

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010216.D
 Acq On : 11 Jun 2019 07:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:53:41 AM

Quant Time: Jun 11 09:00:41 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	237806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	365366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	338498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	120592	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	5.50	113	121082	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
50) Toluene-d8	8.71	98	465447	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
62) 4-Bromofluorobenzene	11.13	95	168577	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	113972	52.086	ug/l	98
3) Chloromethane	1.32	50	108795	50.065	ug/l	100
4) Vinyl Chloride	1.41	62	117955	57.753	ug/l	100
5) Bromomethane	1.64	94	45684	59.275	ug/l	97
6) Chloroethane	1.71	64	66336	64.420	ug/l	98
7) Trichlorofluoromethane	1.92	101	178108	58.707	ug/l	98
8) Diethyl Ether	2.19	74	62206	59.490	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	99141	47.407	ug/l	91
10) Methyl Iodide	2.51	142	166241	51.306	ug/l	98
11) Tert butyl alcohol	3.05	59	138737	243.979	ug/l	99
12) 1,1-Dichloroethene	2.37	96	106169	49.704	ug/l #	77
13) Acrolein	2.29	56	36110	348.261	ug/l	99
14) Allyl chloride	2.73	41	144514	44.821	ug/l #	88
15) Acrylonitrile	3.14	53	299154	257.382	ug/l	98
16) Acetone	2.45	43	234633	214.908	ug/l #	86
17) Carbon Disulfide	2.57	76	279264	45.248	ug/l	99
18) Methyl Acetate	2.78	43	123051	51.249	ug/l #	84
19) Methyl tert-butyl Ether	3.20	73	338619	49.345	ug/l	94
20) Methylene Chloride	2.85	84	117867	49.158	ug/l #	77
21) trans-1,2-Dichloroethene	3.17	96	112681	47.669	ug/l #	77
22) Diisopropyl ether	3.85	45	314941	51.089	ug/l #	89
23) Vinyl Acetate	3.81	43	1355413	246.463	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	183898	49.133	ug/l	94
25) 2-Butanone	4.67	43	403958	248.473	ug/l #	83
26) 2,2-Dichloropropane	4.59	77	93586	27.408	ug/l	87
27) cis-1,2-Dichloroethene	4.60	96	131760	50.105	ug/l	74
28) Bromochloromethane	5.01	49	82047	48.912	ug/l #	46
29) Tetrahydrofuran	5.12	42	261828	256.262	ug/l #	75
30) Chloroform	5.21	83	196396	50.525	ug/l	100
31) Cyclohexane	5.58	56	166562	49.308	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	177171	48.483	ug/l #	94
36) 1,1-Dichloropropene	5.80	75	141522	47.477	ug/l	91
37) Ethyl Acetate	4.83	43	152767	49.256	ug/l #	91
38) Carbon Tetrachloride	5.79	117	159367	47.235	ug/l	98

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Manual Integrations
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MMDadoda
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Quant Time: Jun 11 09:00:41 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)
39) Methylcyclohexane	7.46	83	181988	44.836	ug/l #	83
40) Benzene	6.14	78	461220	50.038	ug/l	100
41) Methacrylonitrile	5.04	41	81906	48.821	ug/l #	82
42) 1,2-Dichloroethane	6.19	62	140243	47.659	ug/l	93
43) Isopropyl Acetate	6.45	43	254101	49.001	ug/l #	88
44) Trichloroethene	7.21	130	137610	49.529	ug/l	87
45) 1,2-Dichloropropane	7.51	63	115481	50.056	ug/l	99
46) Dibromomethane	7.66	93	82498	47.732	ug/l	90
47) Bromodichloromethane	7.90	83	156835	48.562	ug/l #	98
48) Methyl methacrylate	7.77	41	120980	49.885	ug/l #	77
49) 1,4-Dioxane	7.74	88	67856	981.366	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	810039	261.481	ug/l	90
52) Toluene	8.78	92	304128	50.195	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	164481	44.030	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	177647	44.359	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	127648	51.442	ug/l	95
56) Ethyl methacrylate	9.18	69	197716	50.441	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	195468	50.036	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	456134	246.844	ug/l #	86
59) 2-Hexanone	9.49	43	619966	251.000	ug/l	87
60) Dibromochloromethane	9.58	129	145076	49.428	ug/l	99
61) 1,2-Dibromoethane	9.67	107	136589	49.423	ug/l	99
64) Tetrachloroethene	9.34	164	138519	55.097	ug/l	97
65) Chlorobenzene	10.14	112	342258	48.990	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	130408	48.539	ug/l	99
67) Ethyl Benzene	10.25	91	578274	48.622	ug/l	93
68) m/p-Xylenes	10.36	106	453856	98.615	ug/l	88
69) o-Xylene	10.69	106	224463	49.064	ug/l	88
70) Styrene	10.71	104	382048	49.307	ug/l	95
71) Bromoform	10.85	173	119546	48.401	ug/l #	98
73) Isopropylbenzene	11.02	105	580522	48.865	ug/l	95
74) N-amyl acetate	10.90	43	231417	49.278	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.27	83	199293	49.007	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	159361m	46.815	ug/l	
77) Bromobenzene	11.26	156	161618	49.471	ug/l	81
78) n-propylbenzene	11.36	91	642424	48.573	ug/l	94
79) 2-Chlorotoluene	11.42	91	379347	47.756	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	481399	48.110	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	60481	39.256	ug/l	86
82) 4-Chlorotoluene	11.51	91	435538	48.267	ug/l	92
83) tert-Butylbenzene	11.77	119	480071	47.402	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	488454	48.328	ug/l	95
85) sec-Butylbenzene	11.94	105	567923	48.133	ug/l	96
86) p-Isopropyltoluene	12.06	119	521198	48.319	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	281581	48.933	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	277806	47.890	ug/l	97
89) n-Butylbenzene	12.38	91	437321	47.100	ug/l	98
90) Hexachloroethane	12.60	117	98890	46.023	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	272811	48.765	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42382	44.288	ug/l	64

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:53:41 AM

Quant Time: Jun 11 09:00:41 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)
93) 1,2,4-Trichlorobenzene	13.65	180	191595	46.787	ug/l	99
94) Hexachlorobutadiene	13.78	225	87114	47.833	ug/l	100
95) Naphthalene	13.83	128	626281	48.583	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	194387	48.009	ug/l	99

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

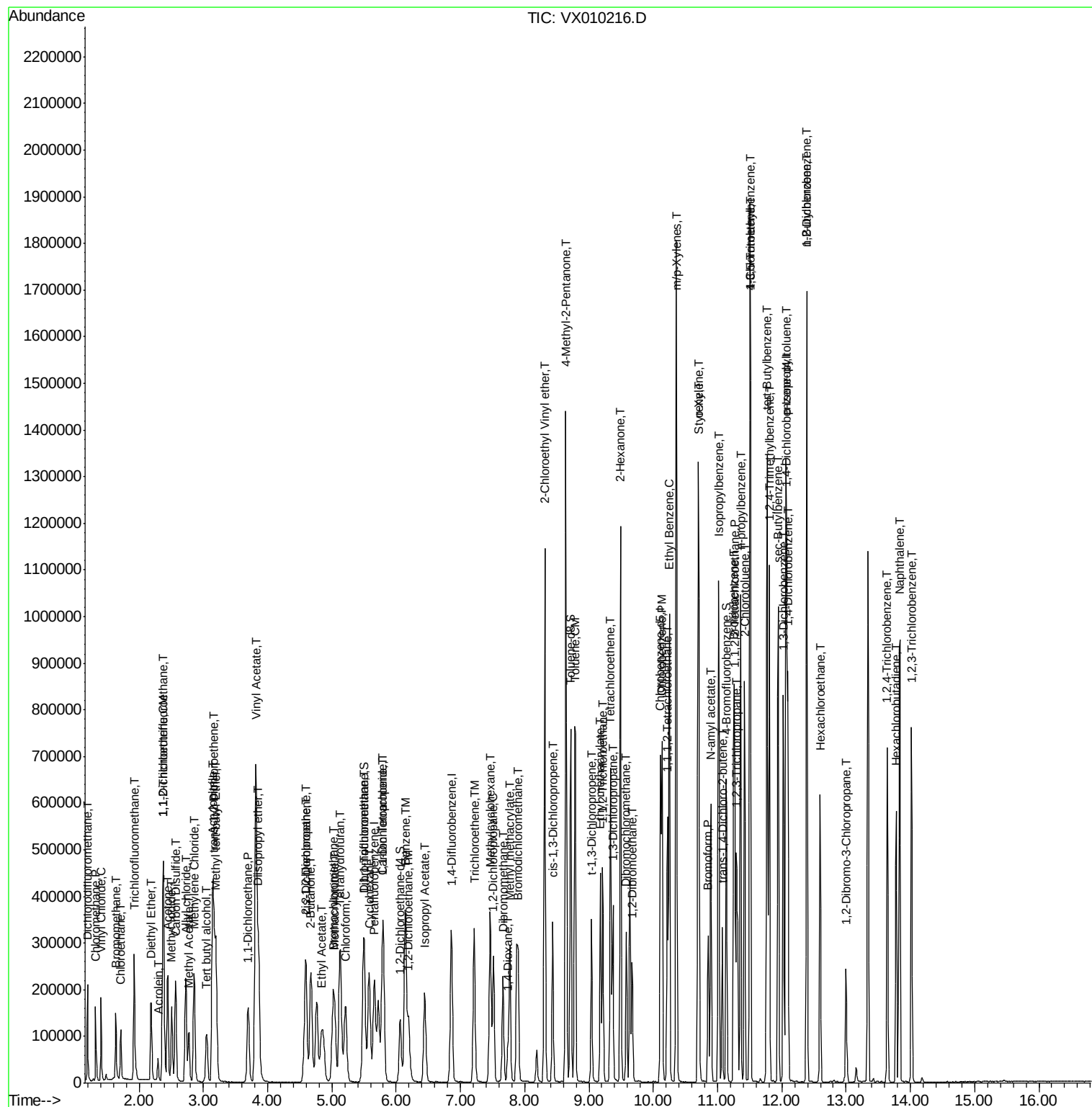
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 Data File : VX010216.D
 Acd On : 11 Jun 2019 07:20
 Operator : JC/SP
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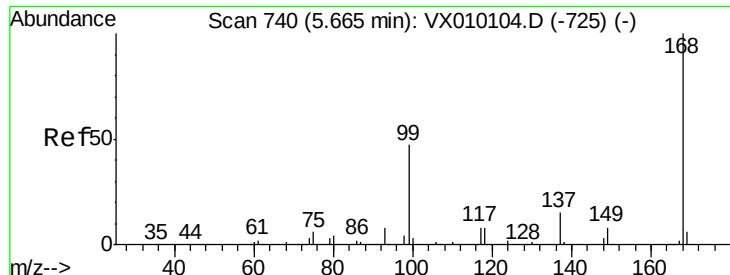
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 237806

Ion Ratio Lower Upper

168 100

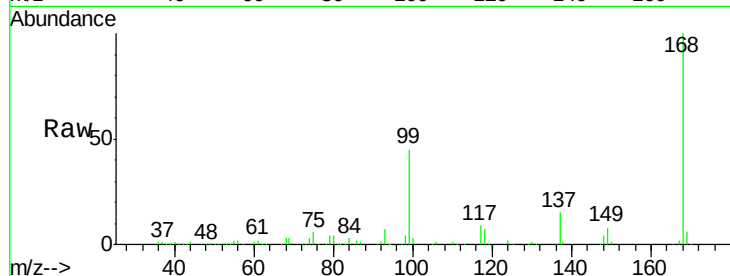
99 45.1 43.0 64.6

Manual Integrations

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6/11/2019 11:53:41 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

40000

20000

0

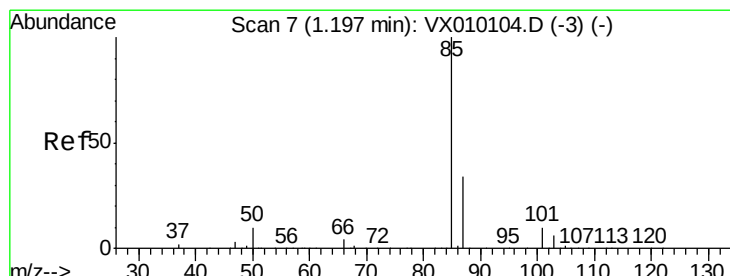
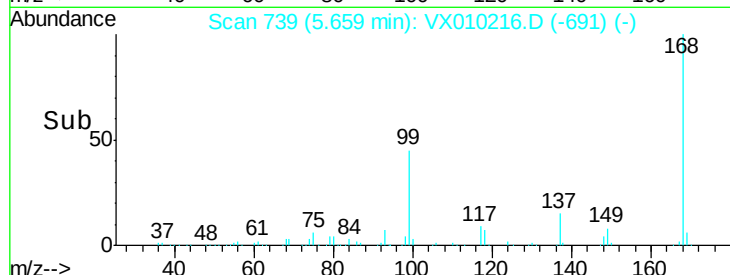
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.086 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010216.D

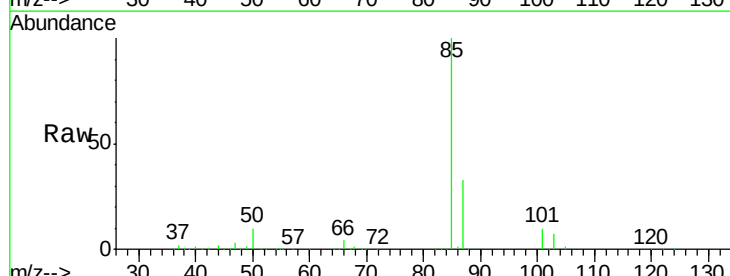
Acq: 11 Jun 2019 07:20

Tgt Ion: 85 Resp: 113972

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

50000

0

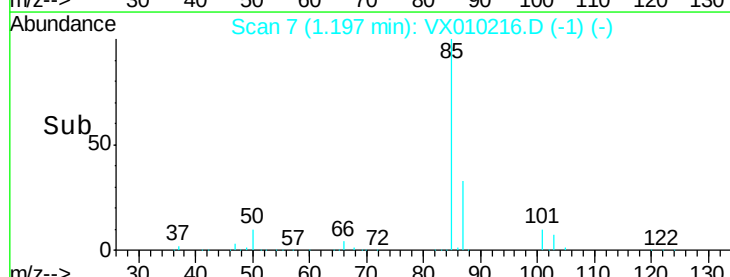
1.15

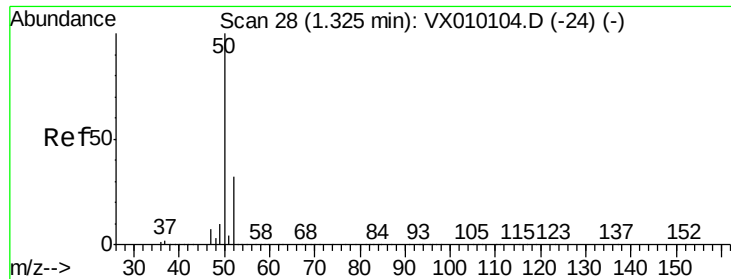
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 50.065 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108795

Ion Ratio Lower Upper

50 100

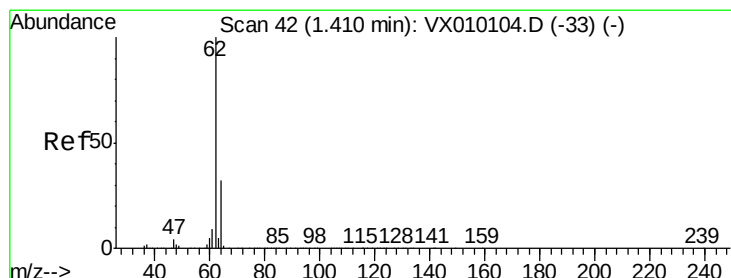
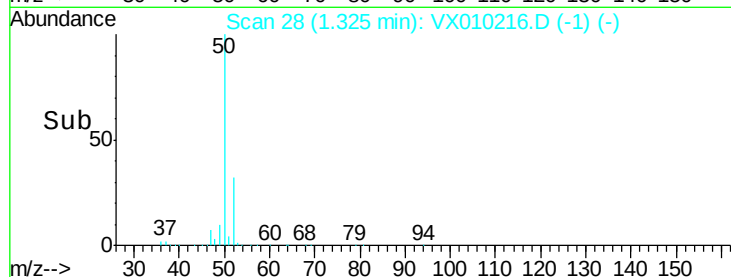
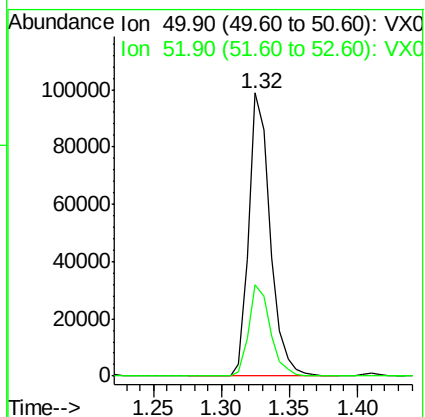
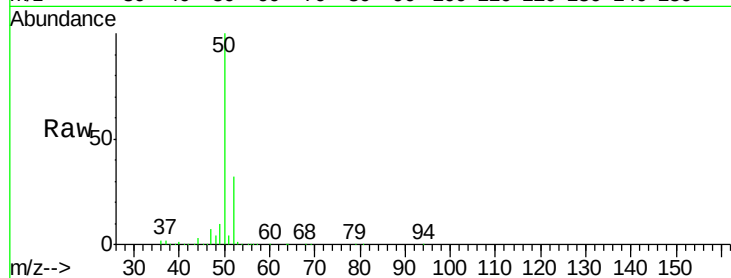
52 32.4 26.0 39.0

Manual Integrations

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6/11/2019 11:53:41 AM



#4

Vinyl Chloride

Concen: 57.753 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010216.D

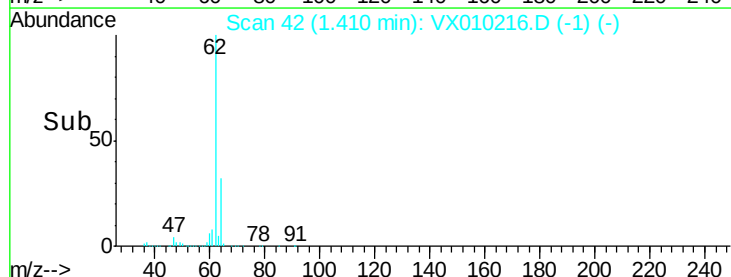
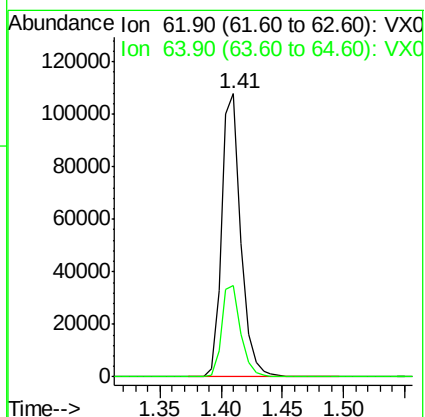
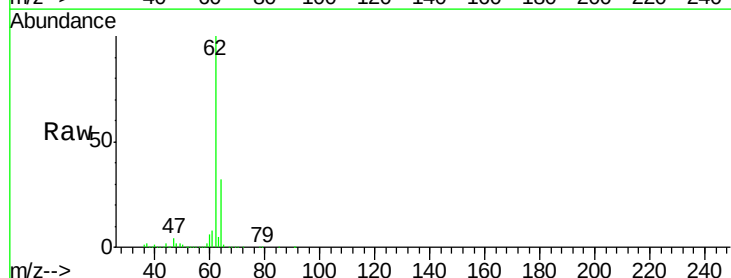
Acq: 11 Jun 2019 07:20

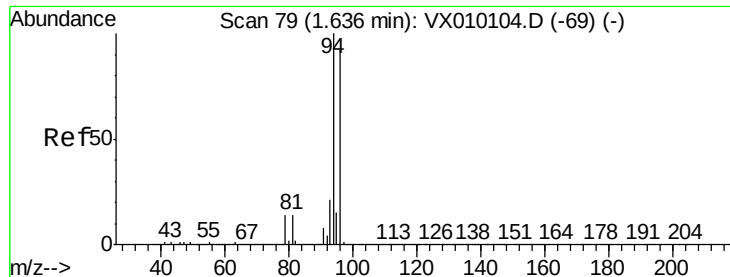
Tgt Ion: 62 Resp: 117955

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 59.275 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 45684

