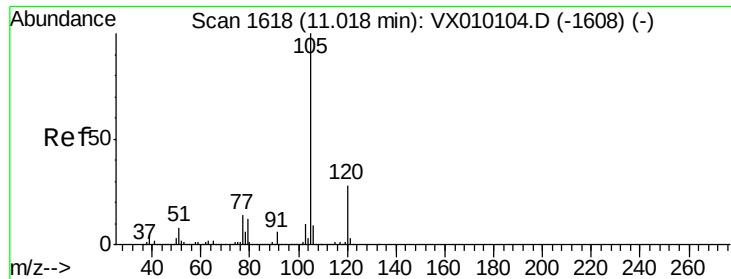
115 62.5 41.4 124.2

150 163.4 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: 18.073 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion:105 Resp: 278370

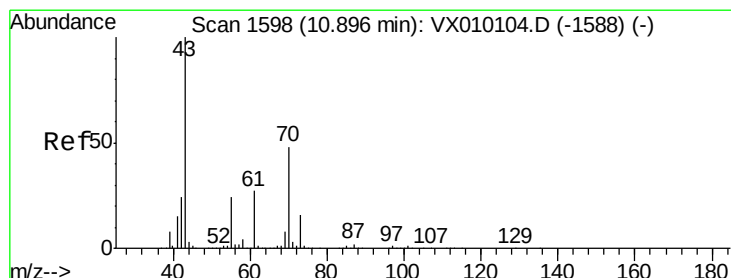
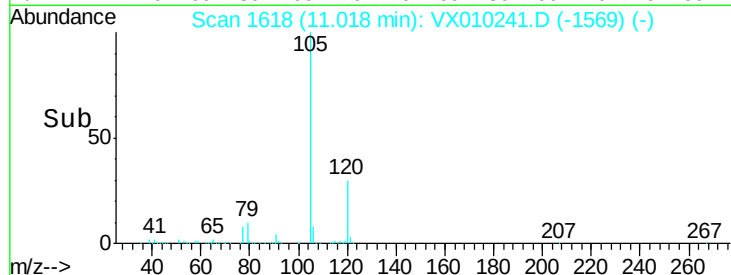
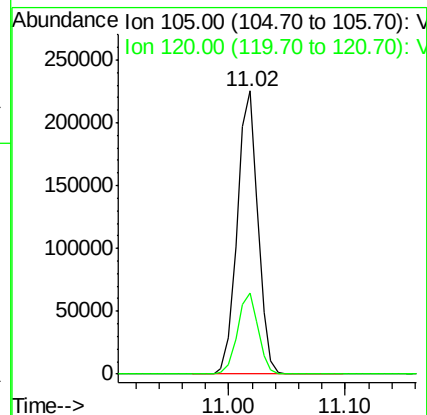
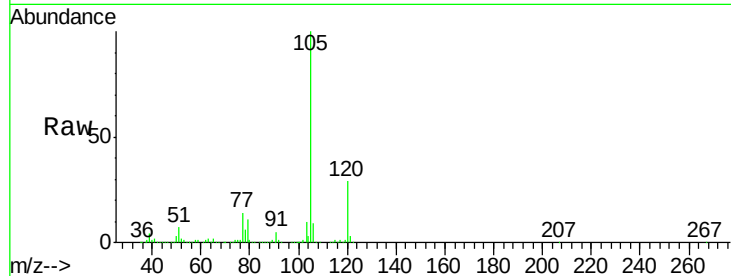
Ion Ratio Lower Upper

105 100

120 28.8 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 17.481 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Tgt Ion: 43 Resp: 106429

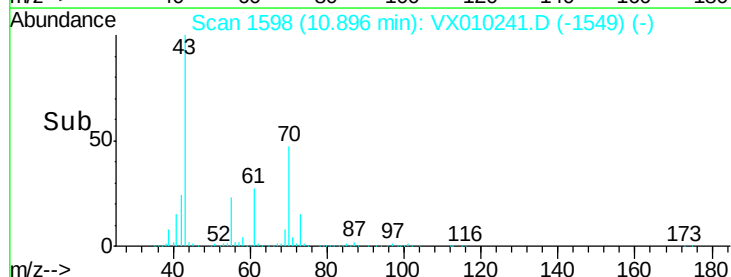
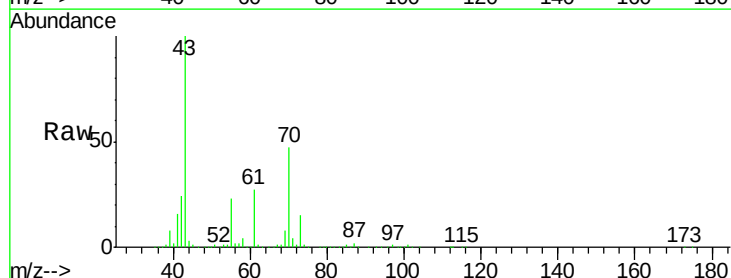
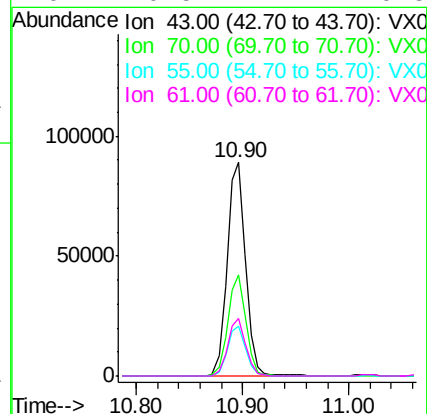
Ion Ratio Lower Upper

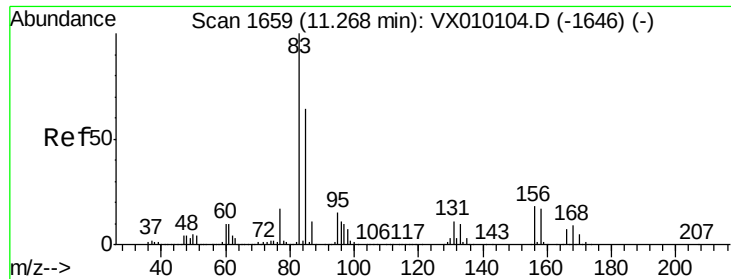
43 100

70 46.8 28.6 43.0#

55 23.3 17.8 26.8

61 26.5 17.7 26.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 17.537 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

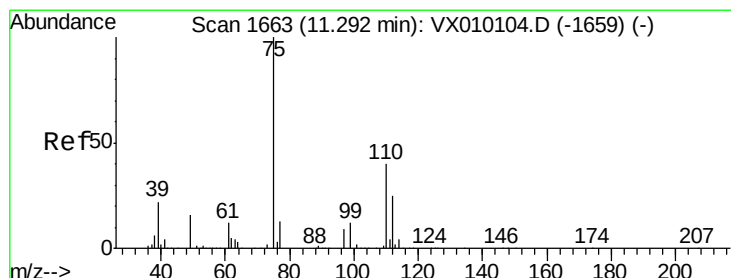
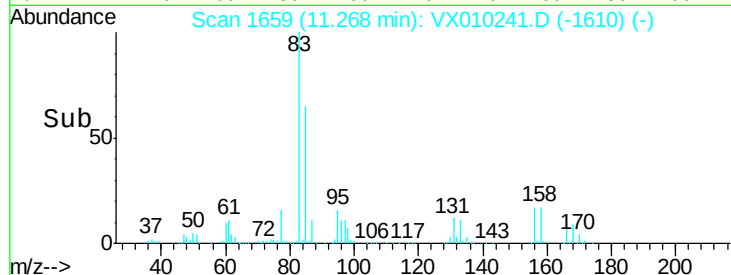
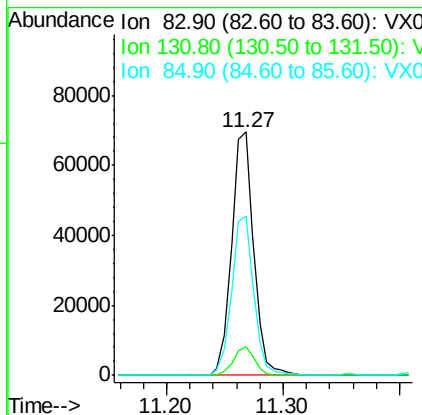
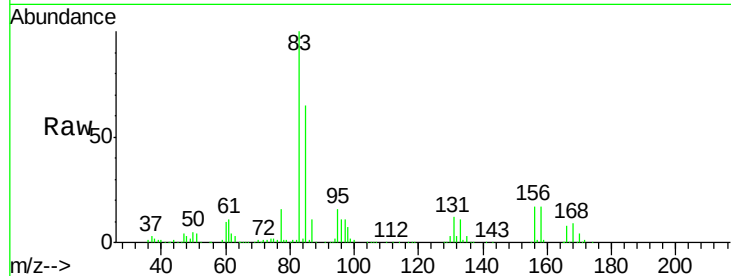
ClientSampleId :

VX0612WBS01

Tot Ion:	83	Resp:	92459
Ion Ratio	Lower	Upper	
83	100		
131	11.2	4.7	14.1
85	65.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.239 ug/l m

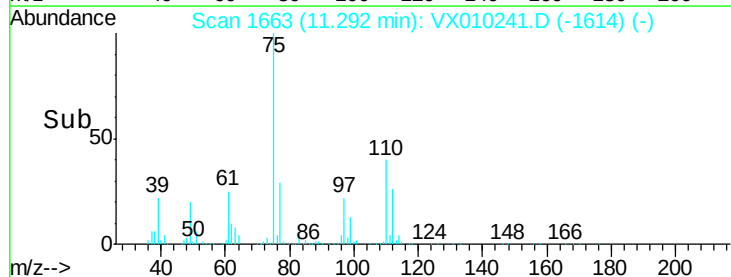
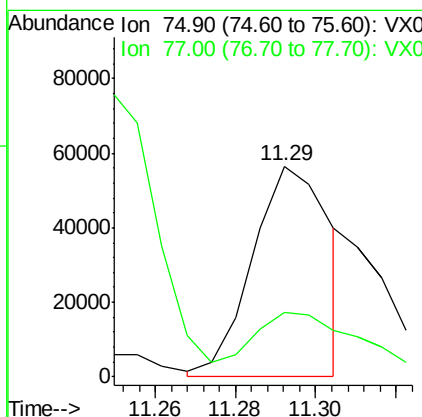
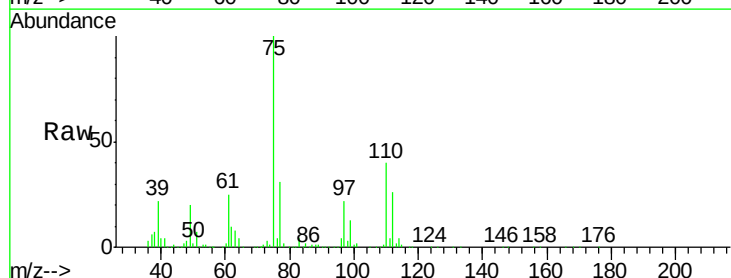
RT: 11.29 min Scan# 1663

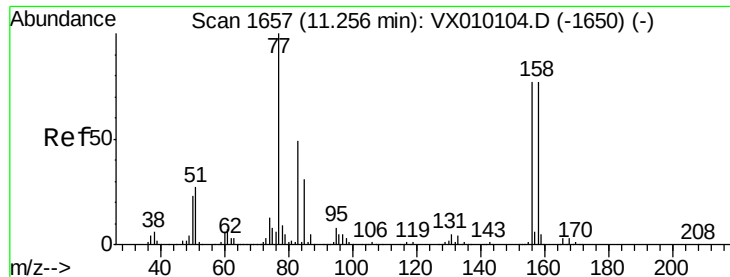
Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Tgt Ion:	75	Resp:	76079
Ion Ratio	Lower	Upper	
75	100		
77	43.3	22.1	66.1





#77

Bromobenzene

Concen: 18.126 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion:156 Resp: 76771

Ion Ratio Lower Upper

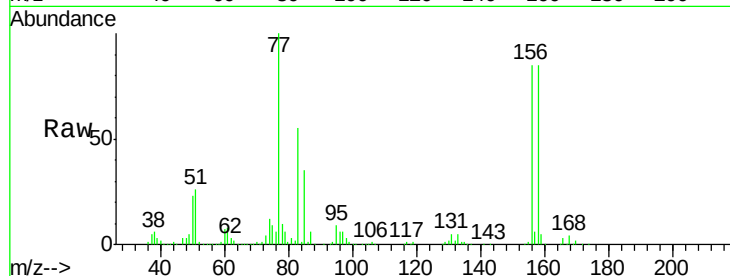
156 100

77 129.2 86.8 260.3

158 96.9 49.6 148.8

Manual Integrations
APPROVED

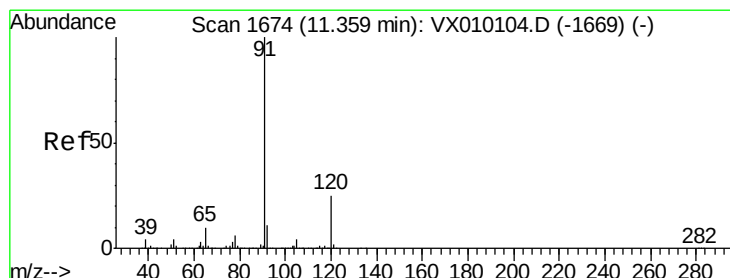
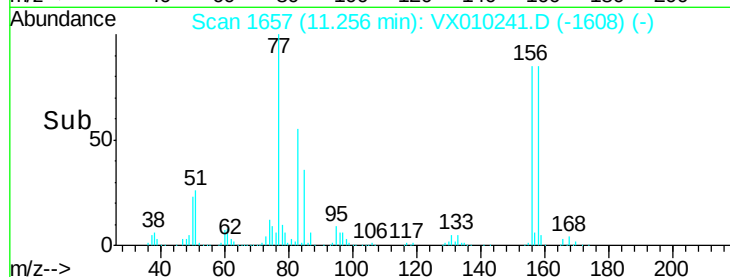
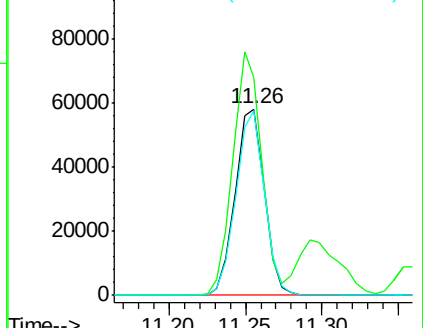
MMDadoda
6/13/2019 9:17:36 AM



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: 18.126 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010241.D

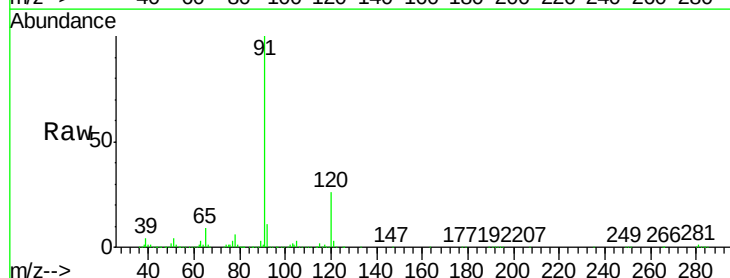
Acq: 12 Jun 2019 11:00

Tgt Ion: 91 Resp: 310806

Ion Ratio Lower Upper

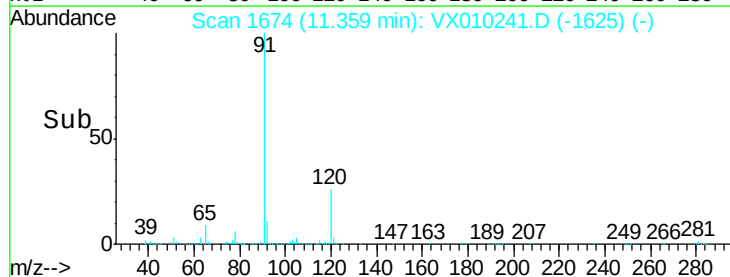
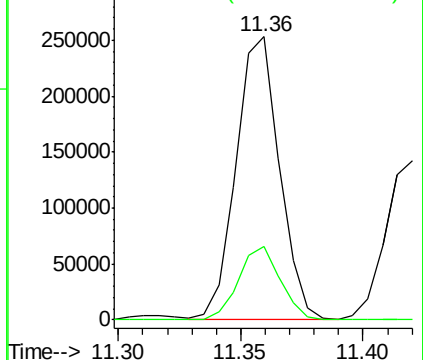
91 100