Ion Ratio Lower Upper

94 100

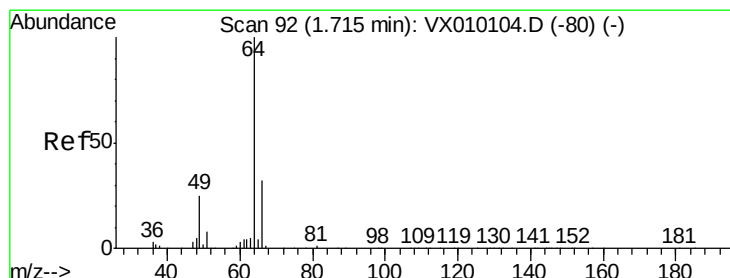
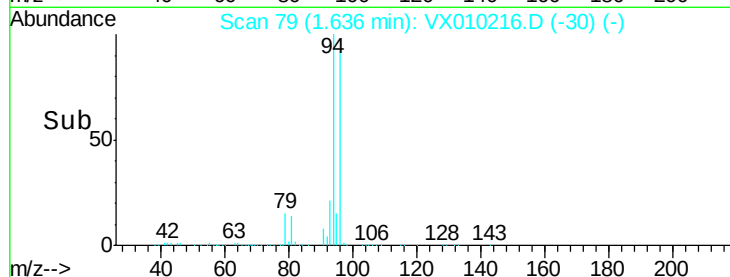
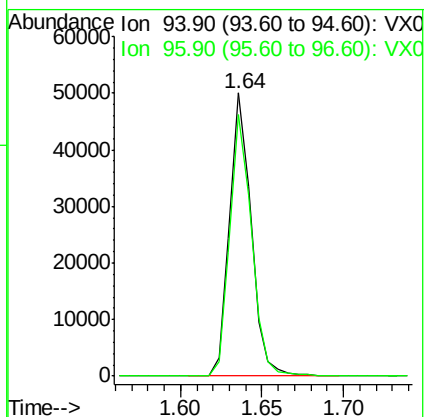
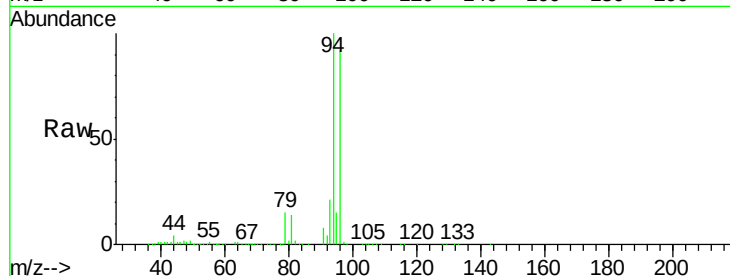
96 92.5 76.2 114.4

Manual Integrations

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6/11/2019 11:53:41 AM



#6

Chloroethane

Concen: 64.420 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010216.D

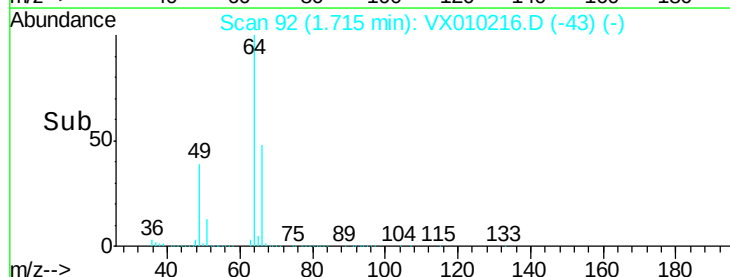
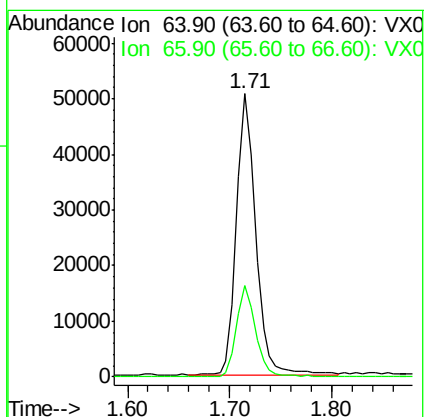
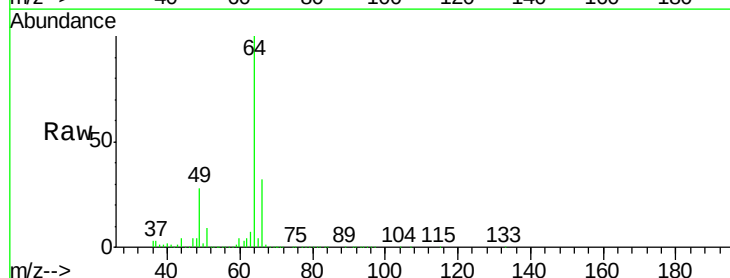
Acq: 11 Jun 2019 07:20

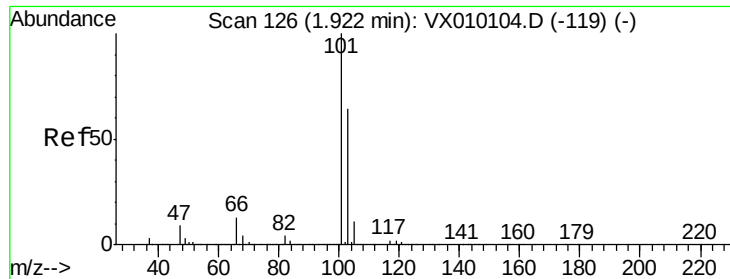
Tgt Ion: 64 Resp: 66336

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7





#7

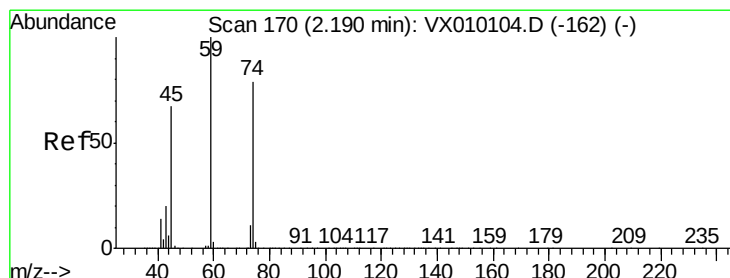
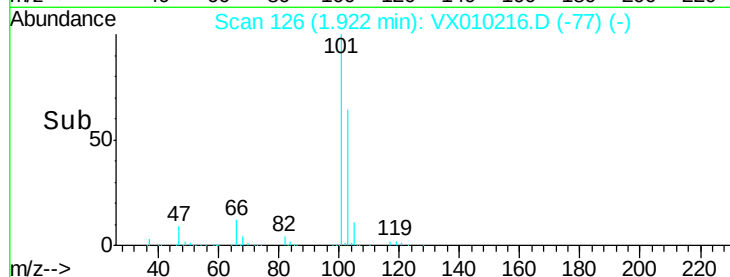
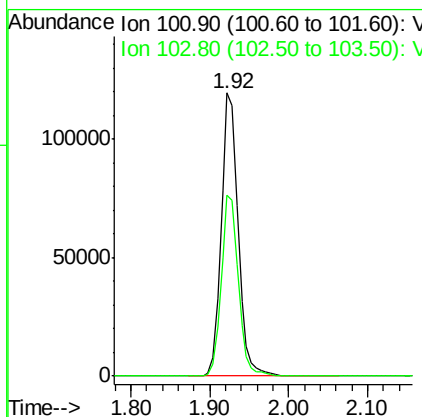
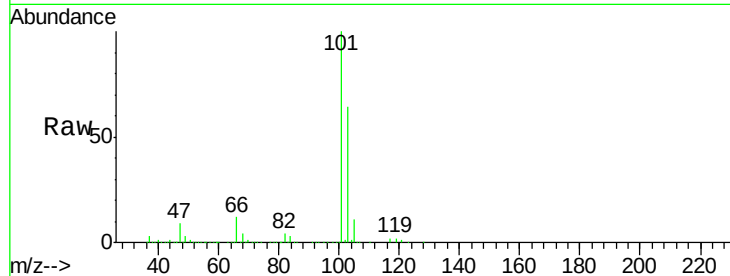
Trichlorofluoromethane
Concen: 58.707 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.2	78.4

Manual Integrations
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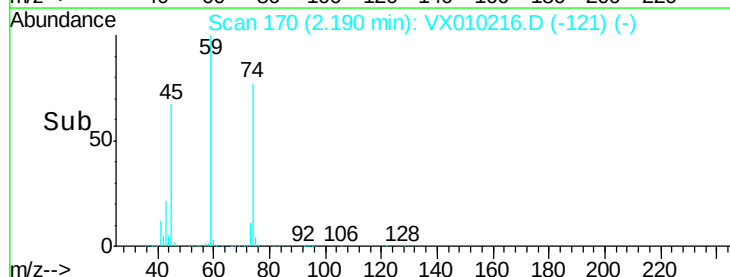
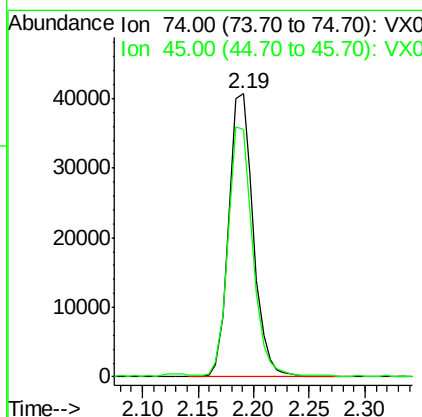
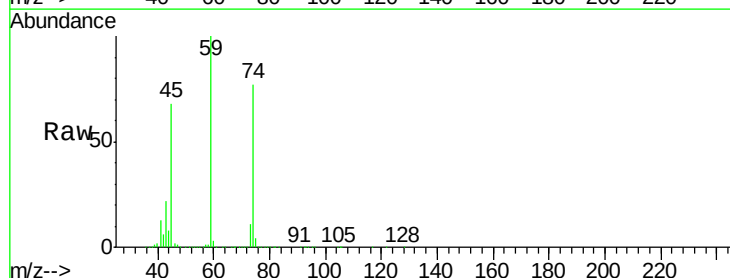
MMDadoda
6/11/2019 11:53:41 AM

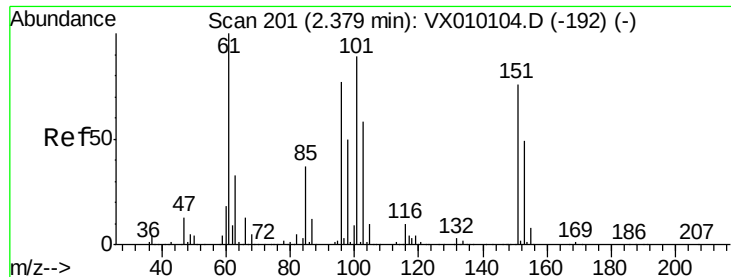


#8

Diethyl Ether
Concen: 59.490 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.5	56.1	168.3





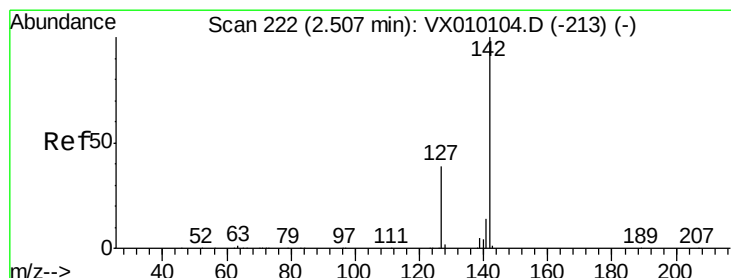
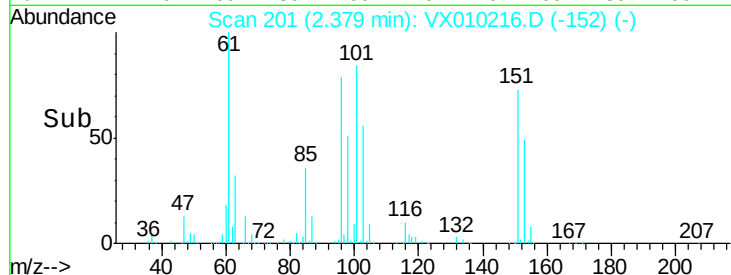
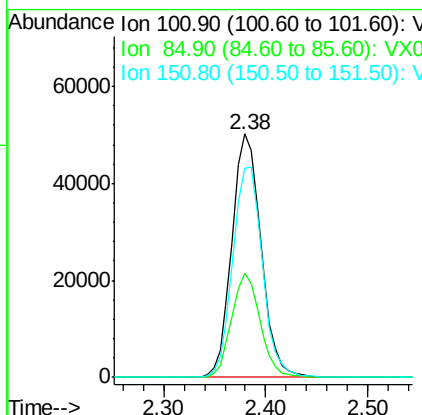
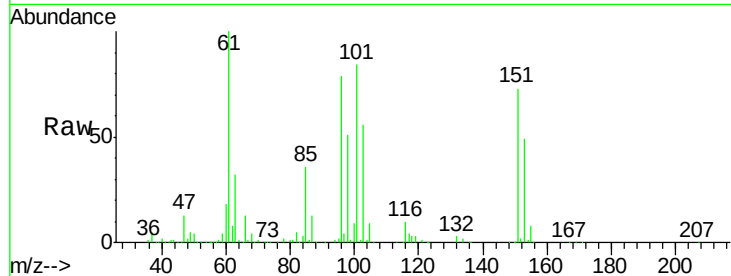
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.407 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	99141		
85	41.9	35.2	52.8	
151	88.3	61.9	92.9	

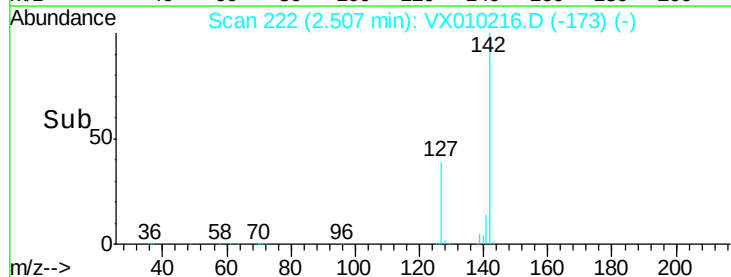
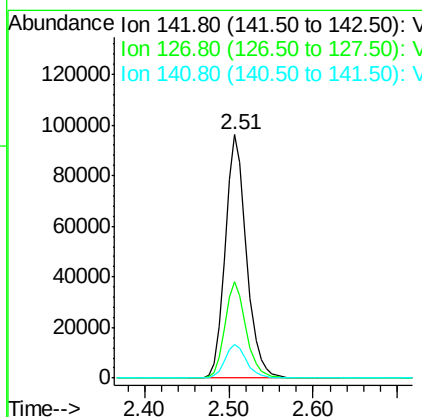
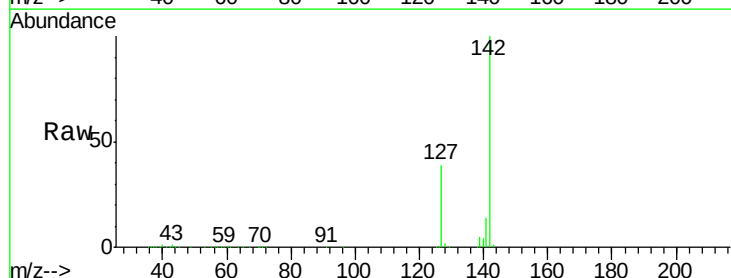
Manual Integrations
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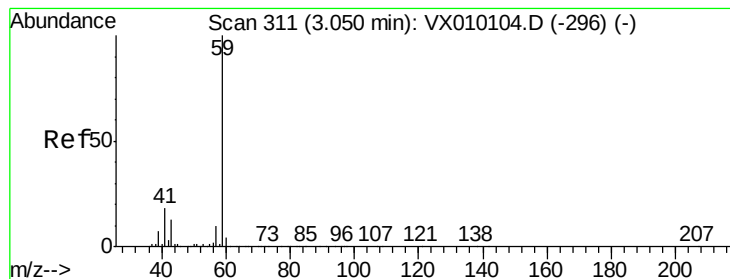
MMDadoda
6/11/2019 11:53:41 AM



#10
Methyl Iodide
Concen: 51.306 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	166241		
127	39.4	33.0	49.4	
141	14.2	11.4	17.0	





#11

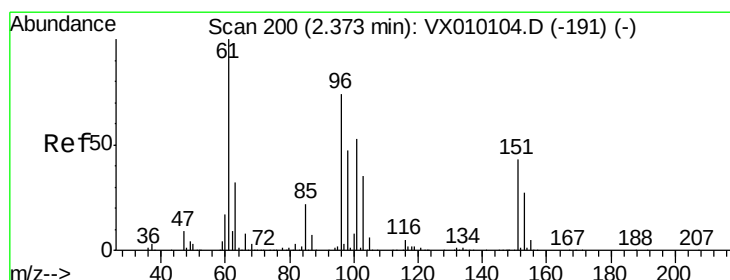
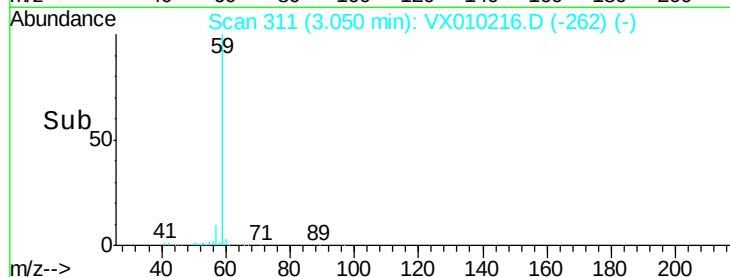
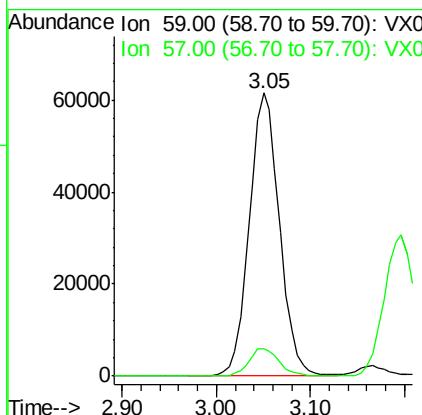
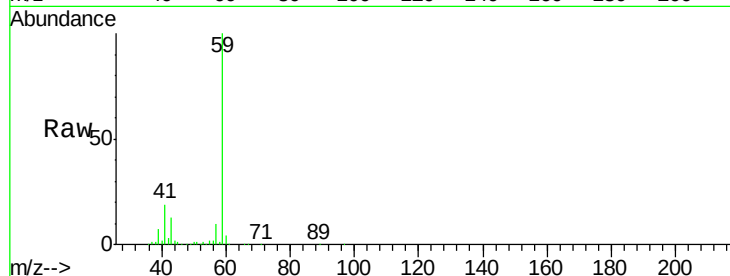
Tert butyl alcohol
Concen: 243.979 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	138737
Ion Ratio	100	Lower	Upper
57	9.9	8.2	12.2

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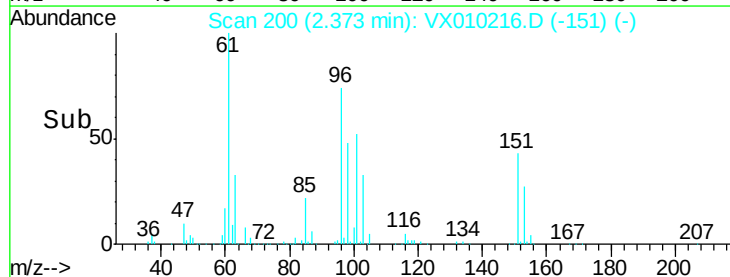
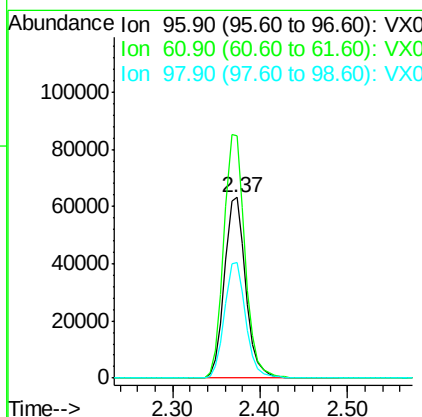
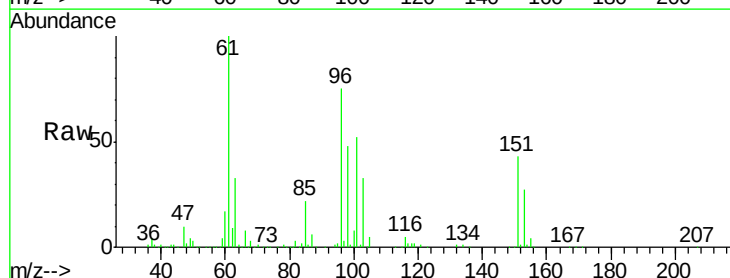
MMDadoda
6/11/2019 11:53:41 AM

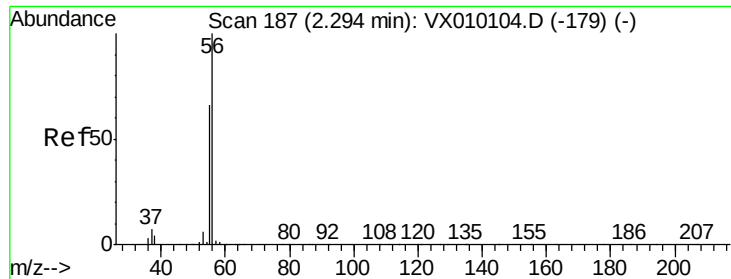


#12

1,1-Dichloroethene
Concen: 49.704 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion	96	Resp	106169
Ion Ratio	100	Lower	Upper
61	134.0	140.7	211.1#
98	64.2	50.1	75.1





#13

Acrolein

Concen: 348.261 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 36110

Ion Ratio Lower Upper

56 100

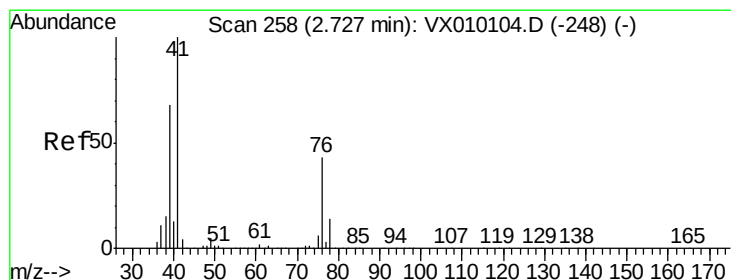
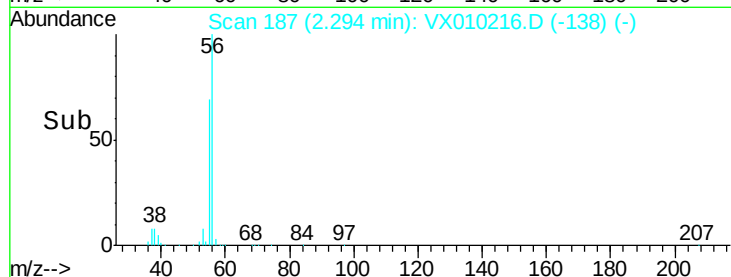
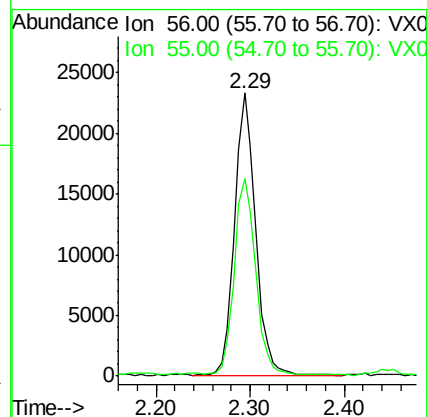
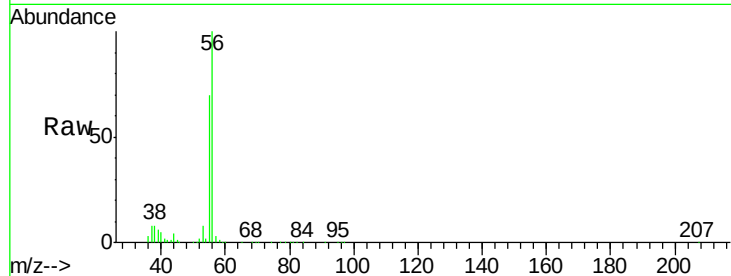
55 70.0 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 44.821 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

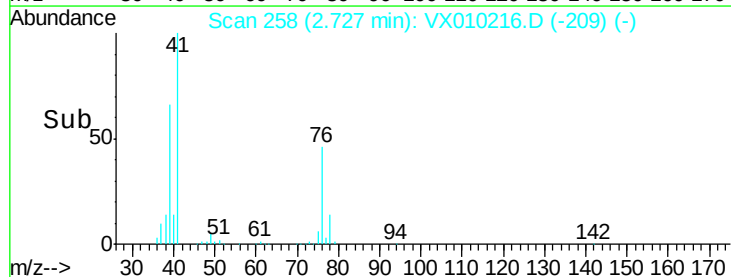
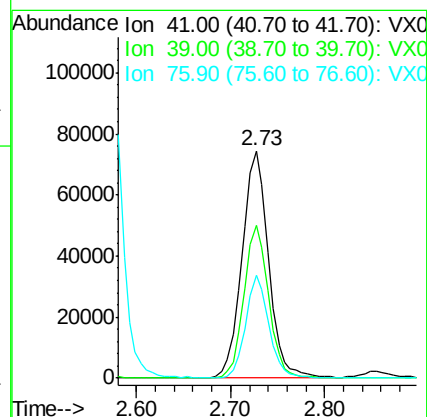
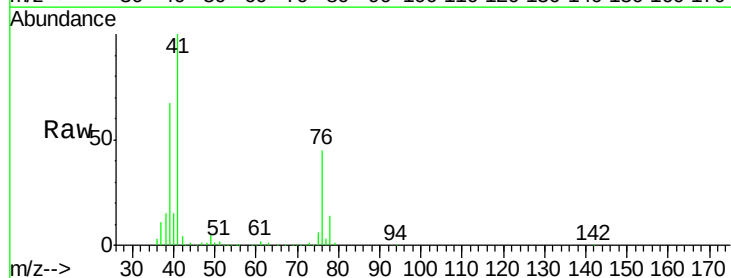
Tgt Ion: 41 Resp: 144514

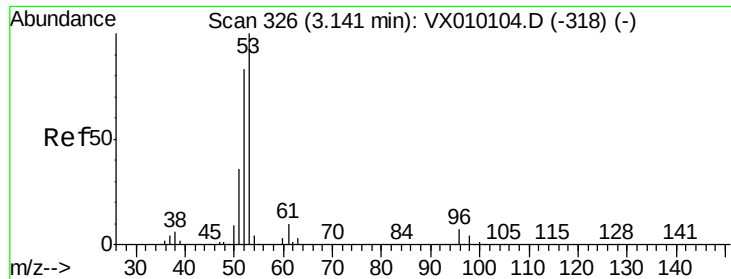
Ion Ratio Lower Upper

41 100

39 62.9 46.7 70.1

76 39.9 21.0 31.4#





#15

Acrylonitrile

Concen: 257.382 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

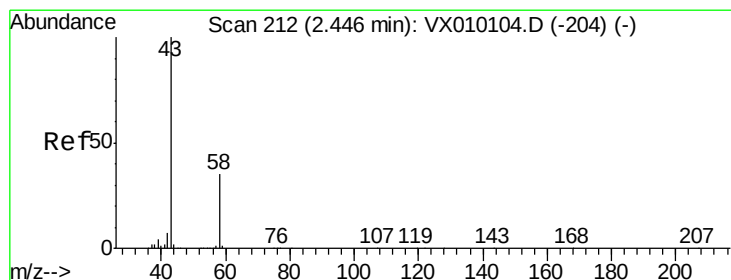
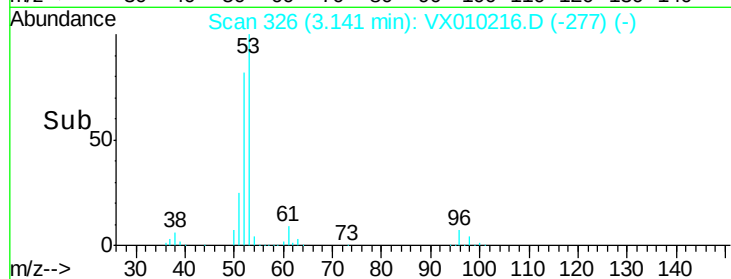
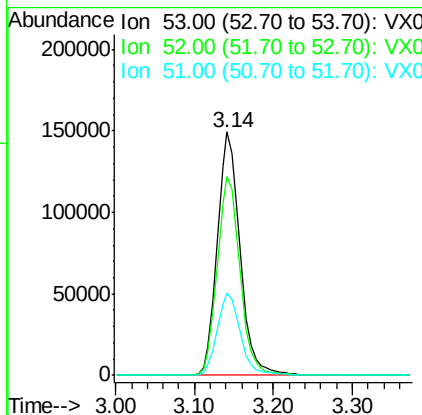
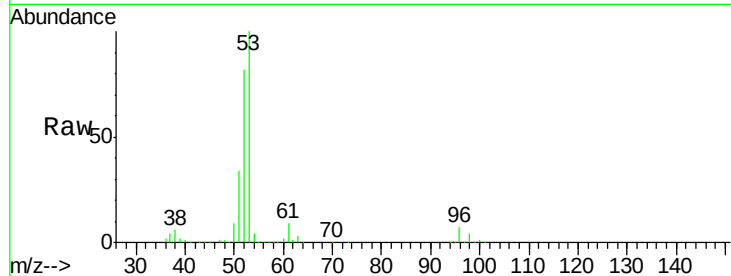
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	299154
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.7	100.1
51	34.6	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 214.908 ug/l

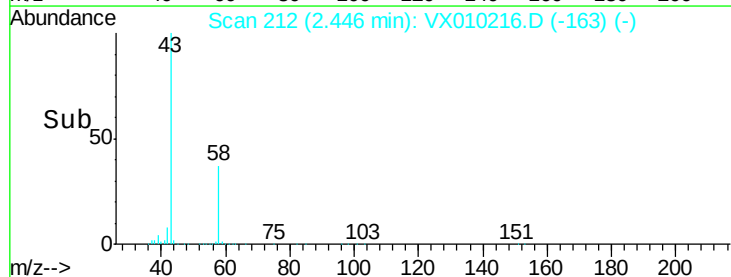
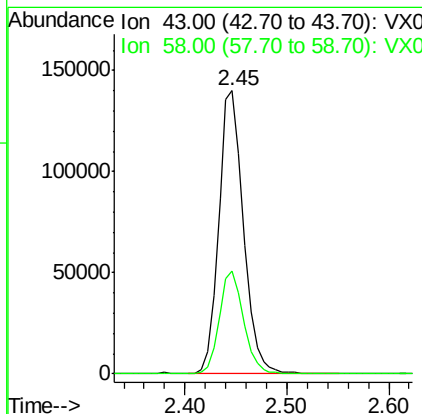
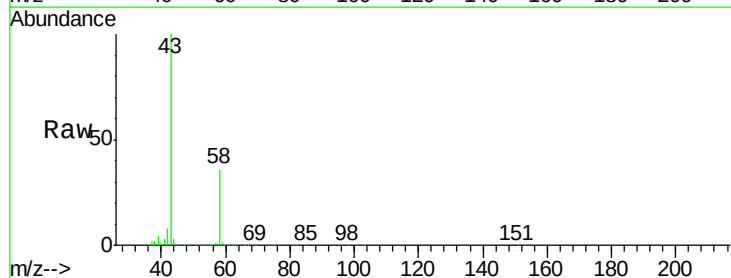
RT: 2.45 min Scan# 212

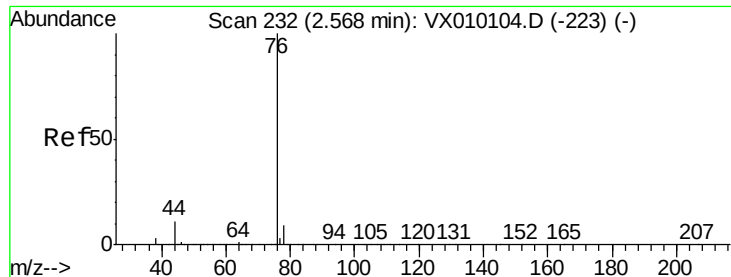
Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Tgt Ion:	43	Resp:	234633
Ion Ratio	Lower	Upper	
43	100		
58	36.5	23.2	34.8#





#17

Carbon Disulfide

Concen: 45.248 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 279264

Ion Ratio Lower Upper

76 100

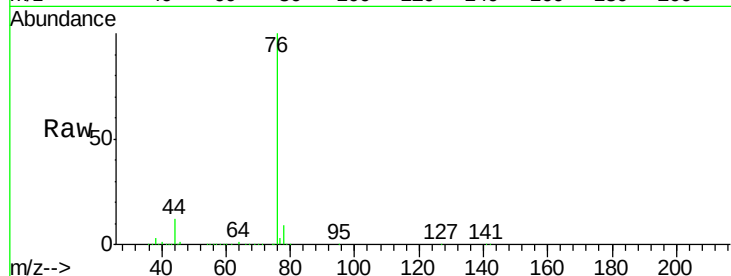
78 9.0 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

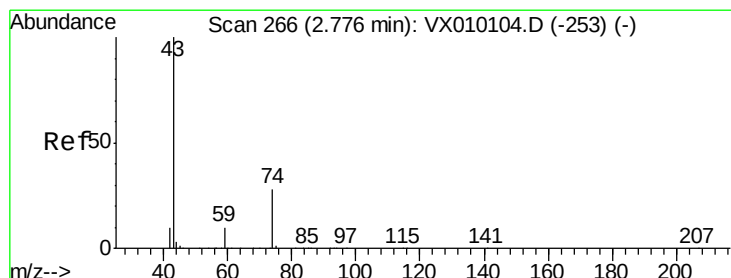
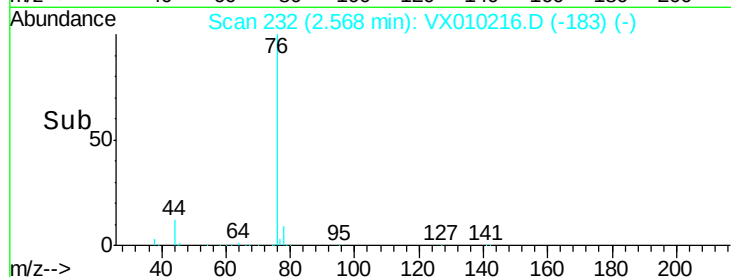
100000

50000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 51.249 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010216.D

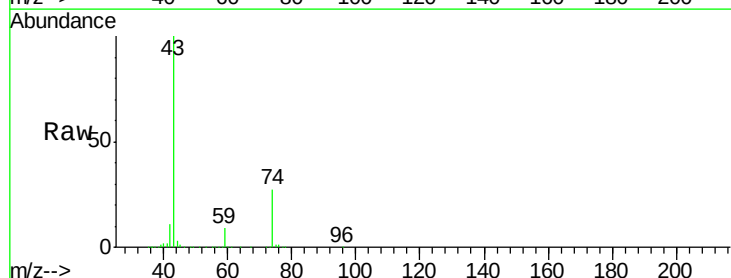
Acq: 11 Jun 2019 07:20

Tgt Ion: 43 Resp: 123051

Ion Ratio Lower Upper

43 100

74 27.1 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

60000

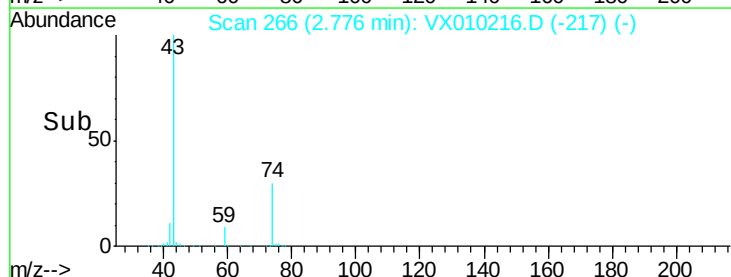
40000

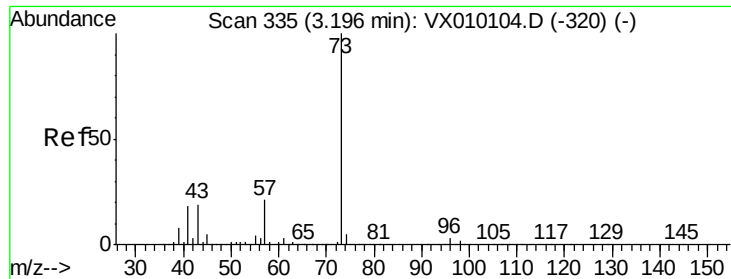
20000

0

Time-->

2.70 2.80 2.90





#19

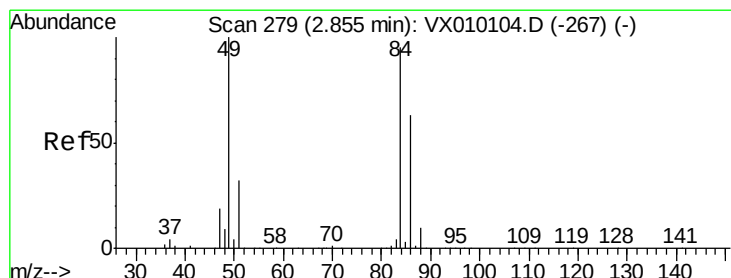
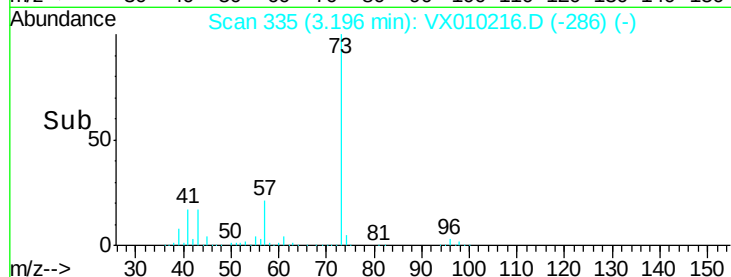
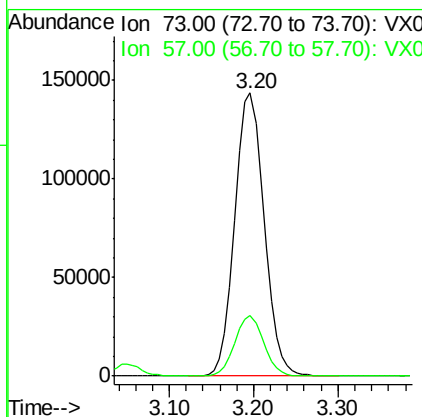
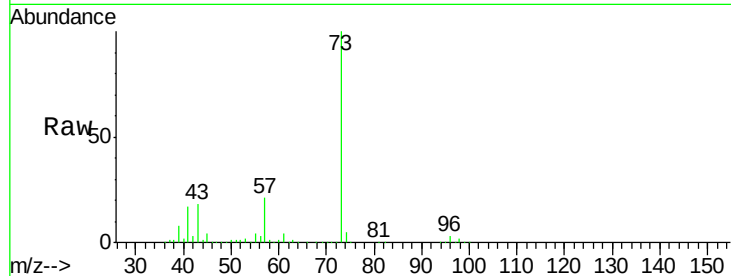
Methyl tert-butyl Ether
 Concen: 49.345 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	19.4	29.2