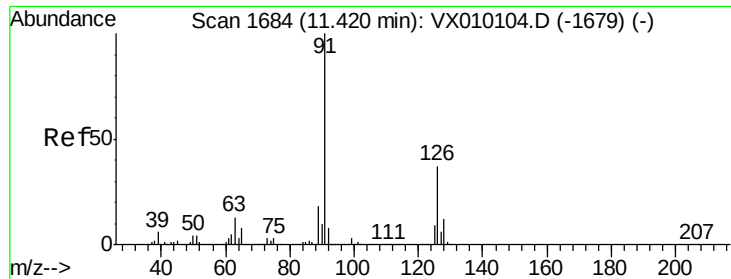
120 25.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.571 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 91 Resp: 180953

Ion Ratio Lower Upper

91 100

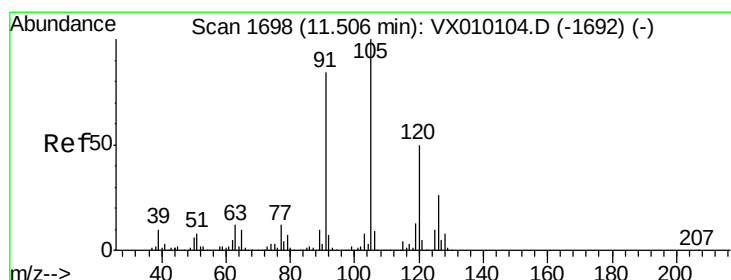
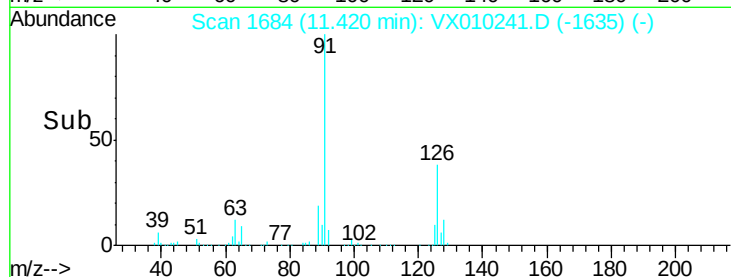
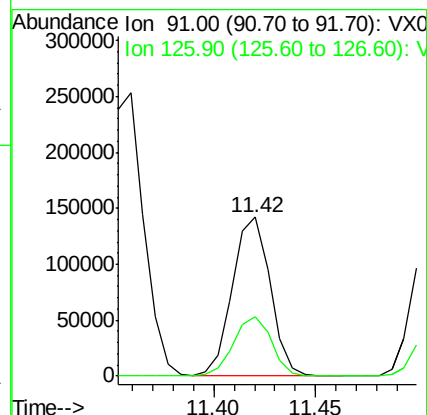
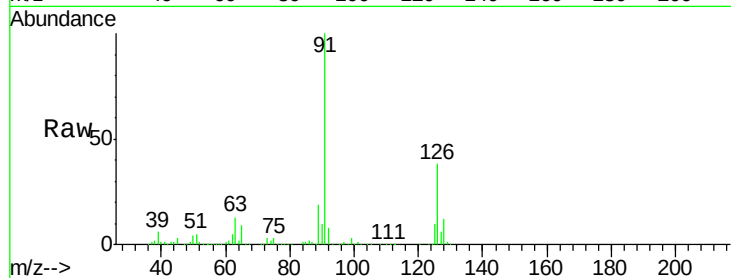
126 38.0 16.1 48.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.196 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010241.D

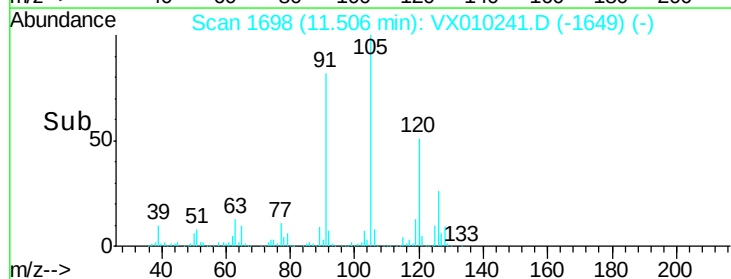
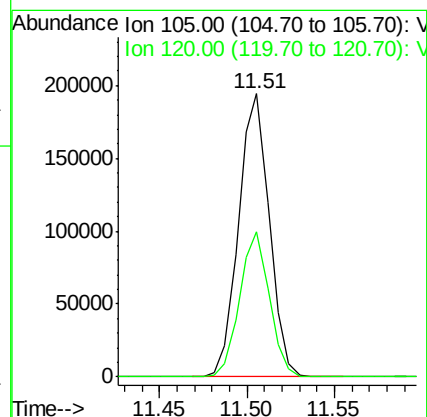
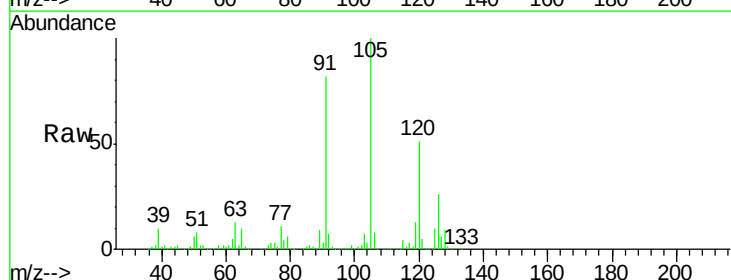
Acq: 12 Jun 2019 11:00

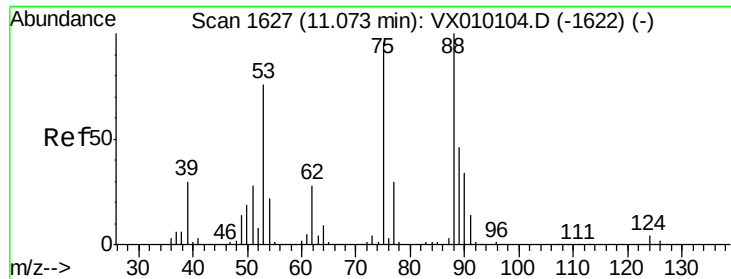
Tgt Ion: 105 Resp: 236051

Ion Ratio Lower Upper

105 100

120 49.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 16.064 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBS01

Tot Ion: 75 Resp: 32088

Ion Ratio Lower Upper

75 100

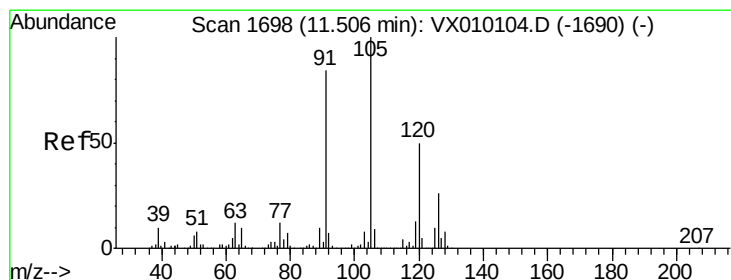
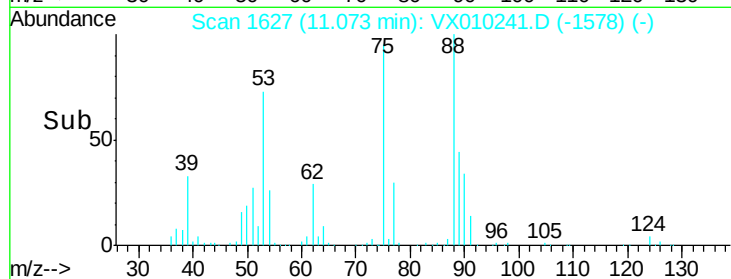
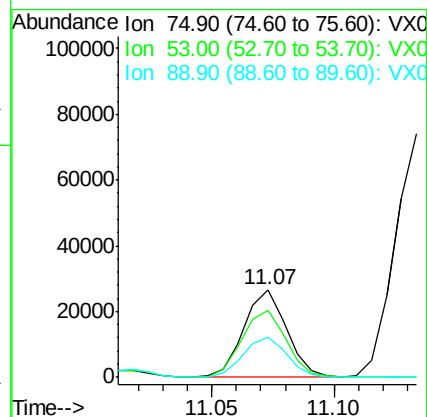
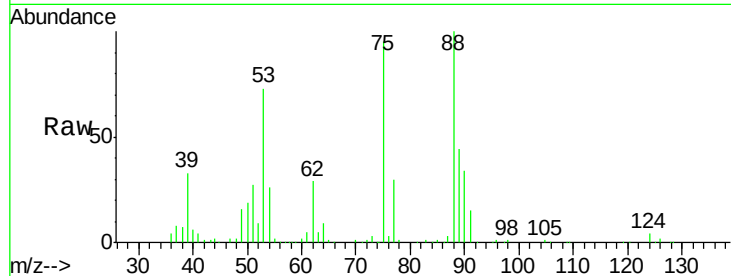
53 80.4 79.8 119.6