Manual Integrations
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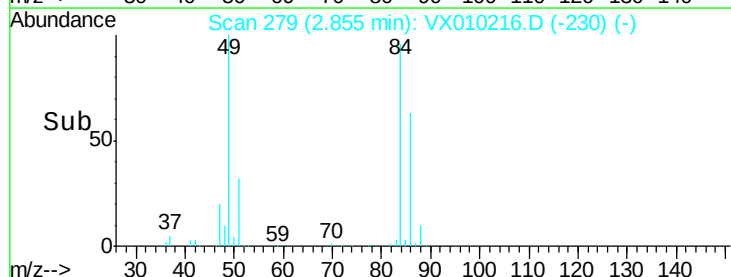
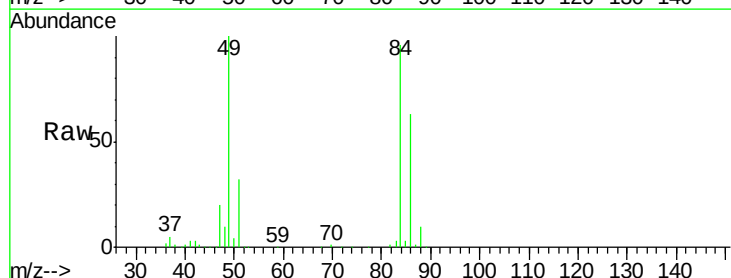
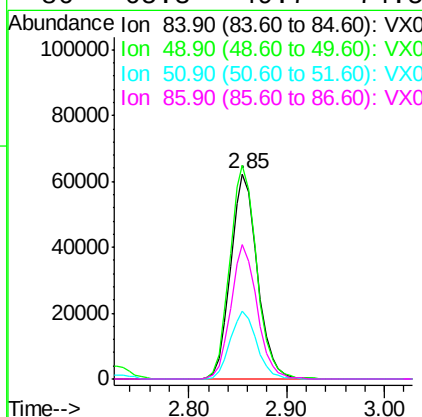
MMDadoda
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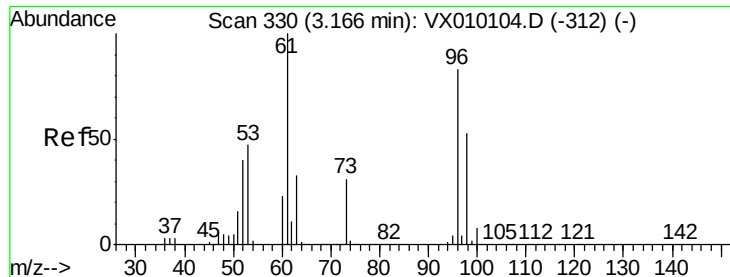


#20

Methylene Chloride
 Concen: 49.158 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.1	115.8	173.6#
51	32.9	34.4	51.6#
86	65.3	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 47.669 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 112681

Ion Ratio Lower Upper

96 100

61 116.7 125.7 188.5#

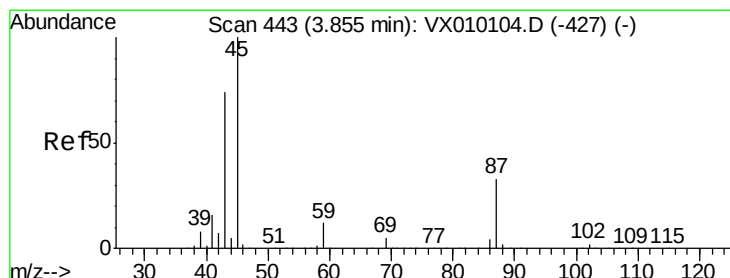
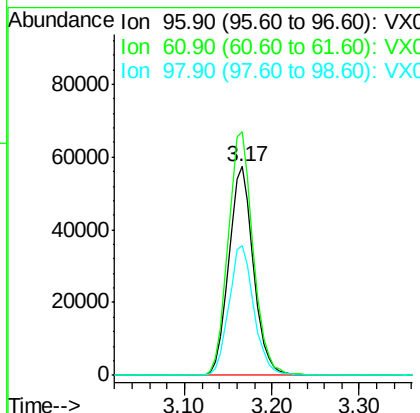
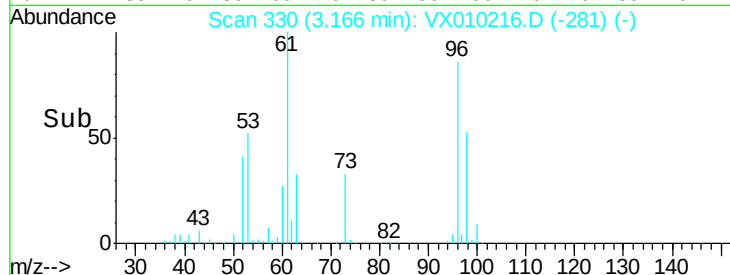
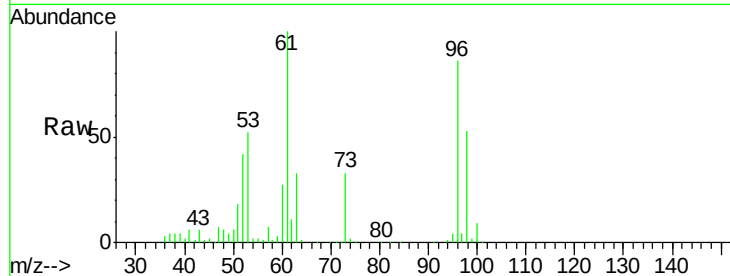
98 62.0 49.0 73.6

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#22

Diisopropyl ether

Concen: 51.089 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Tgt Ion: 45 Resp: 314941

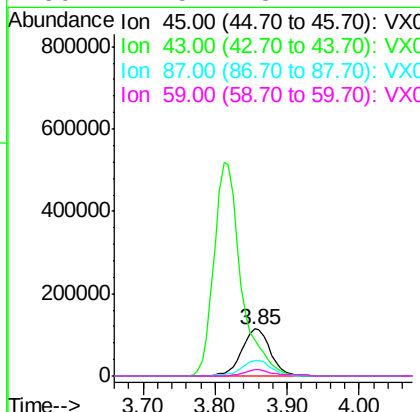
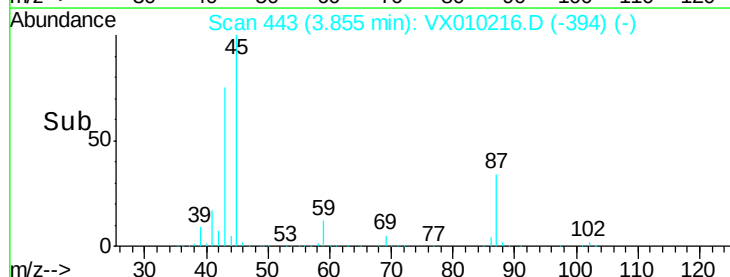
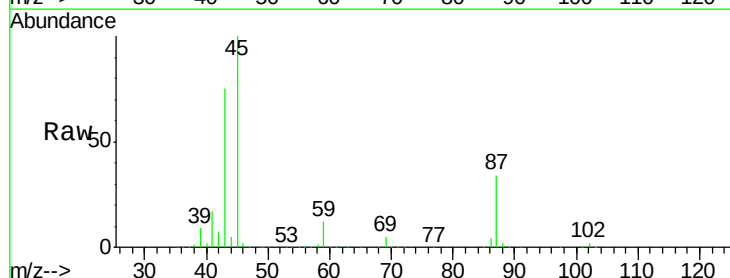
Ion Ratio Lower Upper

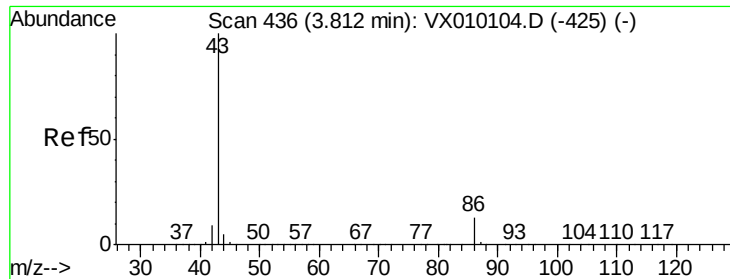
45 100

43 74.5 65.0 97.4

87 33.9 17.3 25.9#

59 12.5 8.1 12.1#





#23

Vinyl Acetate

Concen: 246.463 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1355413

Ion Ratio Lower Upper

43 100

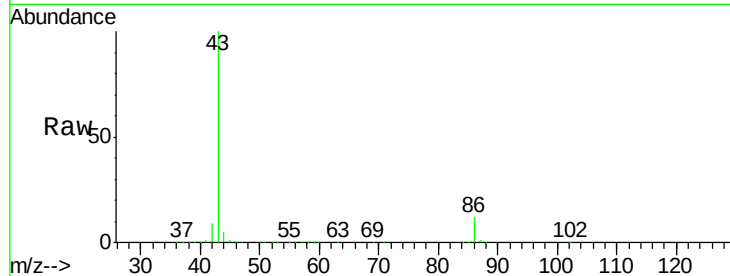
86 12.3 6.5 9.7#

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

600000

500000

400000

300000

200000

100000

0

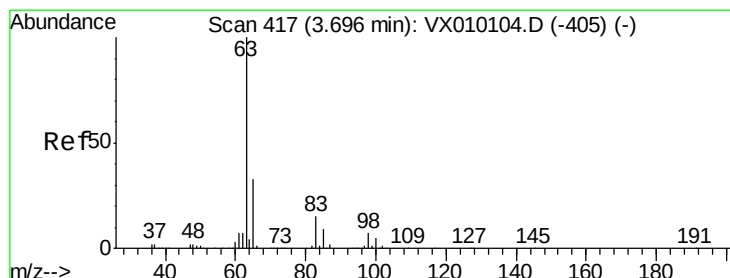
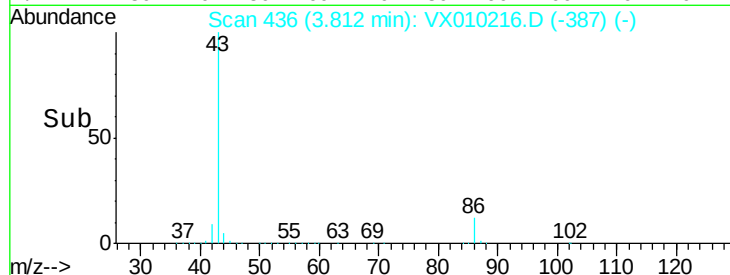
3.81

3.60

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.133 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

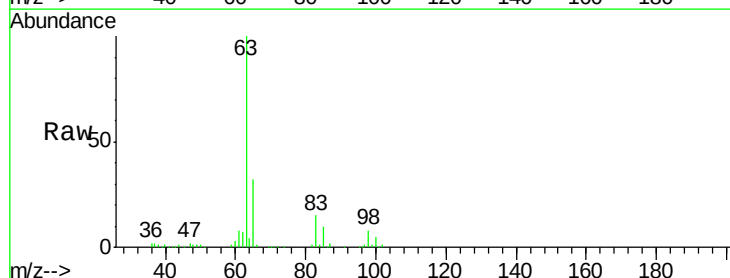
Tgt Ion: 63 Resp: 183898

Ion Ratio Lower Upper

63 100

98 8.1 2.9 8.8

100 5.3 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

60000

40000

20000

0

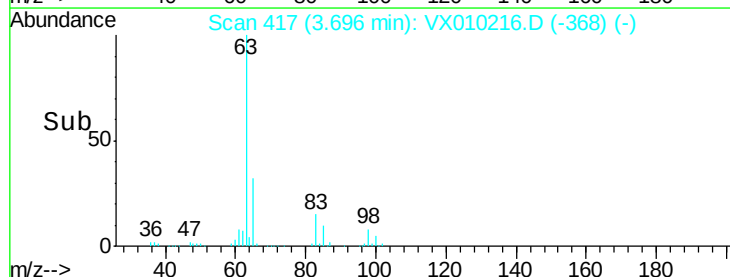
3.70

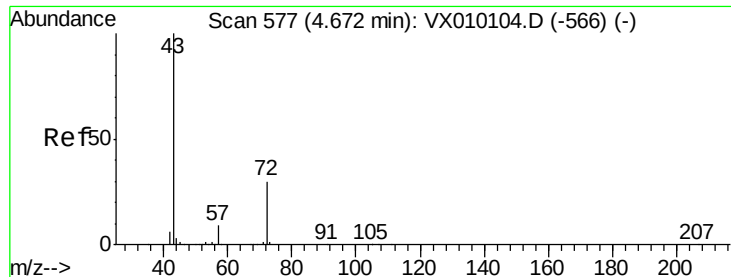
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 248.473 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 403958

Ion Ratio Lower Upper

43 100

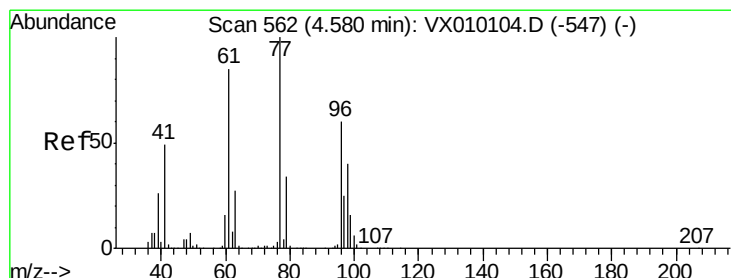
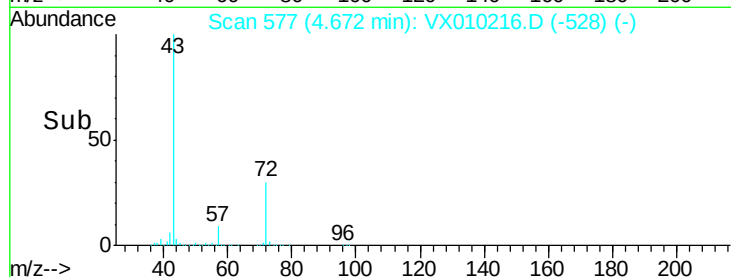
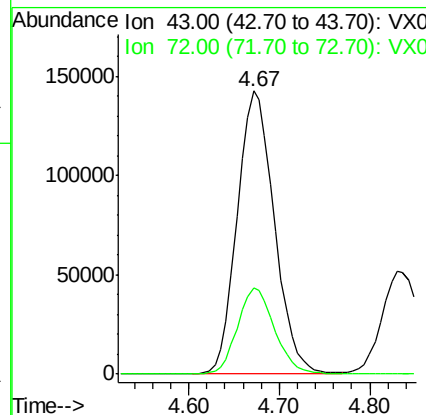
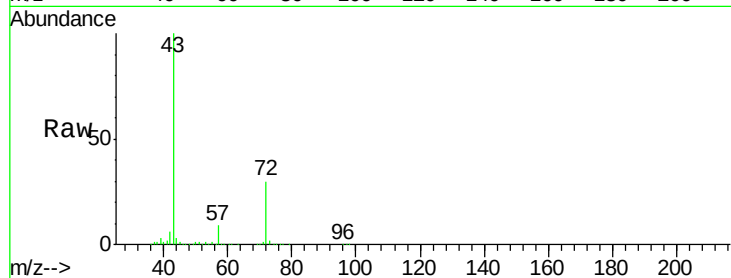
72 30.2 17.5 26.3#

Manual Integrations

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6/11/2019 11:53:41 AM



#26

2,2-Dichloropropane

Concen: 27.408 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010216.D

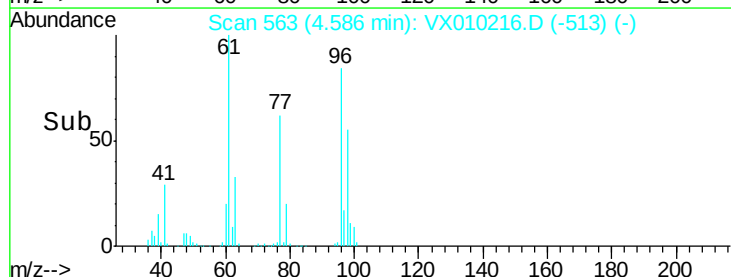
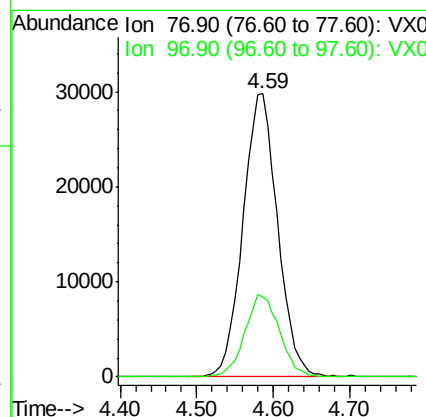
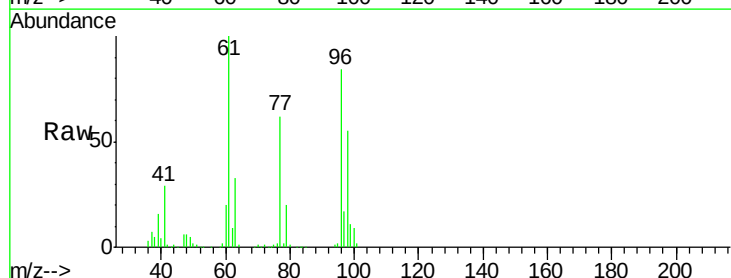
Acq: 11 Jun 2019 07:20

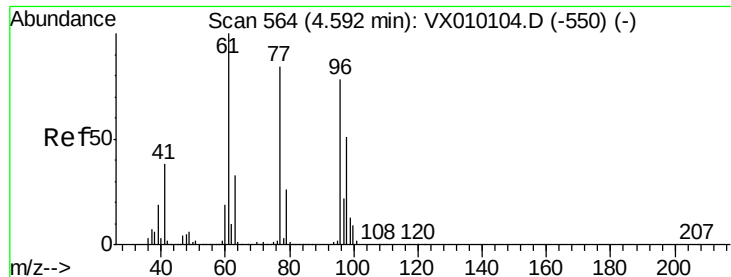
Tgt Ion: 77 Resp: 93586

Ion Ratio Lower Upper

77 100

97 29.2 11.4 34.2





#27

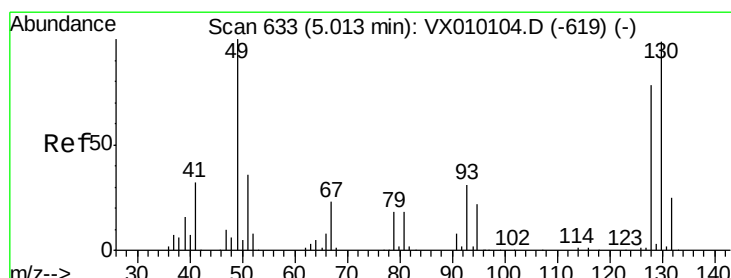
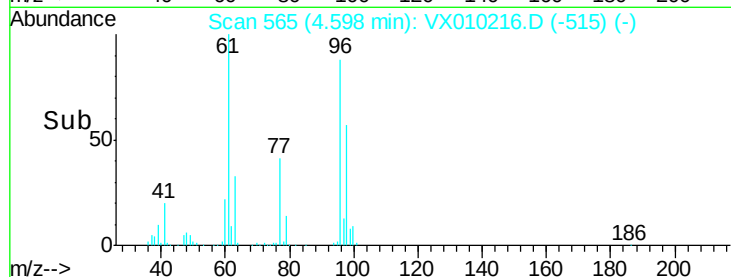
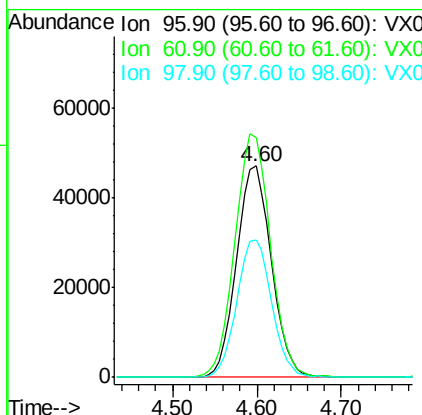
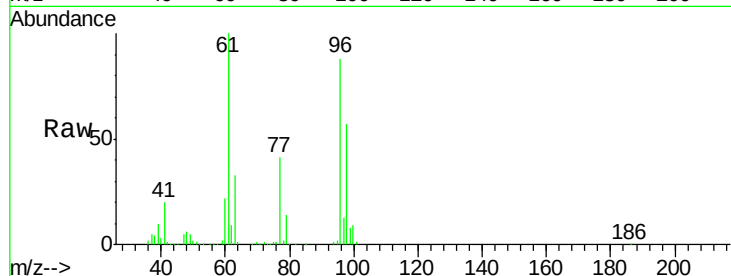
cis-1,2-Dichloroethene
Concen: 50.105 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.8	0.0	334.0
98	65.1	0.0	131.6

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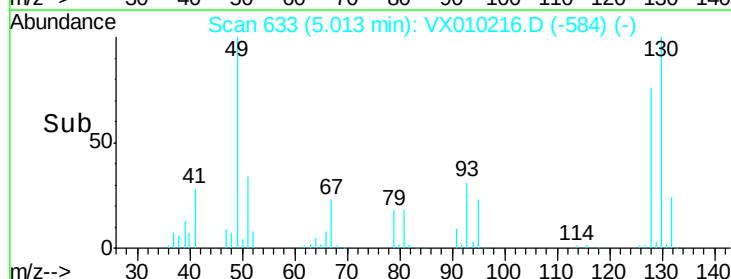
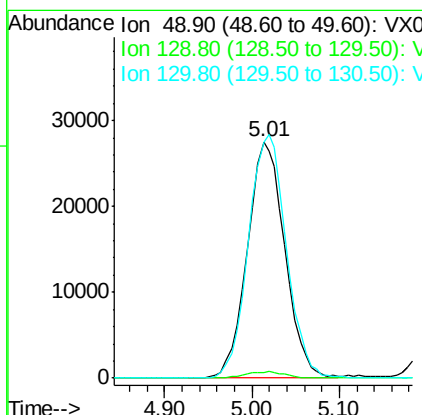
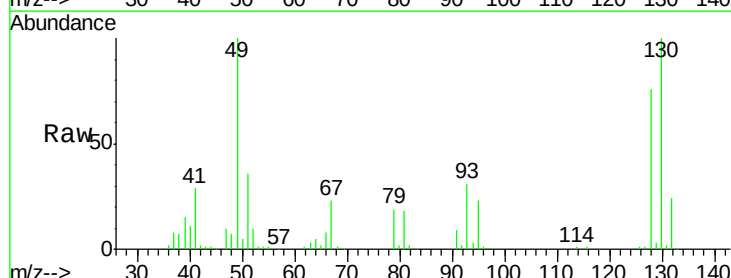
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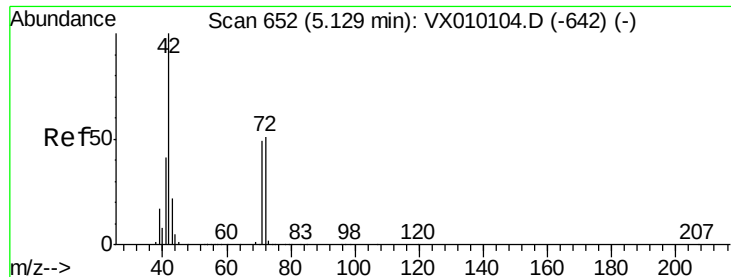


#28

Bromochloromethane
Concen: 48.912 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	3.4
130	104.4	49.4	74.2#





#29

Tetrahydrofuran

Concen: 256.262 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

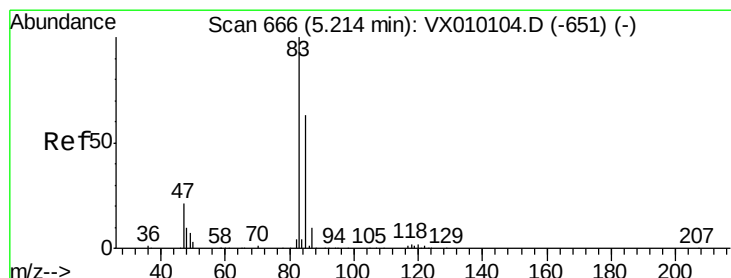
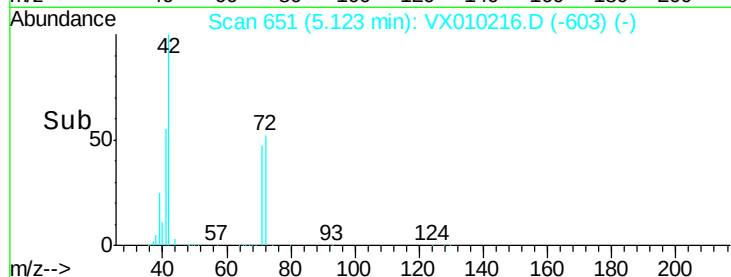
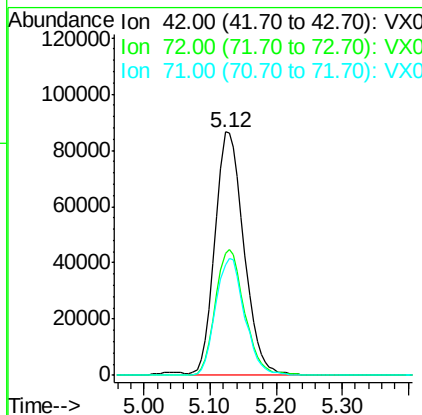
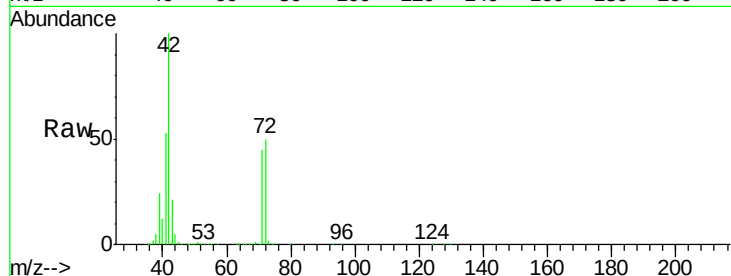
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	261828
Ion Ratio		Lower	Upper
42	100		
72	52.2	29.2	43.8#
71	48.4	27.6	41.4#

Manual Integrations
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#30

Chloroform

Concen: 50.525 ug/l

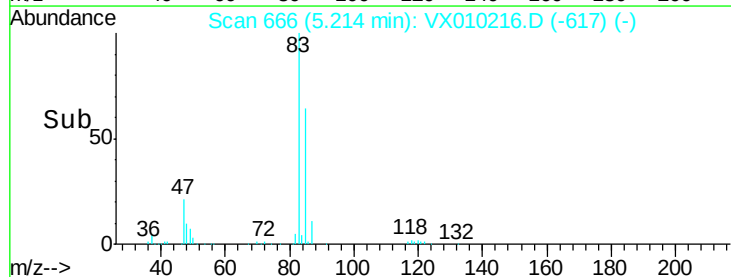
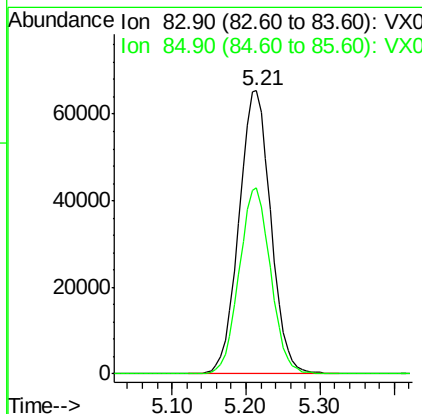
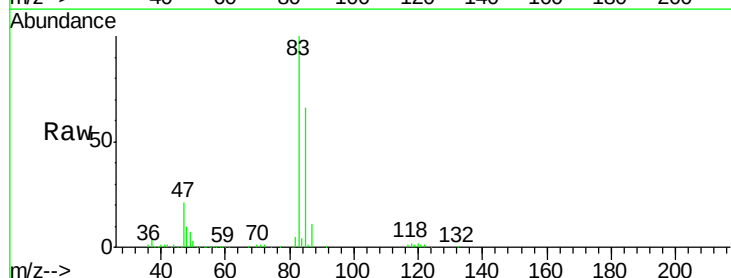
RT: 5.21 min Scan# 666

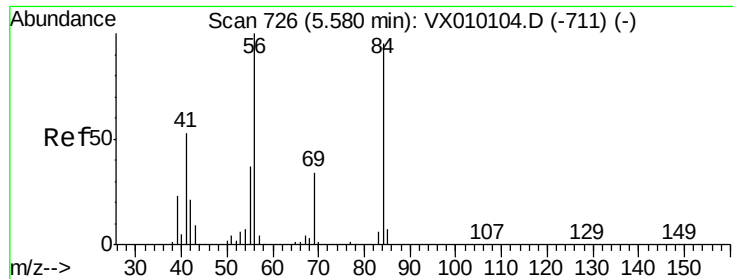
Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Tgt Ion:	83	Resp:	196396
Ion Ratio		Lower	Upper
83	100		
85	65.9	52.6	78.8





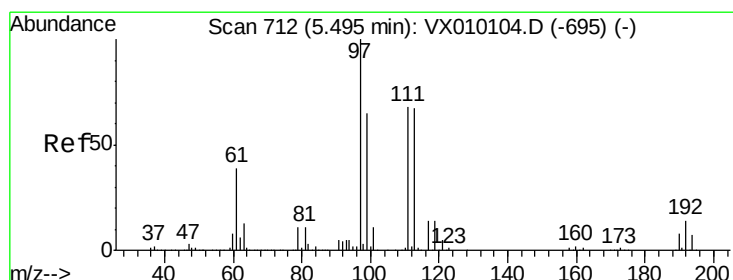
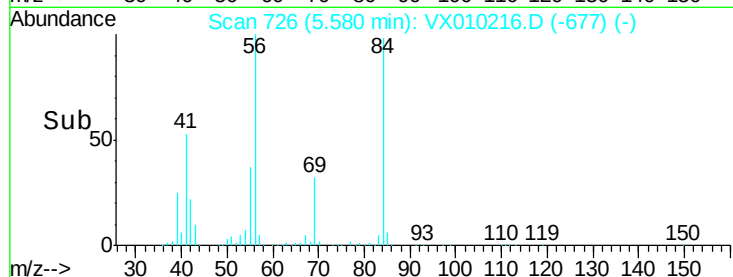
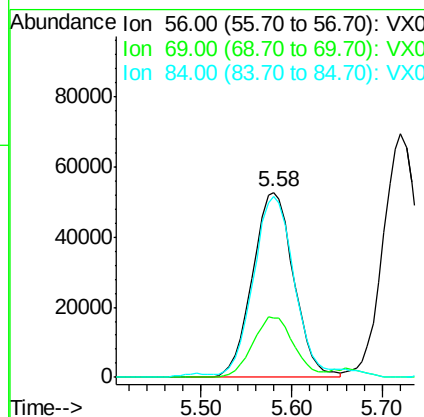
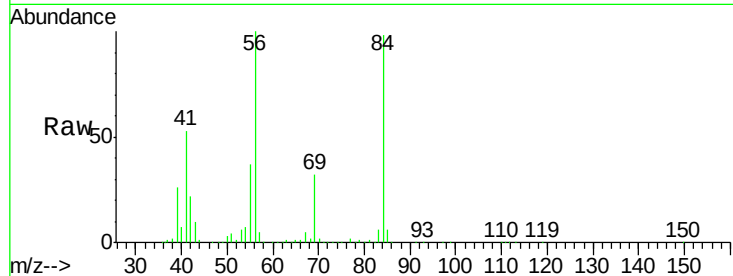
#31
Cyclohexane
Concen: 49.308 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	21.6	32.4
84	96.4	56.8	85.2#

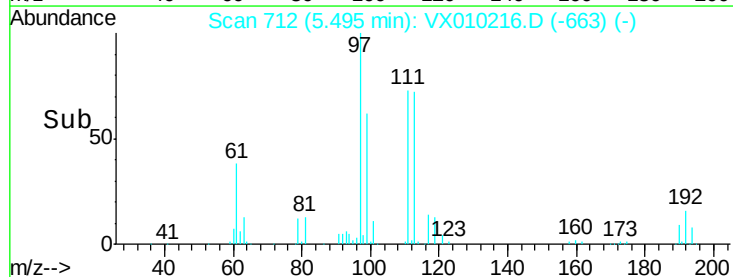
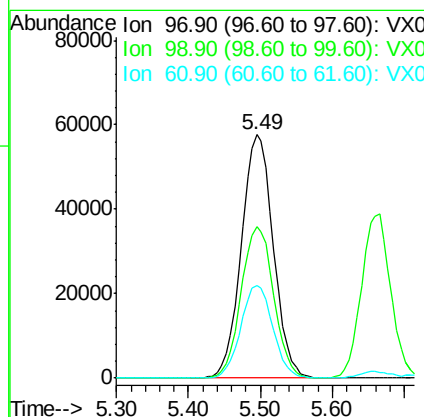
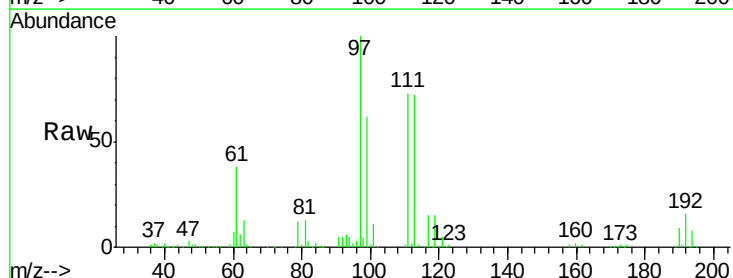
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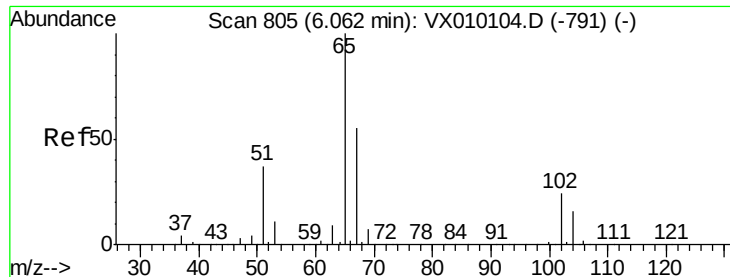
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#32
1,1,1-Trichloroethane
Concen: 48.483 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	38.4	38.7	58.1#





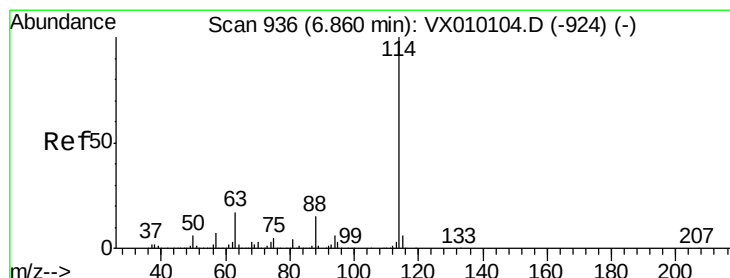
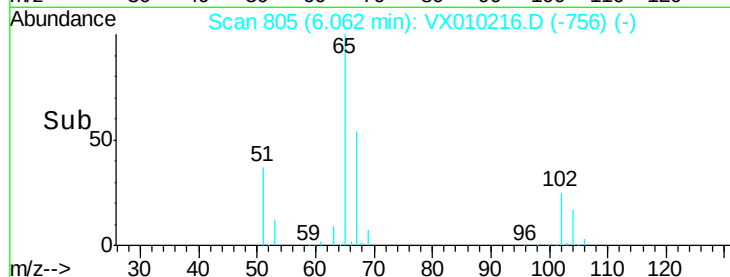
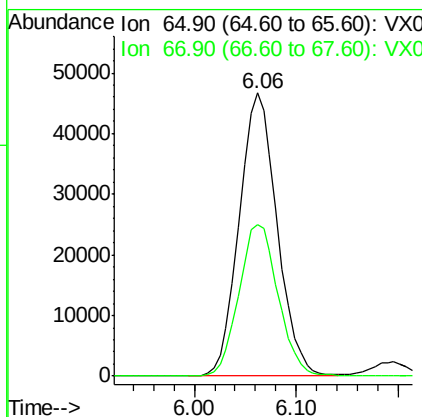
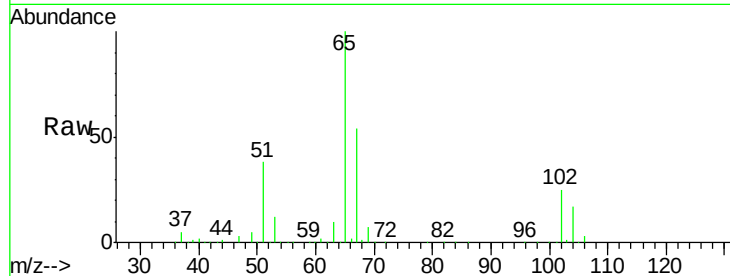
#33
 1,2-Dichloroethane-d4
 Concen: 51.951 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	108.4

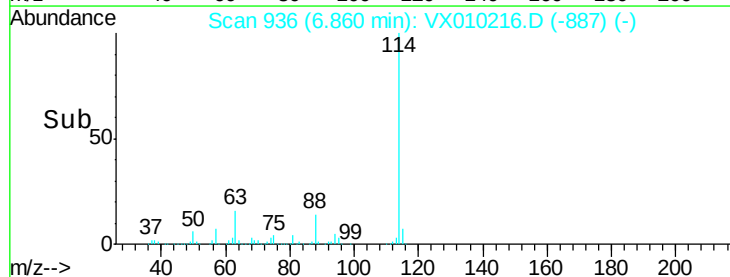
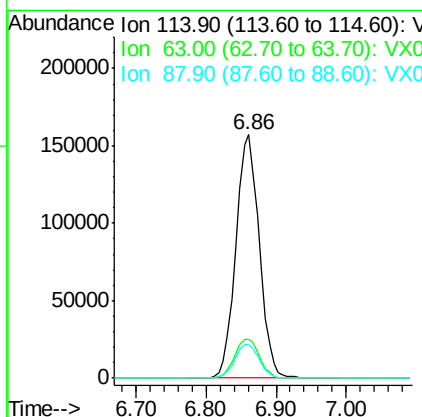
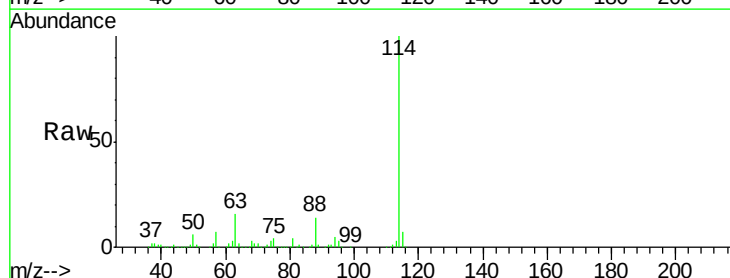
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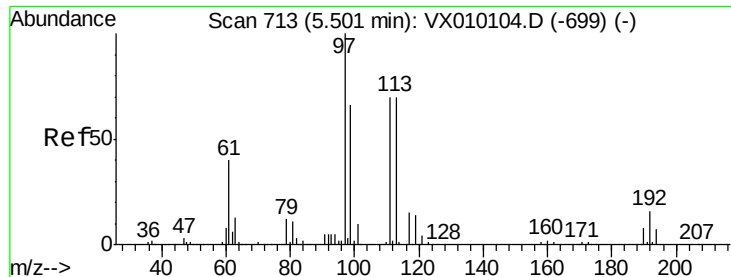
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	47.4
88	14.0	0.0	33.0