89 47.3 34.2 51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.863 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010241.D

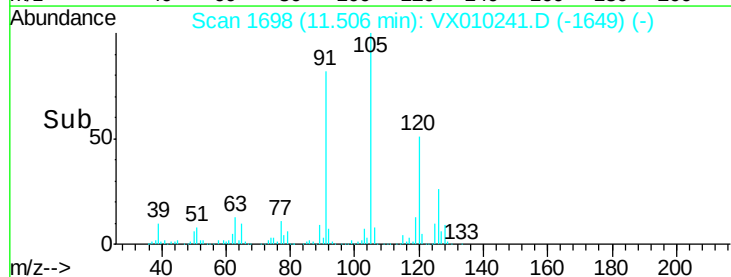
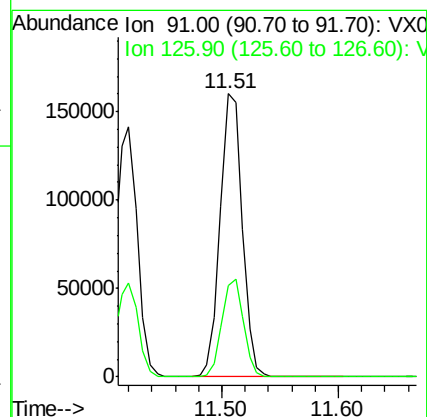
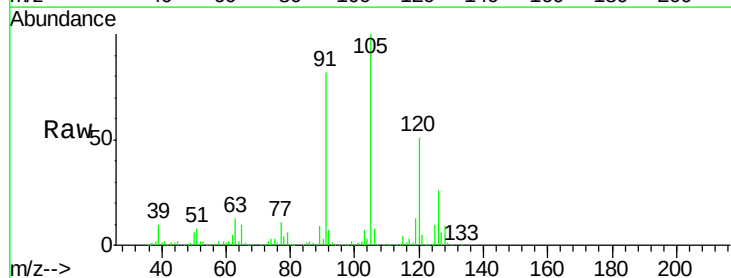
Acq: 12 Jun 2019 11:00

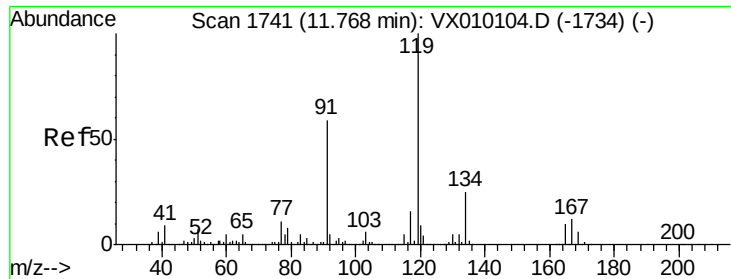
Tgt Ion: 91 Resp: 208978

Ion Ratio Lower Upper

91 100

126 33.6 14.2 42.6





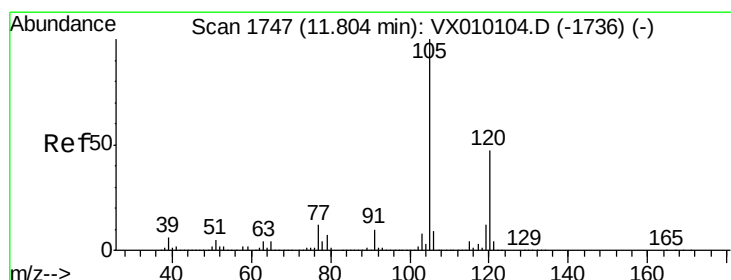
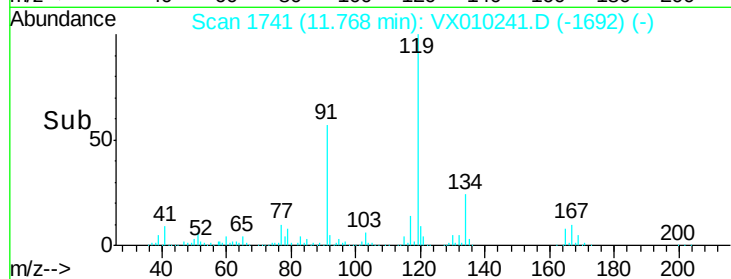
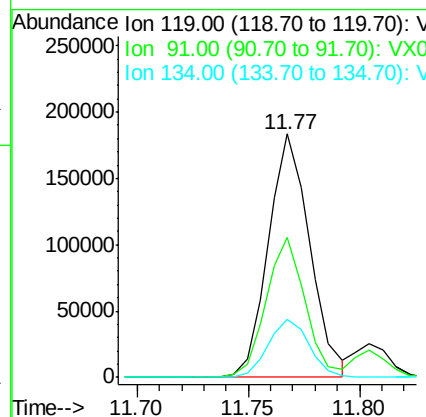
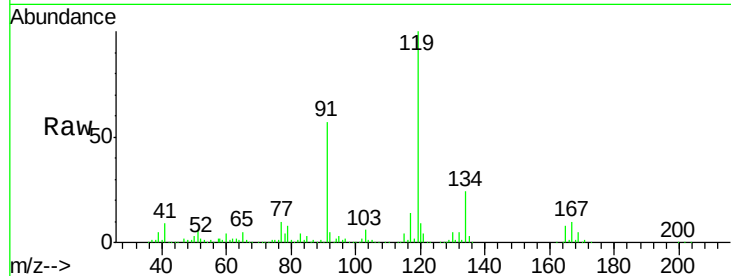
#83
 tert-Butylbenzene
 Concen: 18.062 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	237163		
91	54.1	30.0	90.0	
134	23.6	11.2	33.5	