#35

Dibromofluoromethane

Concen: 53.727 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

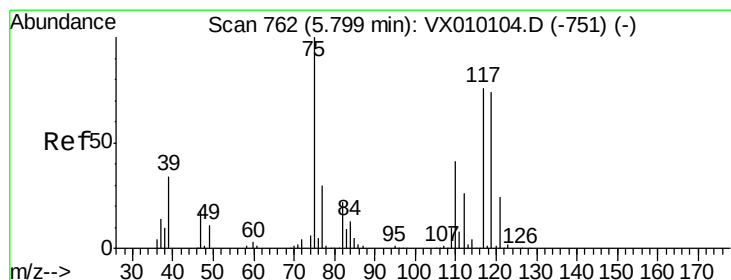
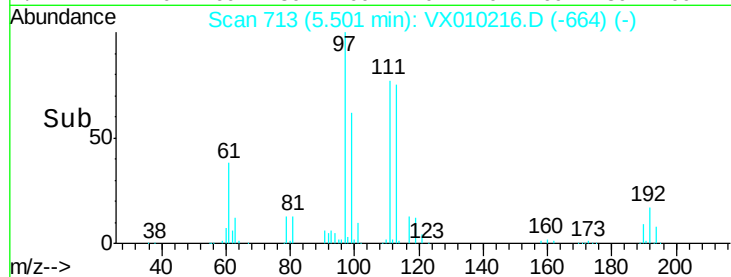
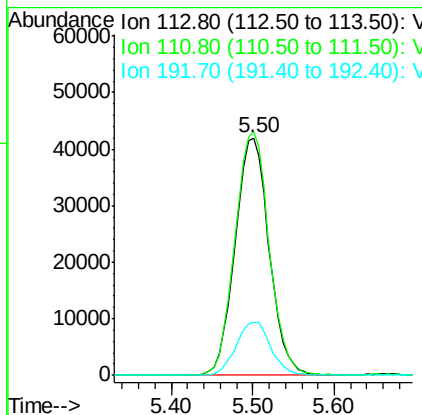
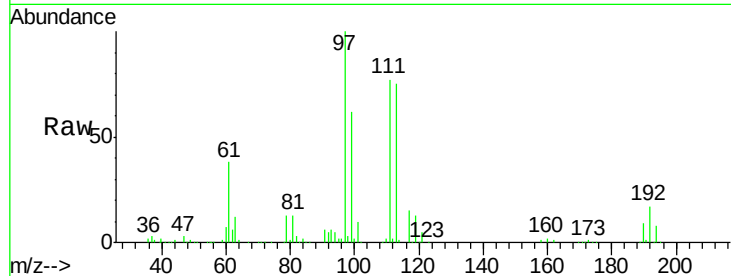
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	121082
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.2	123.2
192	22.8	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 47.477 ug/l

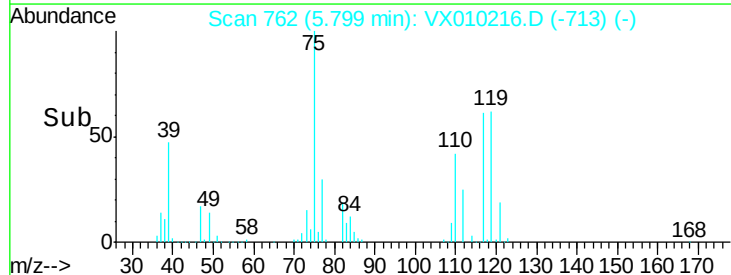
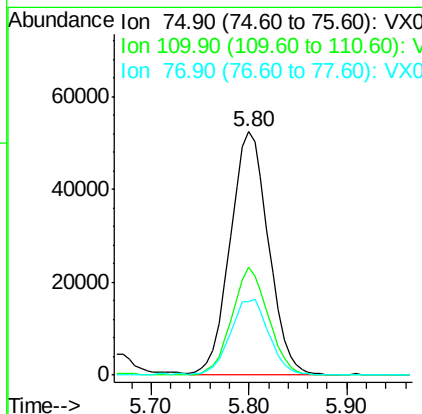
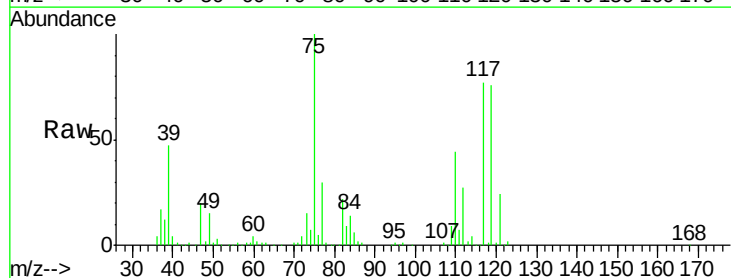
RT: 5.80 min Scan# 762

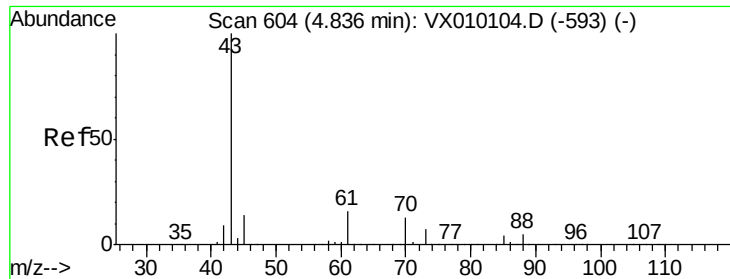
Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Tgt Ion:	75	Resp:	141522
Ion Ratio	Lower	Upper	
75	100		
110	42.4	16.7	50.1
77	31.8	25.0	37.4





#37

Ethyl Acetate

Concen: 49.256 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

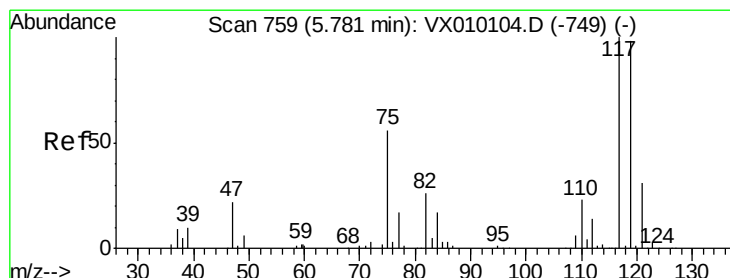
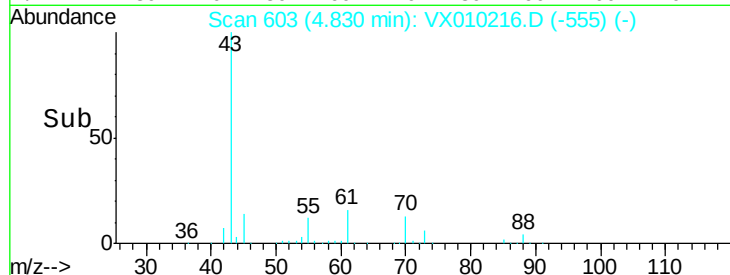
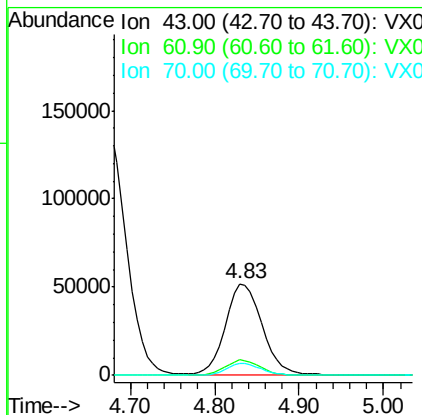
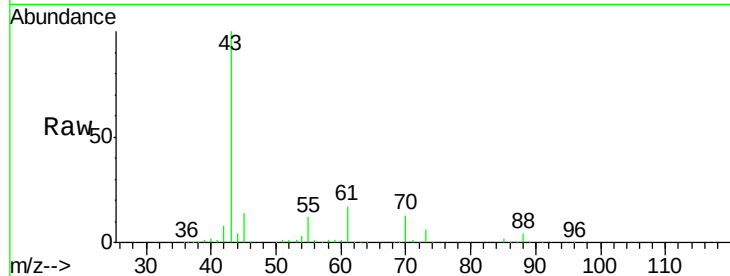
ClientSampled :

VSTDCCC050EC

Tot Ion:	43	Resp:	152767
Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.2	15.2#
70	12.7	7.4	11.2#

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#38

Carbon Tetrachloride

Concen: 47.235 ug/l

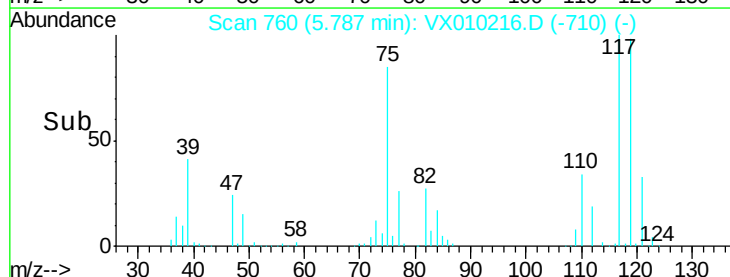
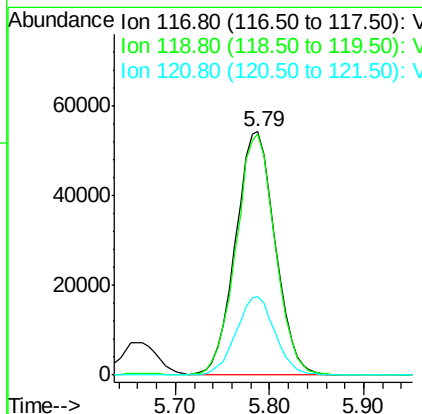
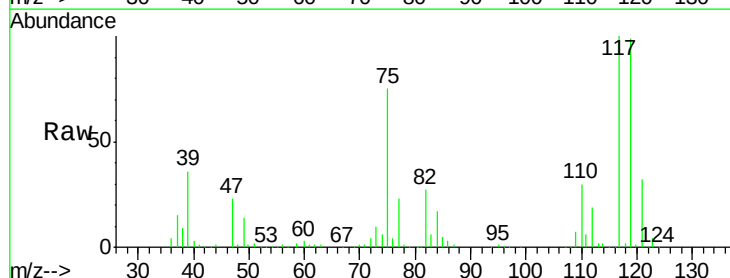
RT: 5.79 min Scan# 760

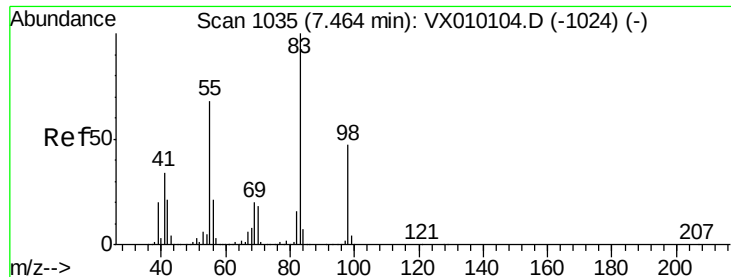
Delta R.T. 0.01 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Tgt Ion:	117	Resp:	159367
Ion	Ratio	Lower	Upper
117	100		
119	98.9	77.3	115.9
121	32.5	25.4	38.0





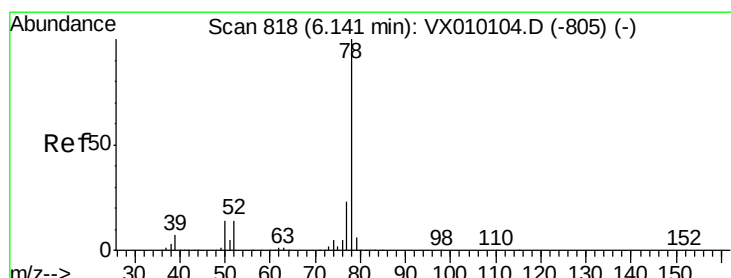
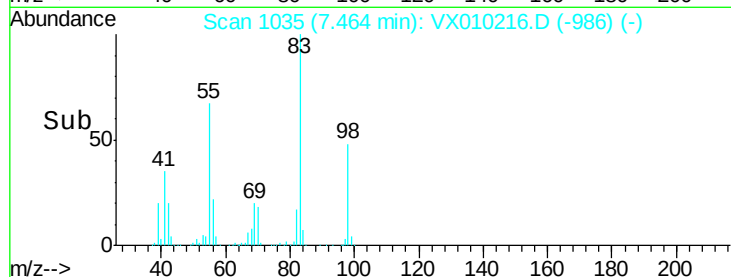
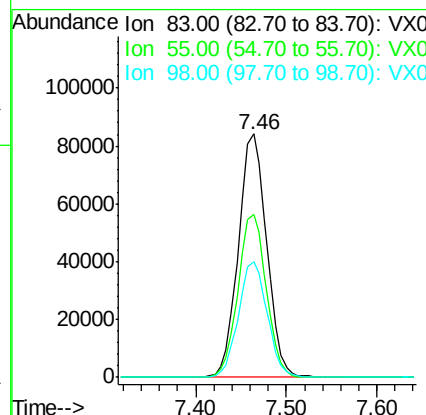
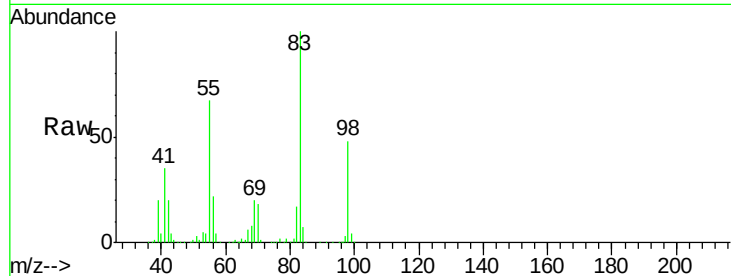
#39
Methylvlcyclohexane
Concen: 44.836 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	181988		
55	66.6	69.9	104.9#	
98	47.5	35.1	52.7	

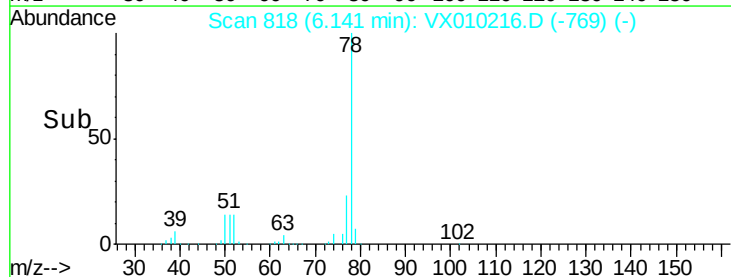
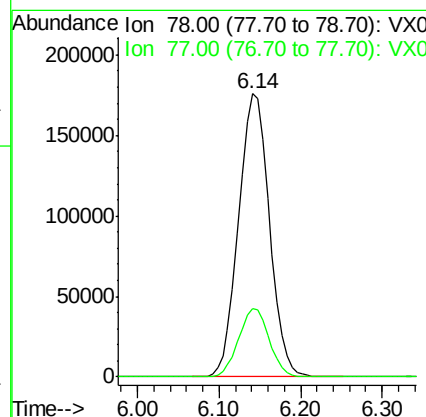
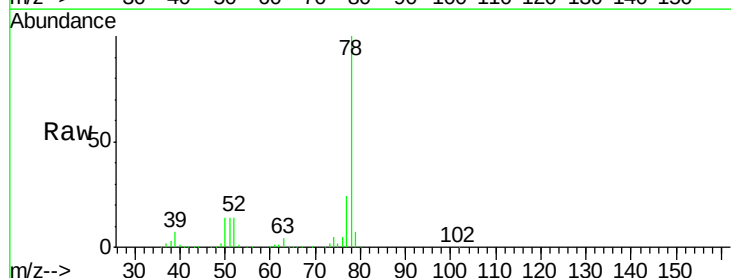
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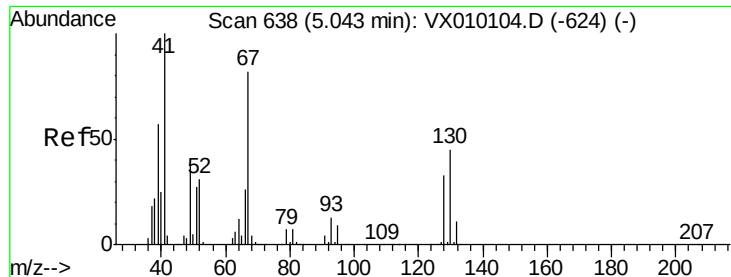
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#40
Benzene
Concen: 50.038 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	461220		
77	24.1	19.2	28.8	





#41

Methacrylonitrile

Concen: 48.821 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 41 Resp: 81906

Ion Ratio Lower Upper

41 100

39 53.7 42.2 63.4

67 86.4 48.9 73.3#

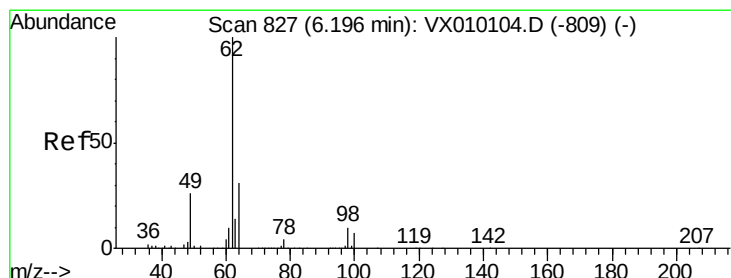
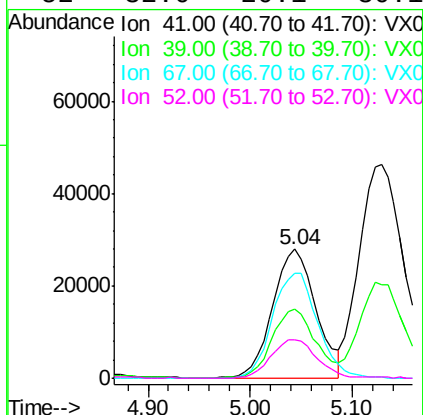
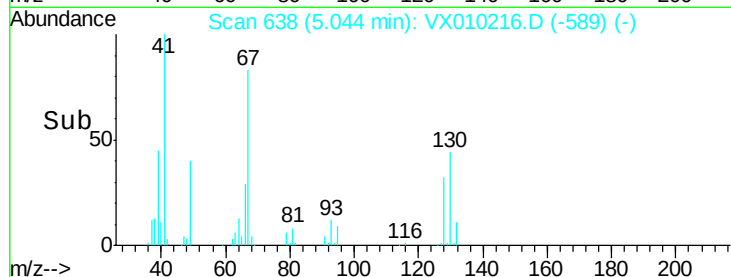
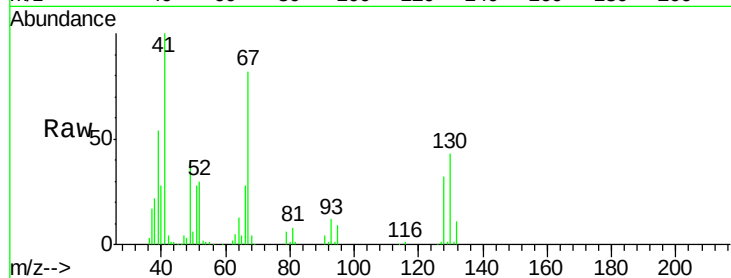
52 32.0 20.1 30.1#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 47.659 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX010216.D

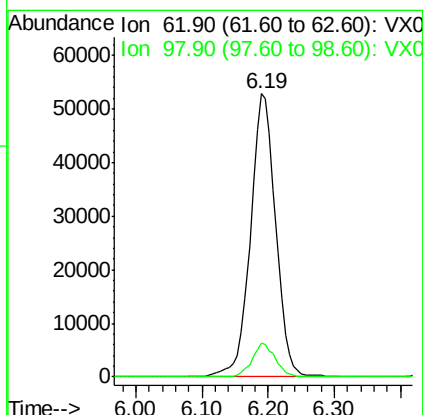
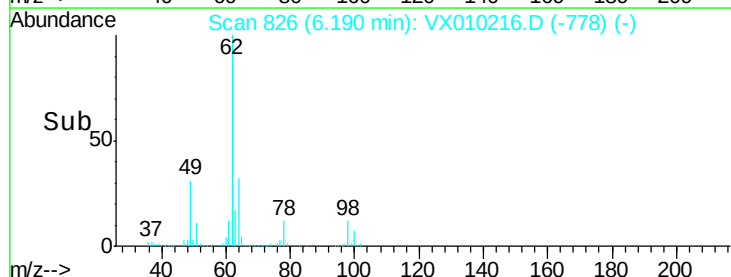
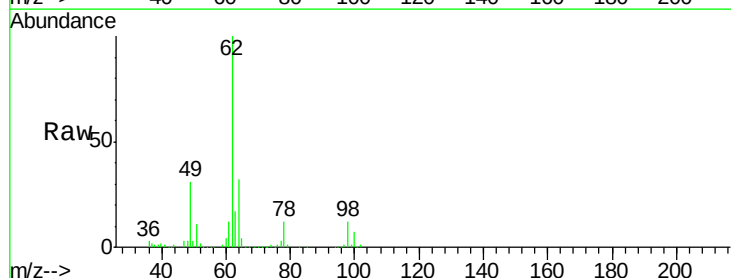
Acq: 11 Jun 2019 07:20