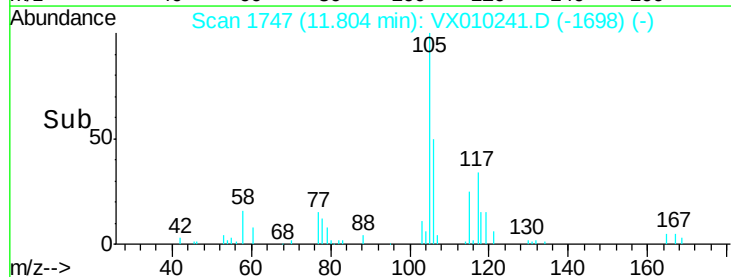
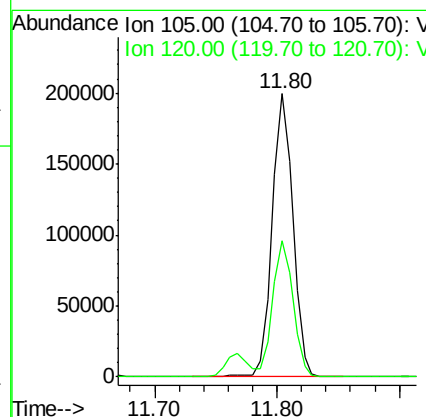
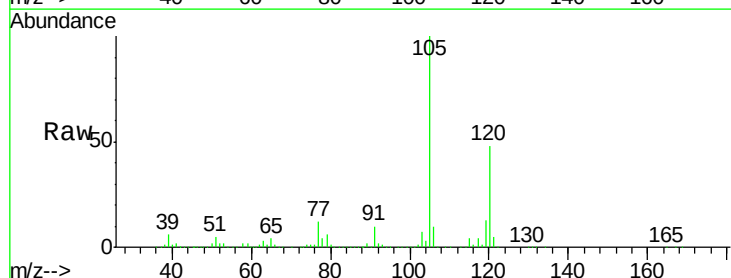
Manual Integrations
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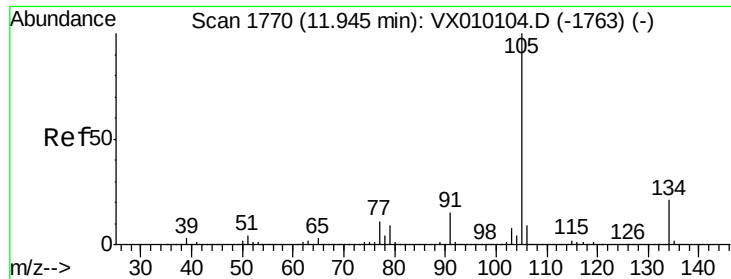
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 6/13/2019 9:17:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 17.956 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	235285		
120	47.7	22.1	66.1	





#85

sec-Butylbenzene

Concen: 18.236 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VX0612WBS01

Tot Ion:105 Resp: 278954

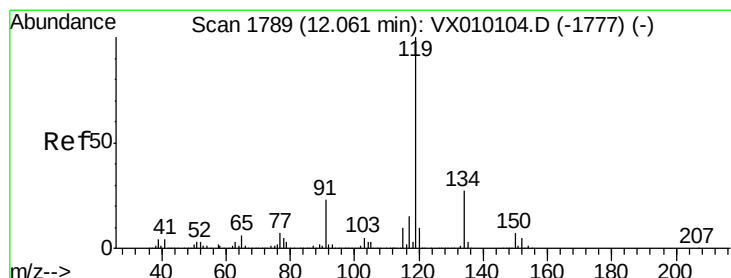
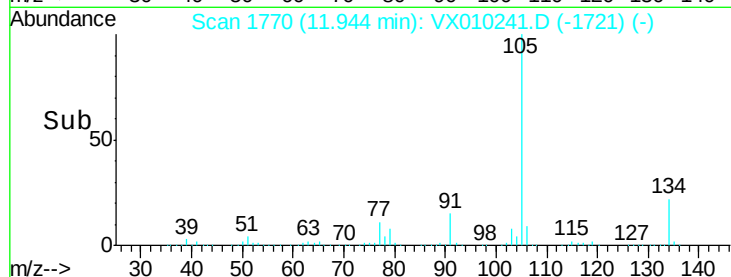
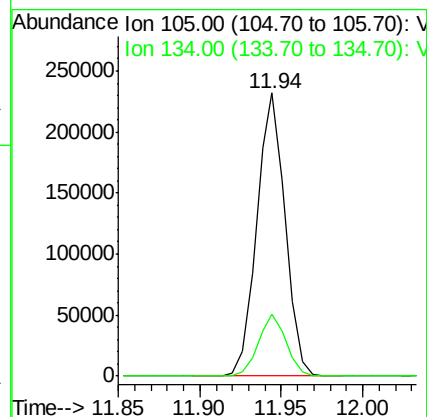
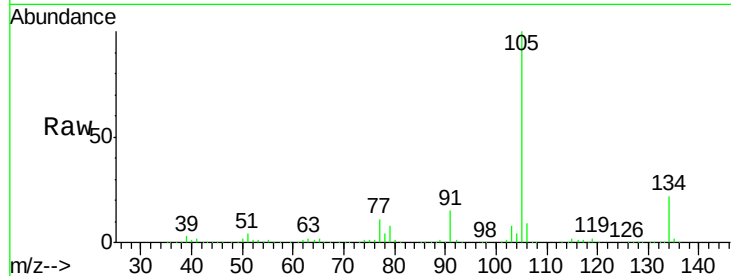
Ion Ratio Lower Upper

105 100

134 21.5 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 18.512 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

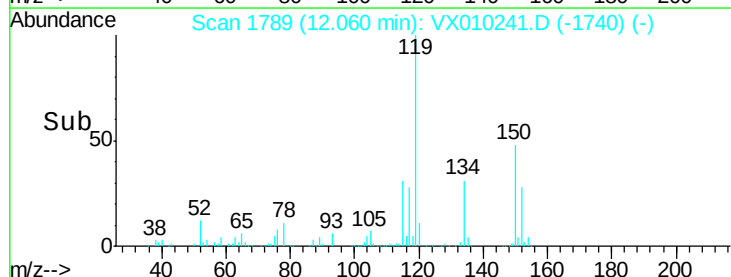
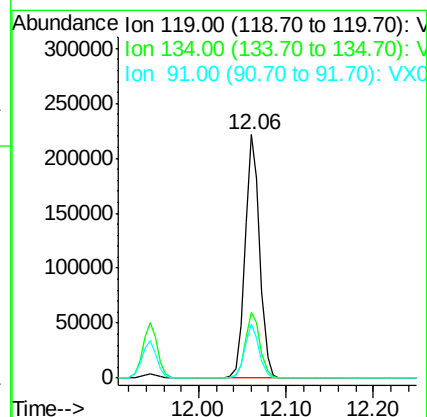
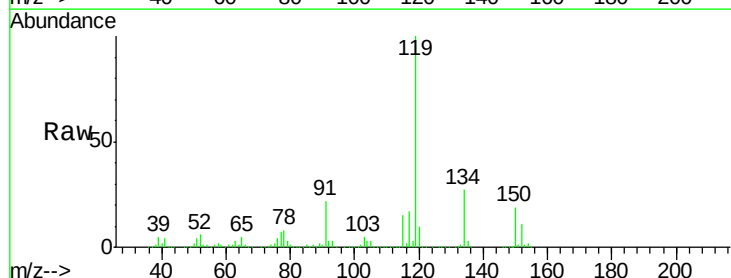
Tgt Ion:119 Resp: 258884

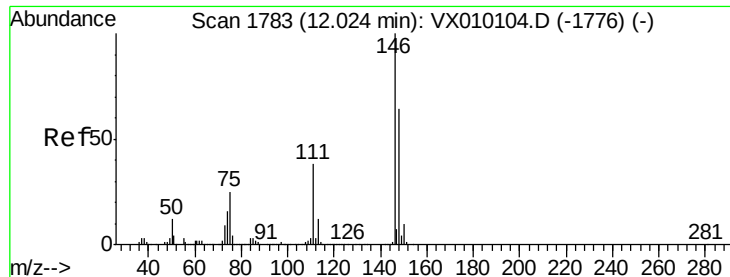
Ion Ratio Lower Upper

119 100

134 27.5 12.9 38.6

91 21.8 11.9 35.9





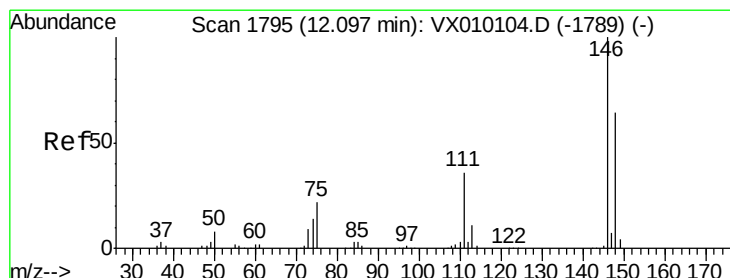
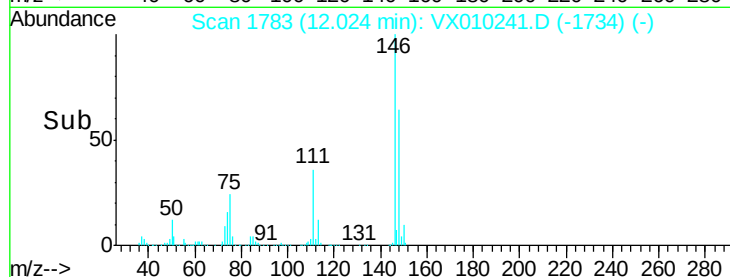
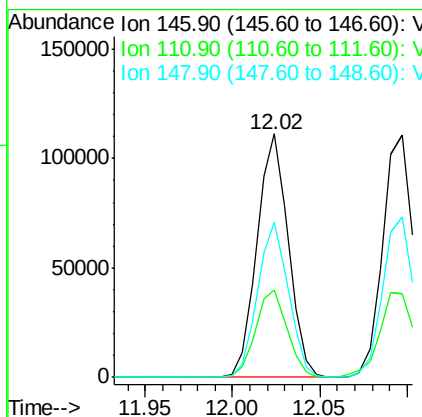
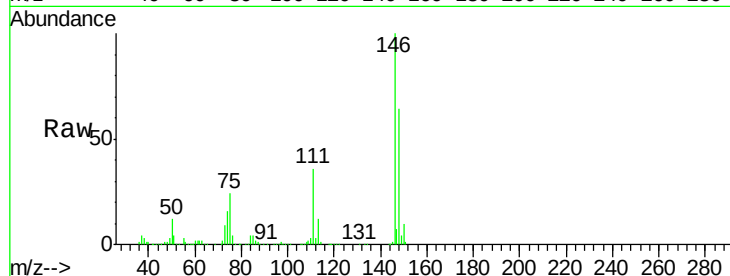
#87
 1,3-Dichlorobenzene
 Concen: 18.517 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	20.1	60.2
148	63.0	31.9	95.5

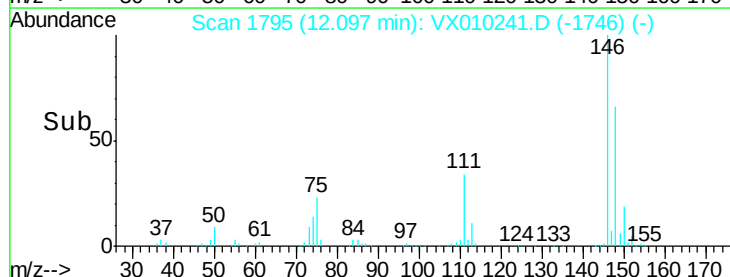
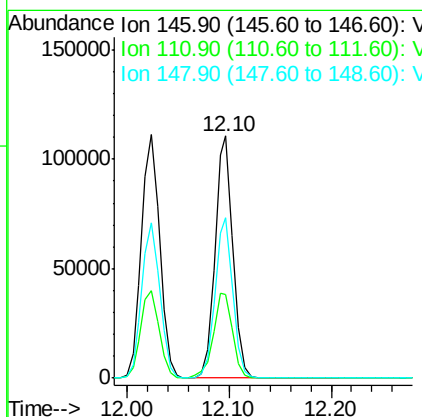
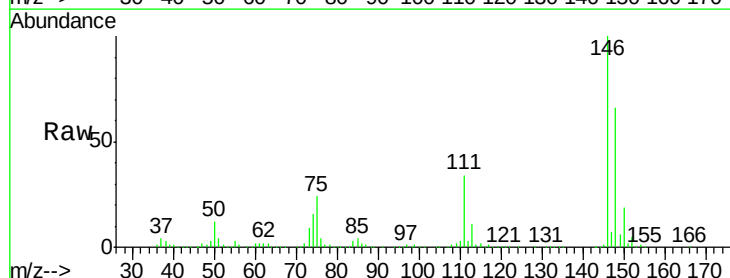
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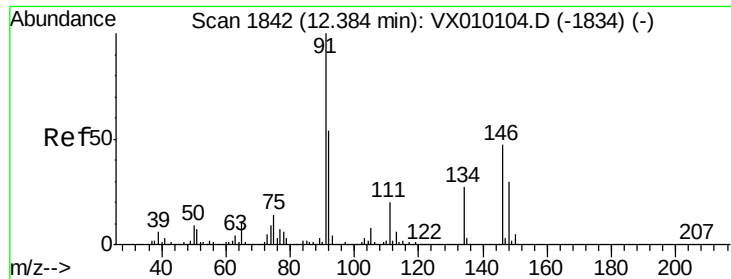
MMDadoda
 6/13/2019 9:17:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.127 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.0	59.9
148	66.1	32.3	96.9





#89

n-Butylbenzene

Concen: 18.243 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

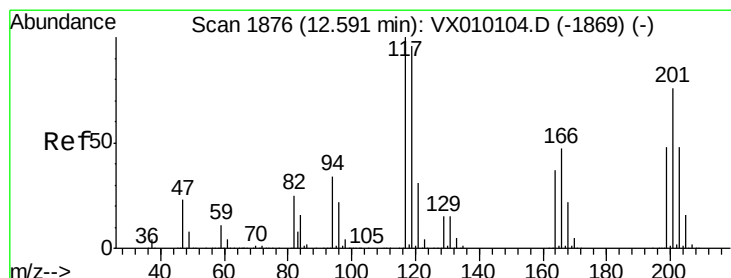
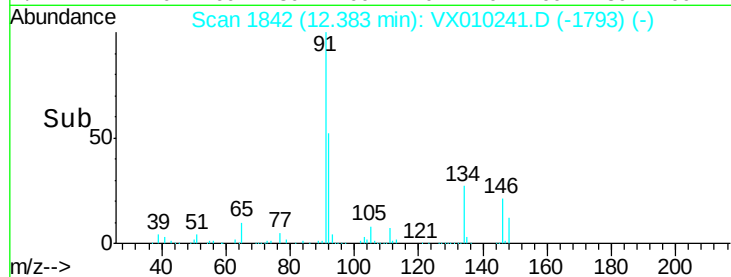
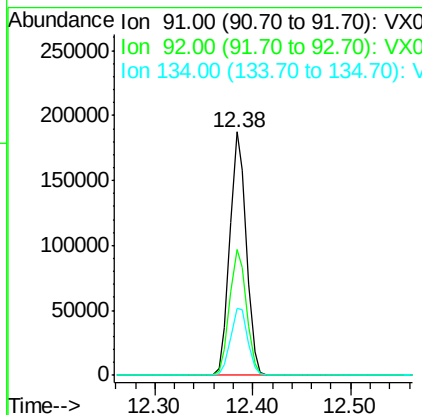
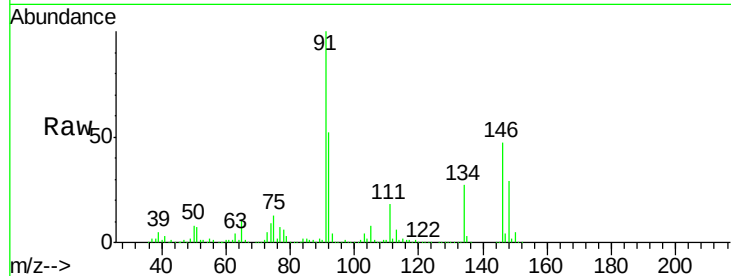
ClientSampleId :

VX0612WBS01

Tot Ion:	91	Resp:	219601
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.8
134	28.6	12.3	36.8