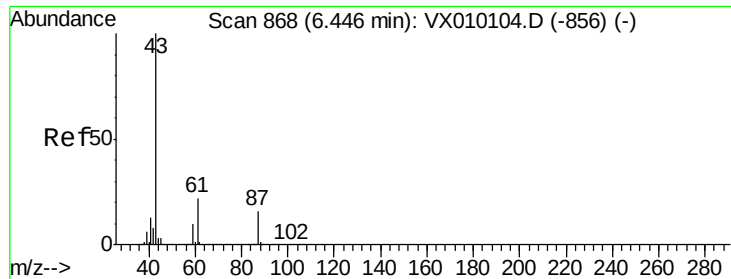
Tgt Ion: 62 Resp: 140243

Ion Ratio Lower Upper

62 100

98 11.2 0.0 17.2





#43

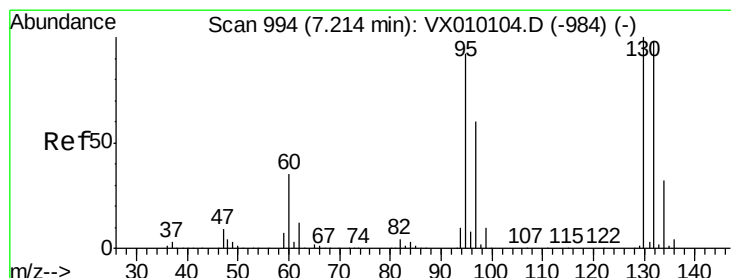
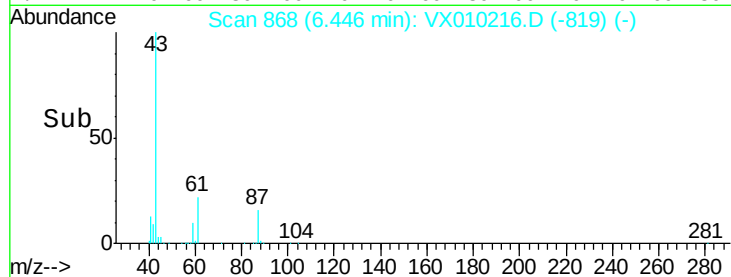
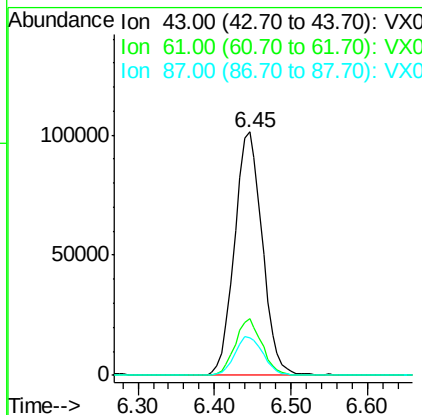
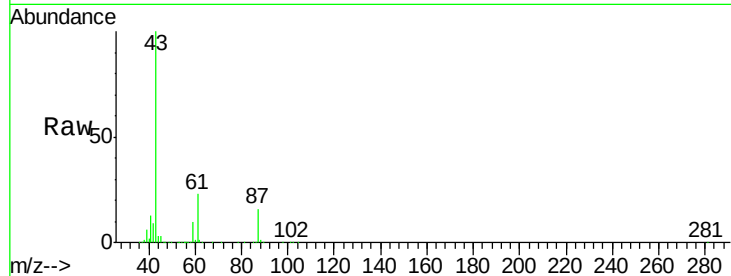
Isopropyl Acetate
 Concen: 49.001 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.7	14.6	21.8#
87	16.3	8.7	13.1#

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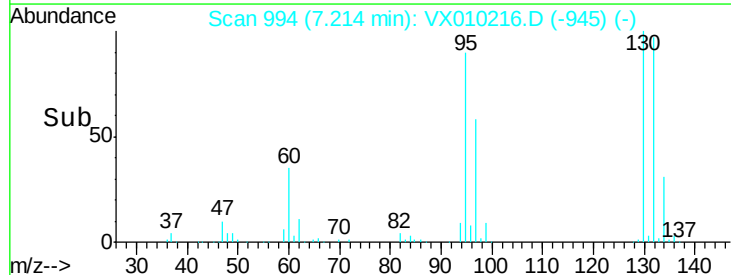
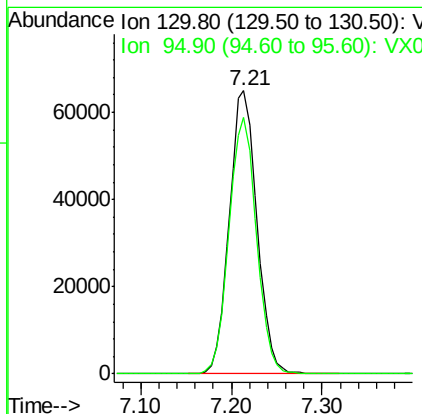
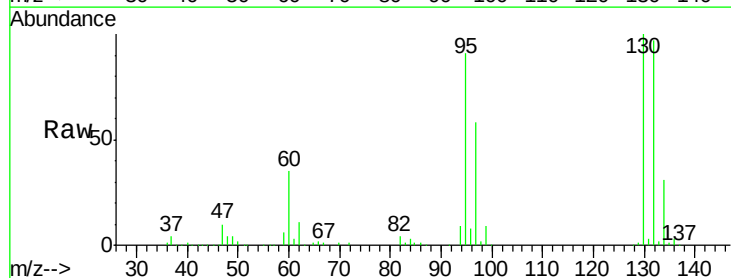
MMDadoda
 6/11/2019 11:53:41 AM

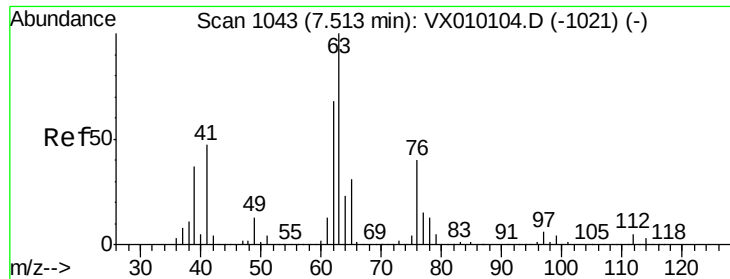


#44

Trichloroethene
 Concen: 49.529 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	207.4





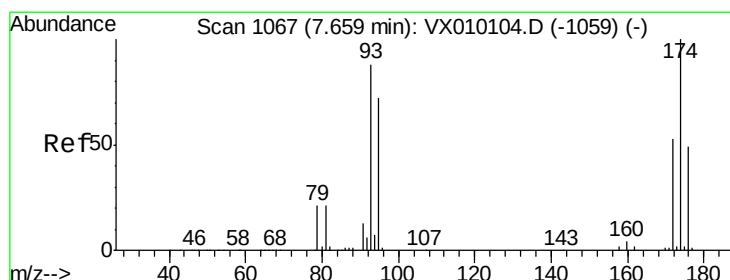
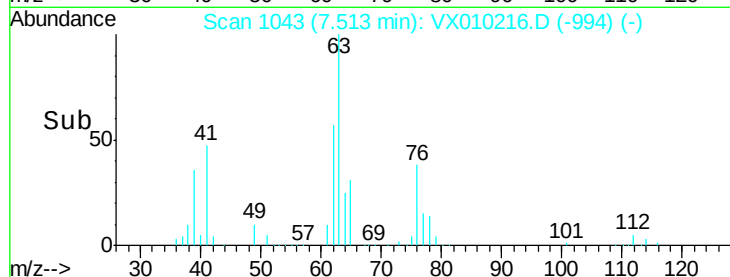
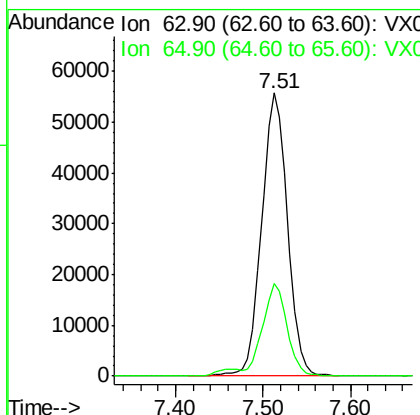
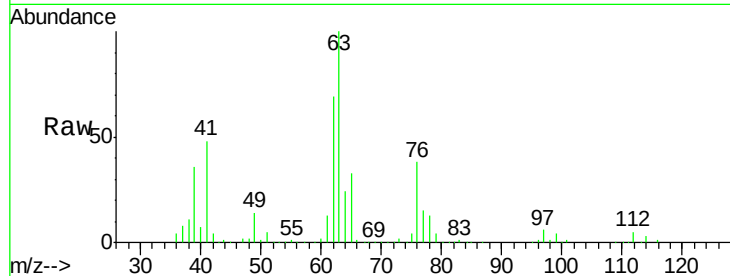
#45
 1,2-Dichloropropane
 Concen: 50.056 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 115481
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.7 38.5

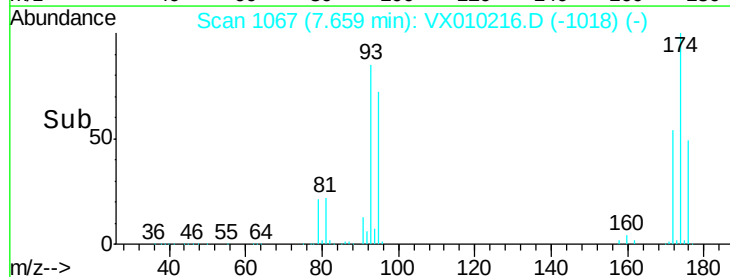
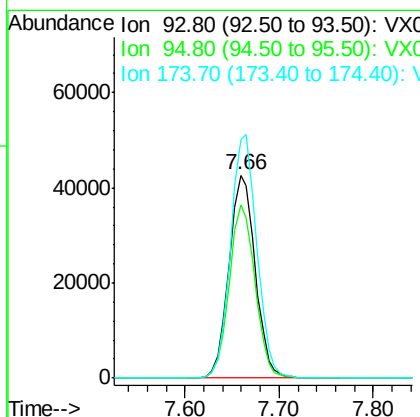
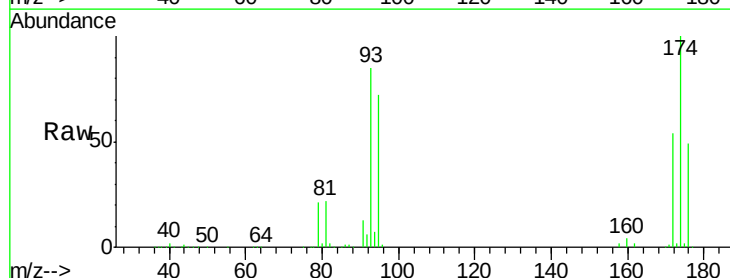
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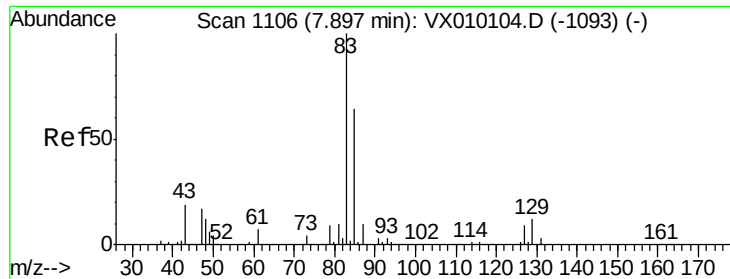
MMDadoda
 6/11/2019 11:53:41 AM



#46
 Dibromomethane
 Concen: 47.732 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion: 93 Resp: 82498
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.8 100.2
 174 120.2 81.9 122.9





#47

Bromodichloromethane

Concen: 48.562 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

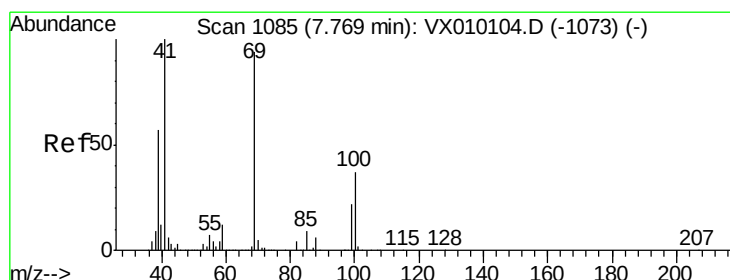
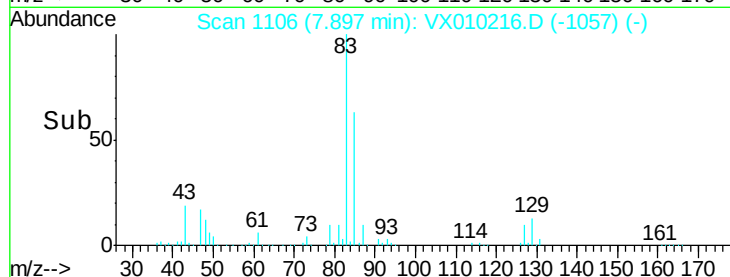
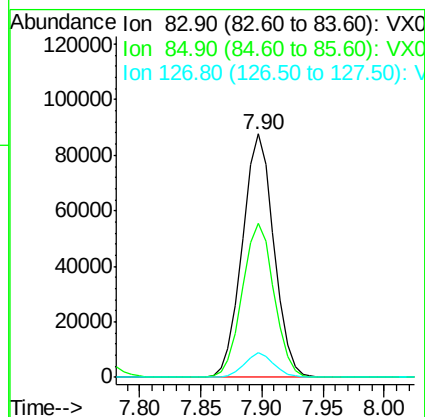
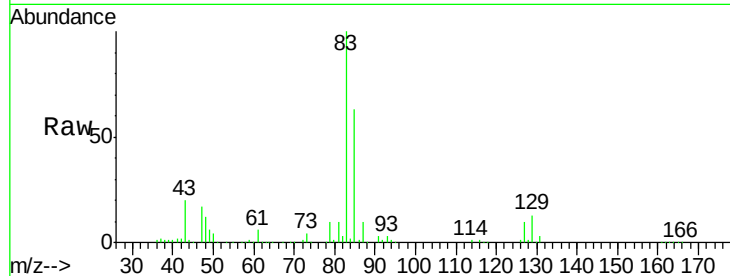
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	156835
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2
127	10.0	6.4	9.6#

Manual Integrations
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6/11/2019 11:53:41 AM



#48

Methyl methacrylate

Concen: 49.885 ug/l

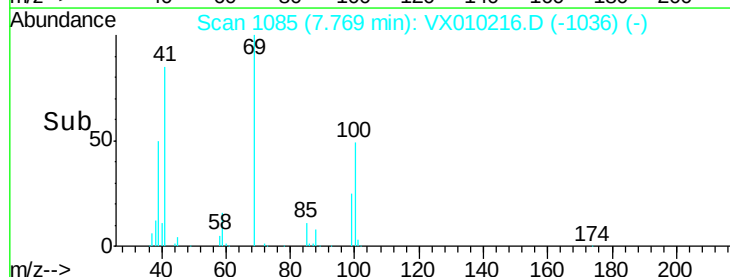
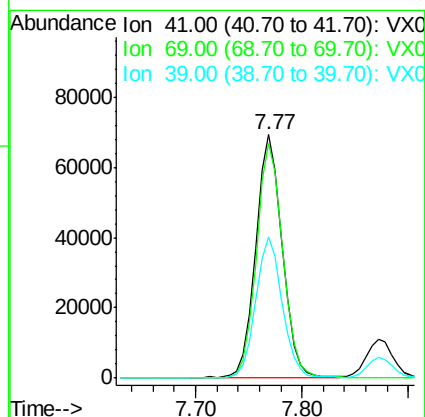
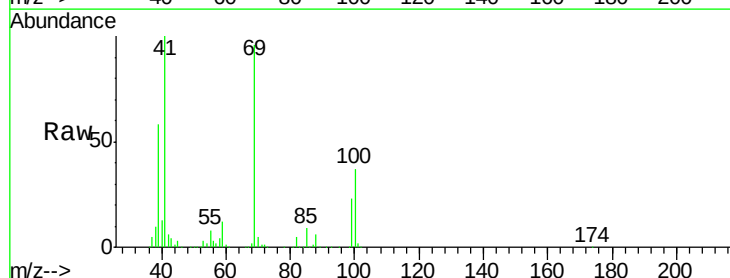
RT: 7.77 min Scan# 1085

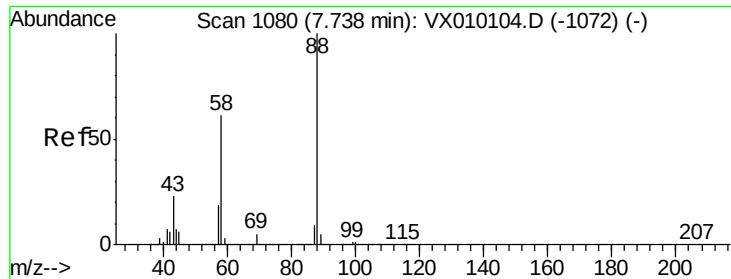
Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Tgt Ion:	41	Resp:	120980
Ion	Ratio	Lower	Upper
41	100		
69	96.4	56.4	84.6#
39	57.8	40.6	60.8





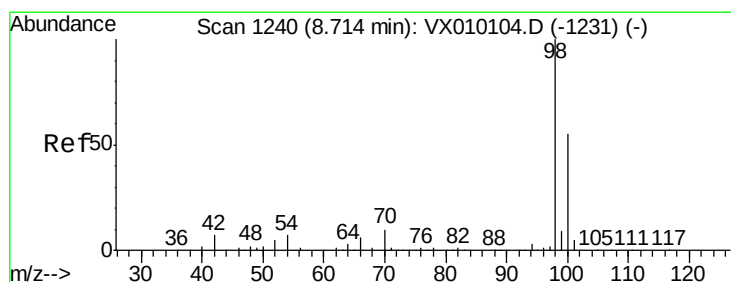
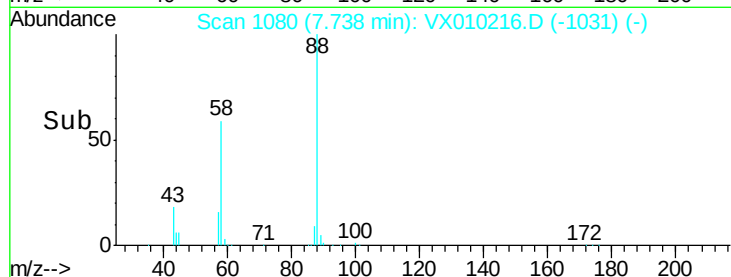
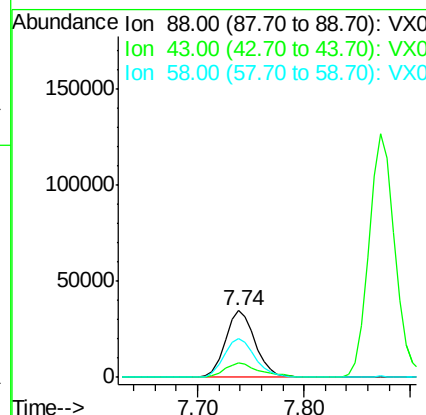
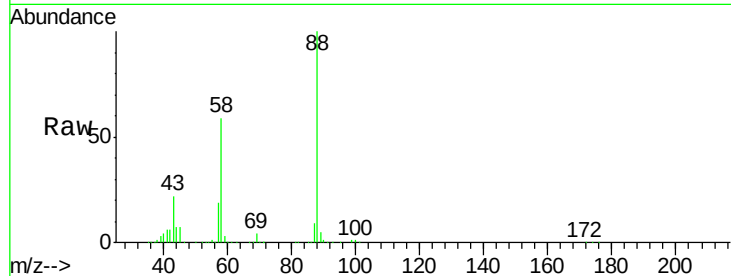
#49
 1,4-Dioxane
 Concen: 981.366 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.8	30.2	45.4#
58	60.9	64.0	96.0#