Manual Integrations
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#90

Hexachloroethane

Concen: 16.722 ug/l

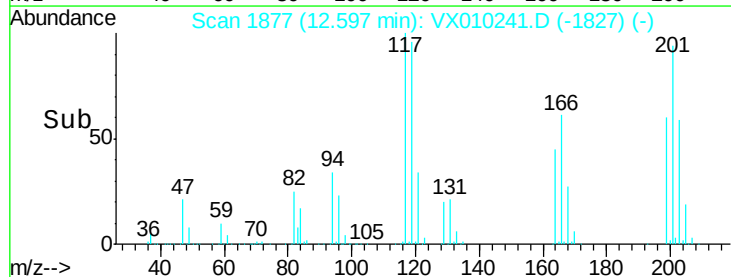
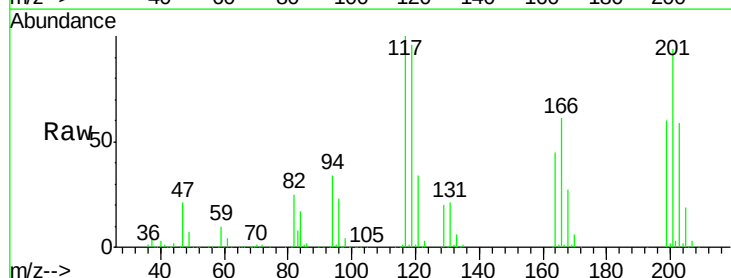
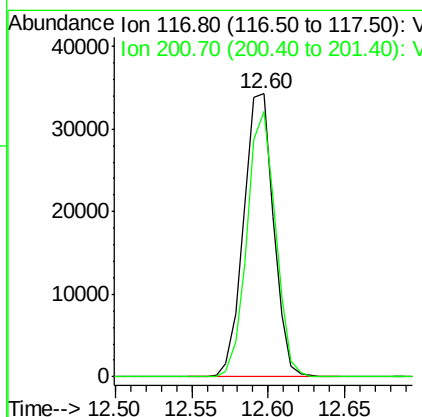
RT: 12.60 min Scan# 1877

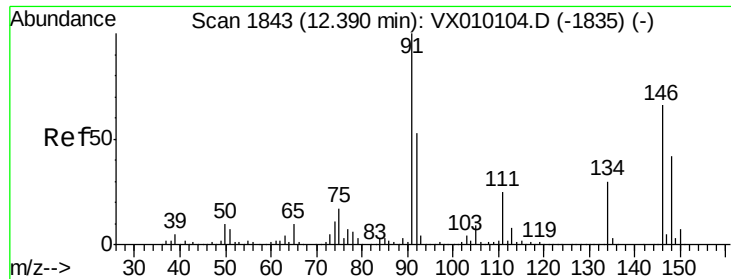
Delta R.T. 0.01 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Tgt Ion:	117	Resp:	46583
Ion	Ratio	Lower	Upper
117	100		
201	88.9	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 18.913 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

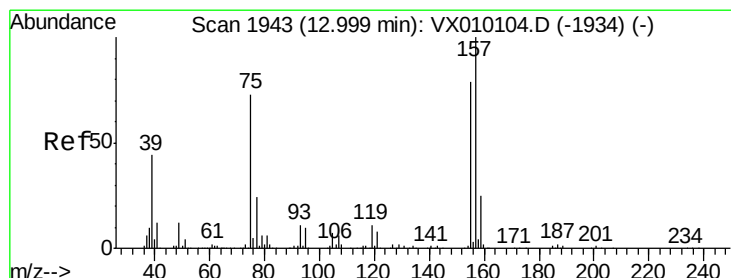
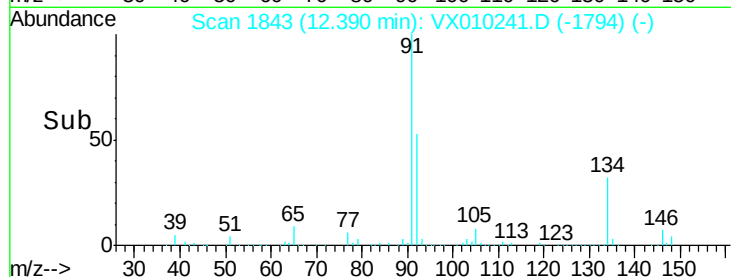
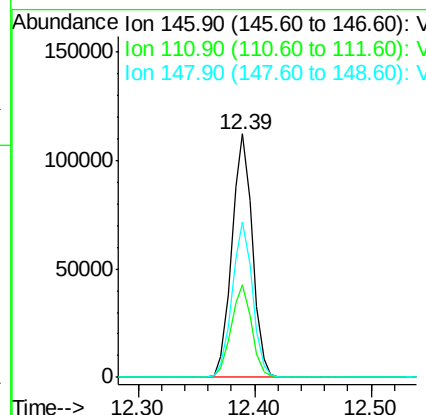
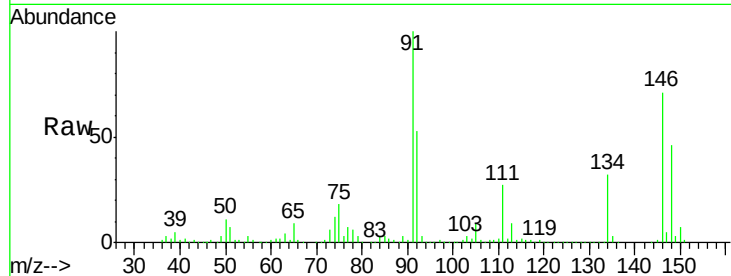
ClientSampleId :

VX0612WBS01

Tot Ion:	146	Resp:	137173
Ion Ratio	Lower	Upper	
146	100		
111	37.7	21.1	63.1
148	63.6	32.3	96.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.103 ug/l

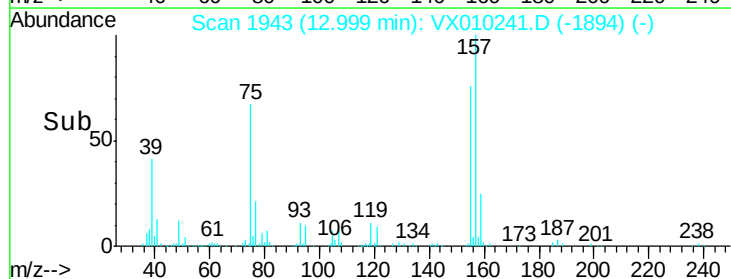
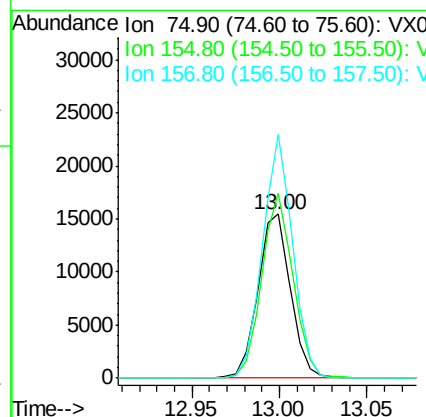
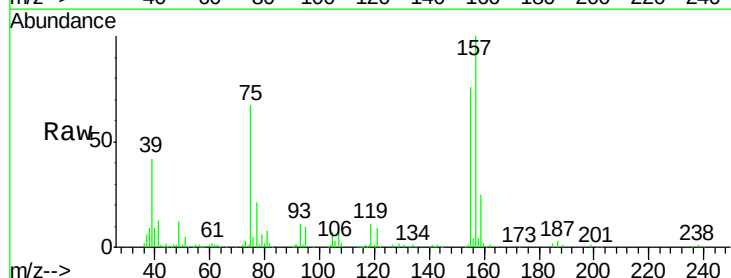
RT: 13.00 min Scan# 1943

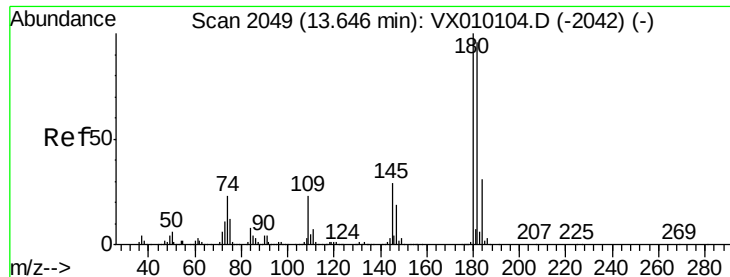
Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Tgt Ion:	75	Resp:	19979
Ion Ratio	Lower	Upper	
75	100		
155	108.5	39.3	117.8
157	137.1	50.6	151.8





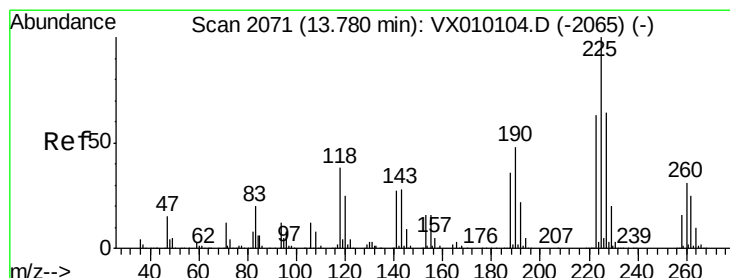
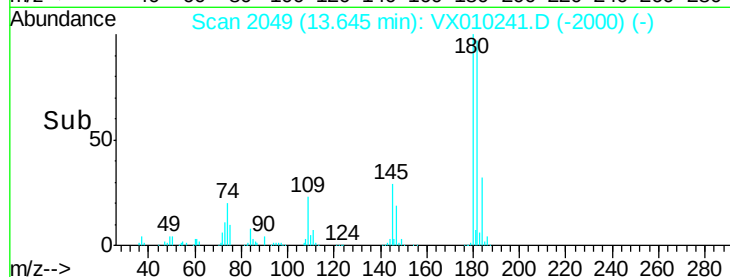
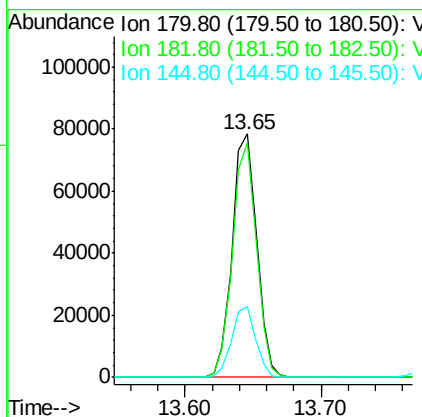
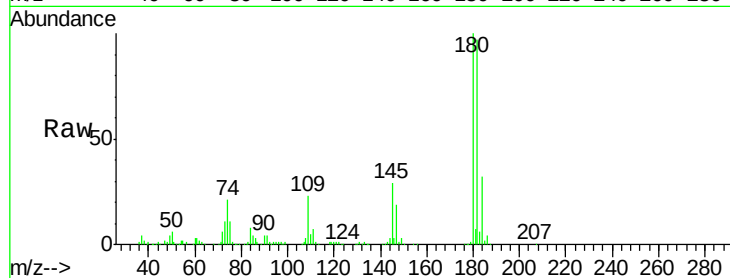
#93
 1,2,4-Trichlorobenzene
 Concen: 18.623 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	98870		
182	94.2		47.4	142.2
145	28.6		14.5	43.5

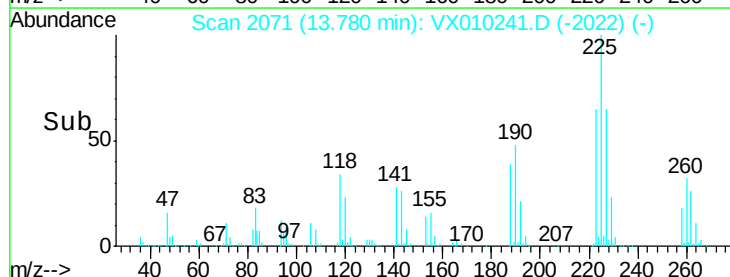
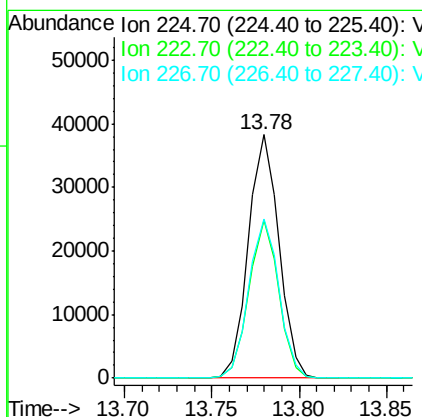
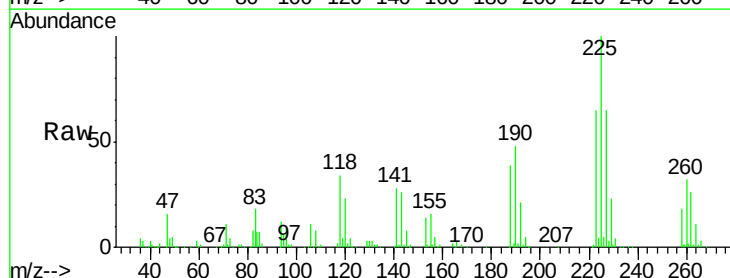
Manual Integrations
 APPROVED

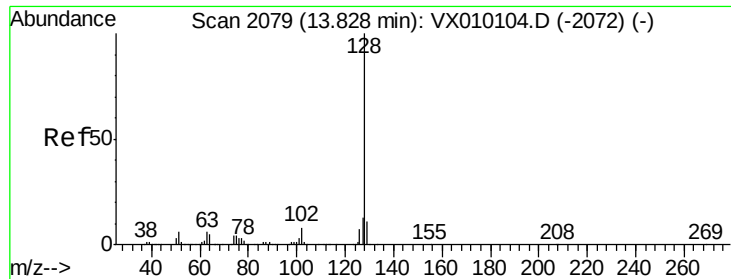
MMDadoda
 6/13/2019 9:17:36 AM



#94
 Hexachlorobutadiene
 Concen: 19.697 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010241.D
 Acq: 12 Jun 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46508		
223	62.9		31.3	93.8
227	64.7		32.3	96.8





#95

Naphthalene

Concen: 17.889 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Instrument :

MSVOA_X

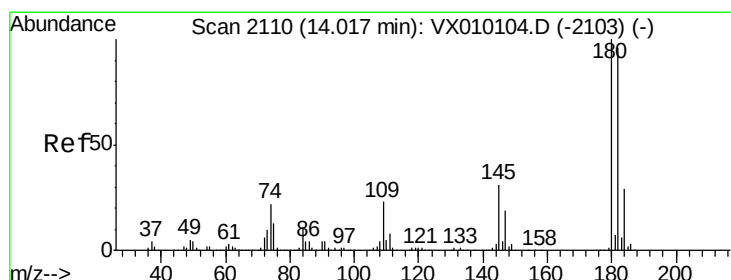
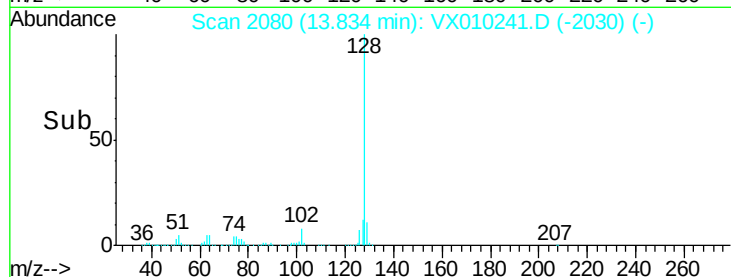
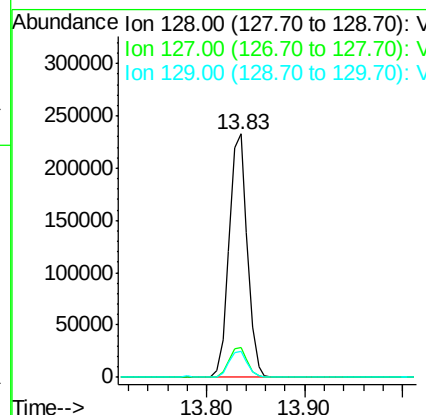
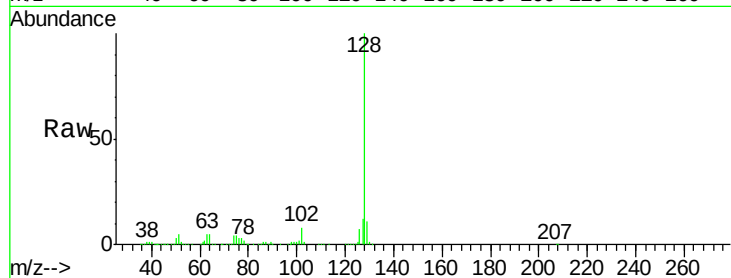
ClientSampleId :

VX0612WBS01

Tot Ion:	128	Resp:	298971
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.6	16.0
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/13/2019 9:17:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.193 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010241.D

Acq: 12 Jun 2019 11:00

Tgt Ion:	180	Resp:	100752
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.3	142.0
145	29.3	15.6	46.7