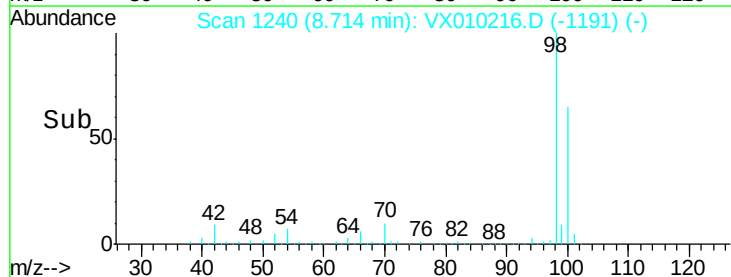
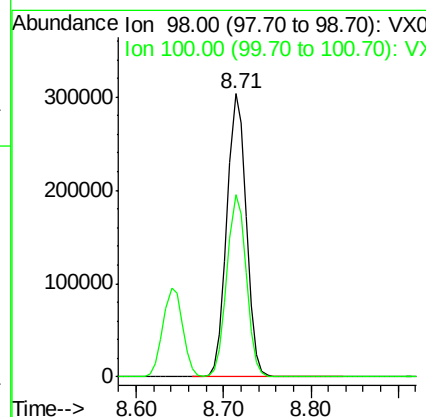
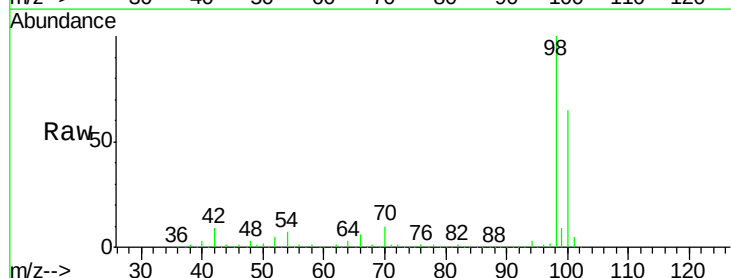
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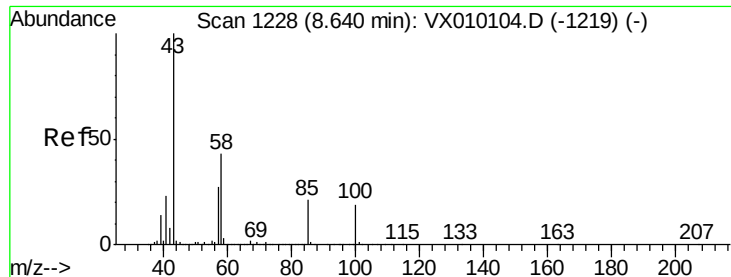
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#50
 Toluene-d8
 Concen: 55.106 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 261.481 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 810039

Ion Ratio Lower Upper

43 100

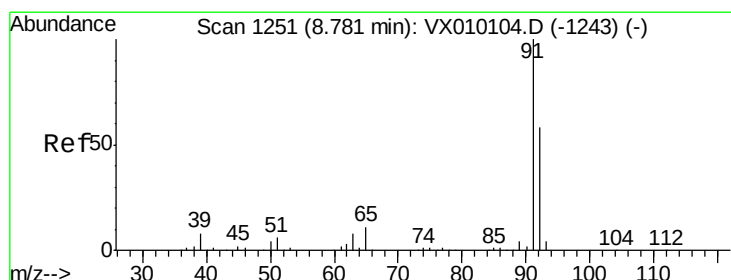
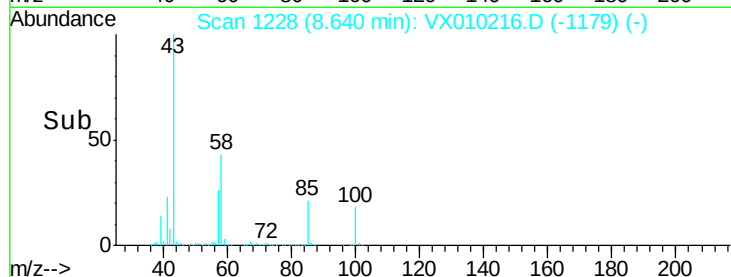
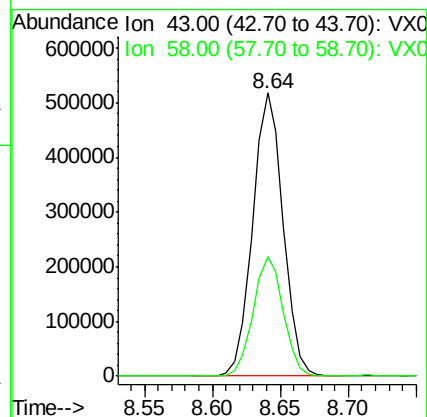
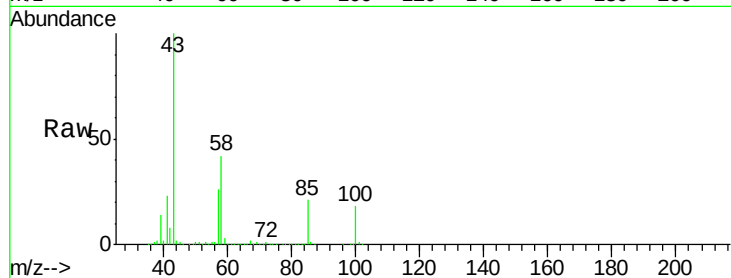
58 42.0 28.8 43.2

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#52

Toluene

Concen: 50.195 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010216.D

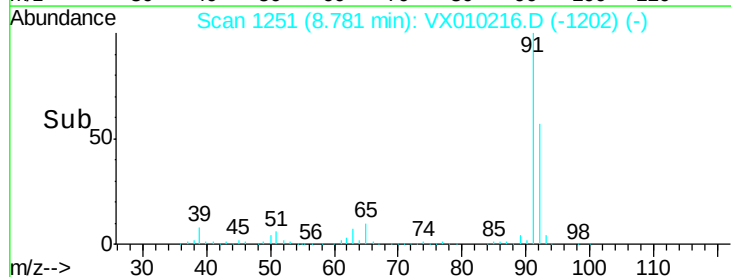
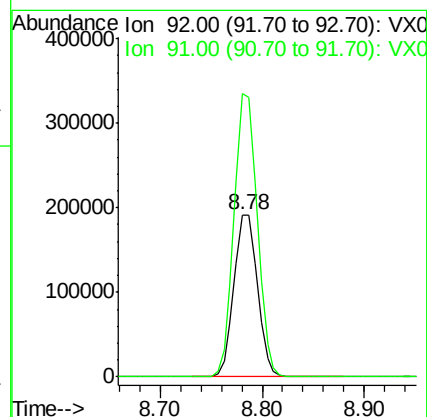
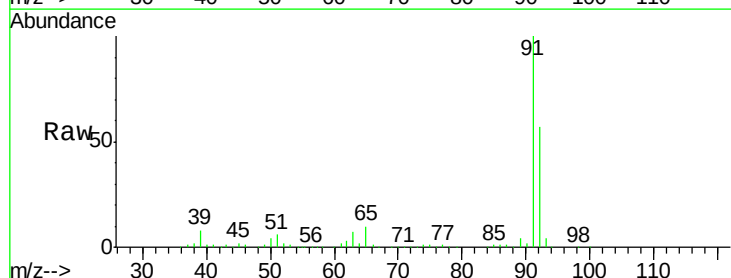
Acq: 11 Jun 2019 07:20

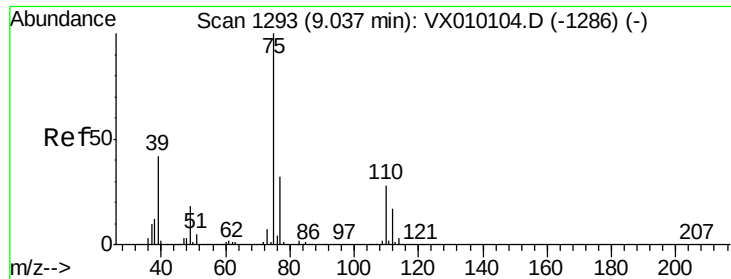
Tgt Ion: 92 Resp: 304128

Ion Ratio Lower Upper

92 100

91 173.4 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 44.030 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 164481

Ion Ratio Lower Upper

75 100

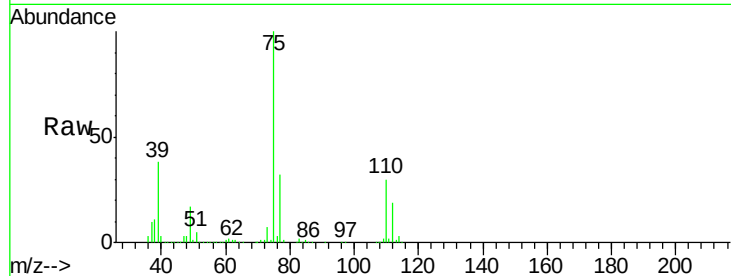
77 32.1 24.6 36.8

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

120000

100000

80000

60000

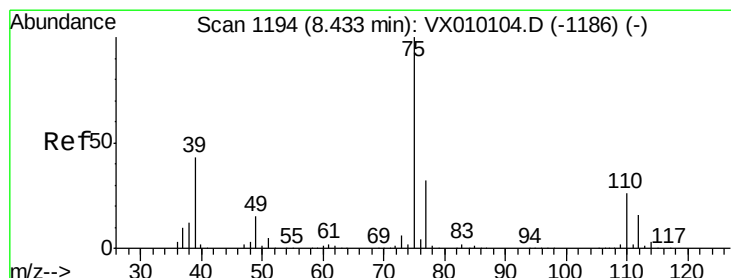
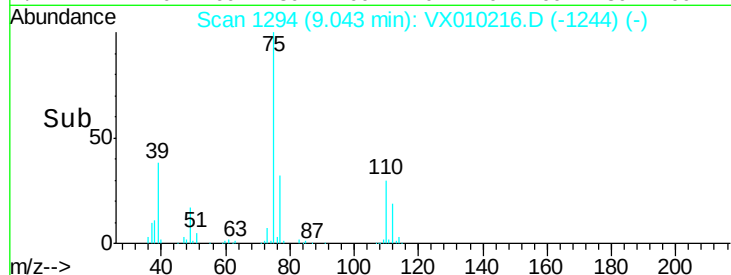
40000

20000

0

9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 44.359 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

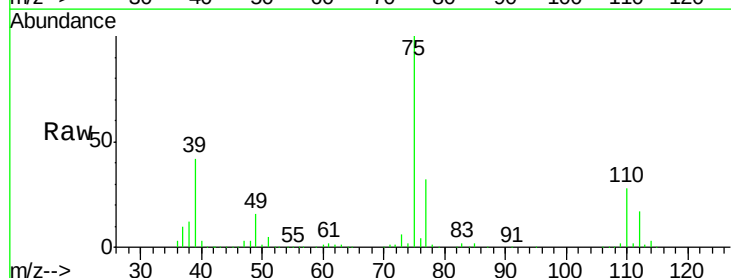
Tgt Ion: 75 Resp: 177647

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

39 41.5 43.4 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

150000

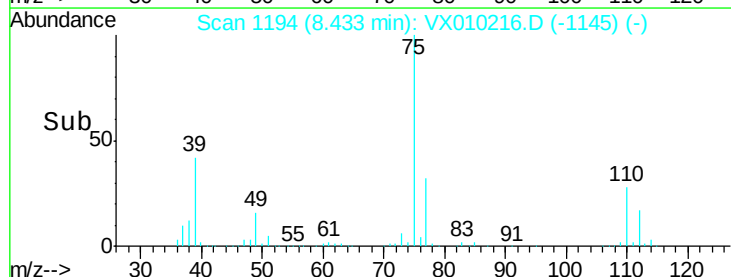
100000

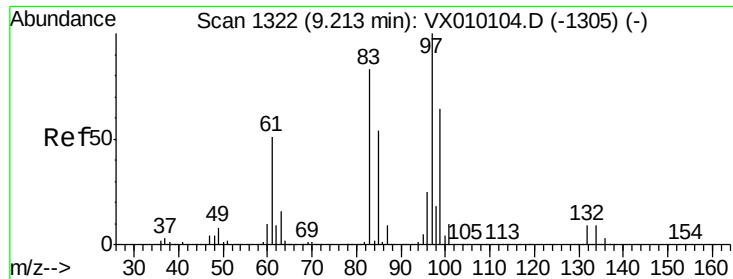
50000

0

8.30 8.40 8.50 8.60

Time-->





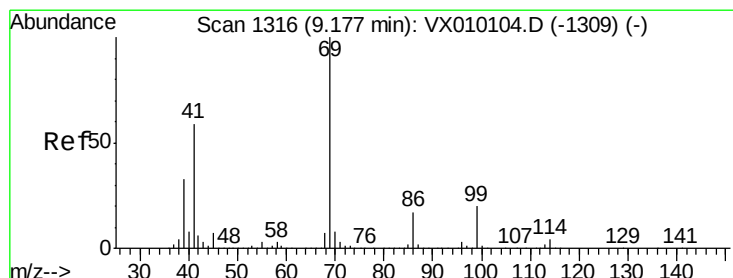
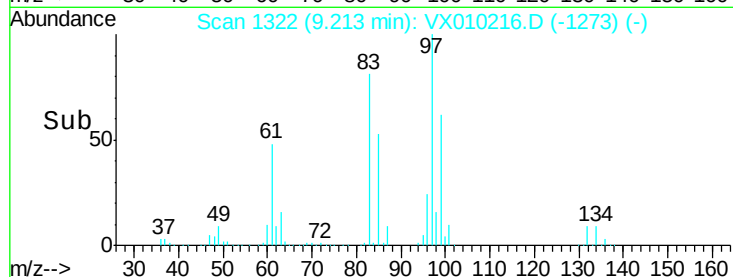
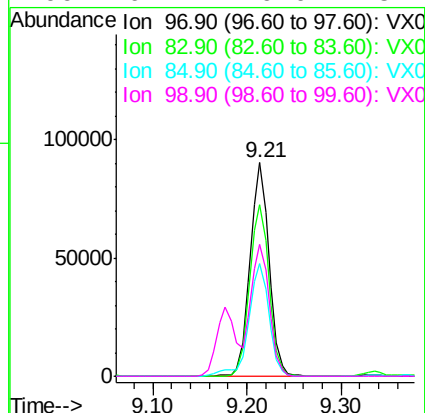
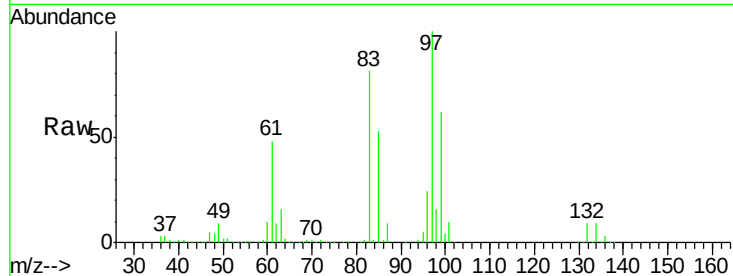
#55
 1,1,2-Trichloroethane
 Concen: 51.442 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	127648
Ion	Ratio	Lower	Upper
97	100		
83	80.5	69.8	104.8
85	52.6	45.3	67.9
99	61.7	49.0	73.4

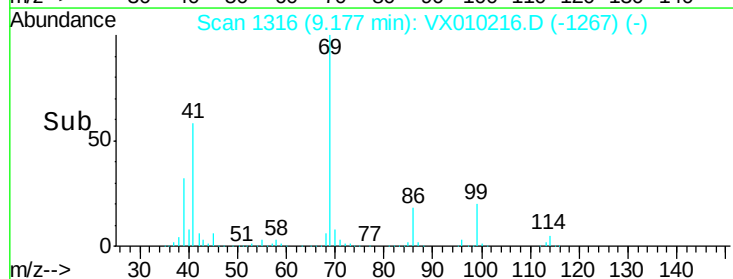
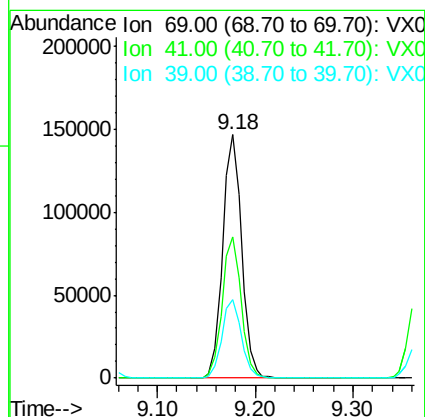
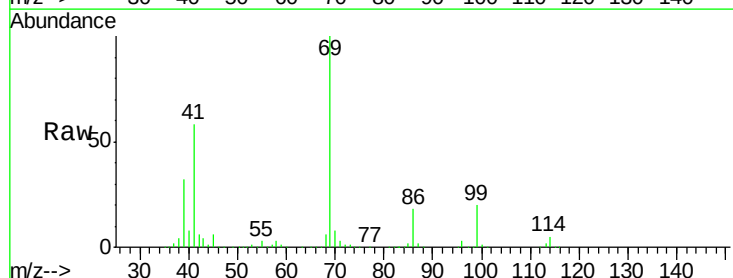
Manual Integrations
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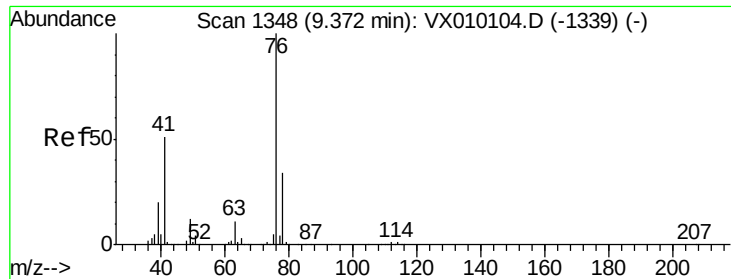
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#56
 Ethyl methacrylate
 Concen: 50.441 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion:	69	Resp:	197716
Ion	Ratio	Lower	Upper
69	100		
41	58.1	62.7	94.1#
39	32.6	29.5	44.3





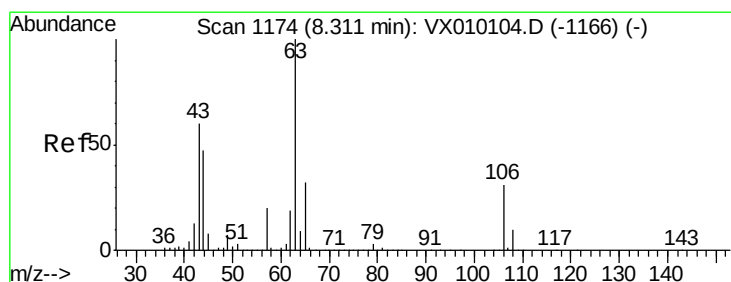
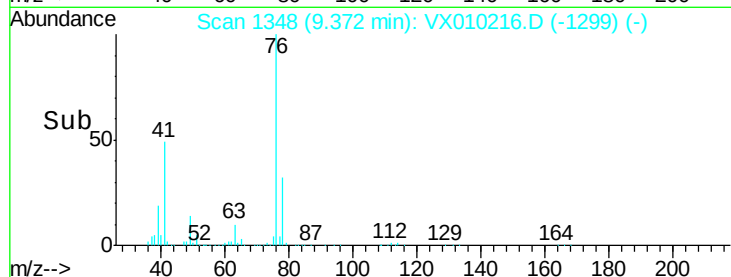
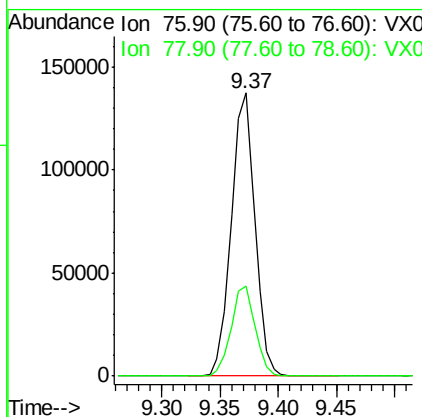
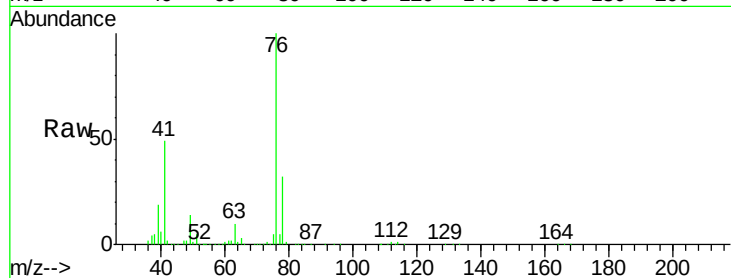
#57
 1,3-Dichloropropane
 Concen: 50.036 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.4	38.0

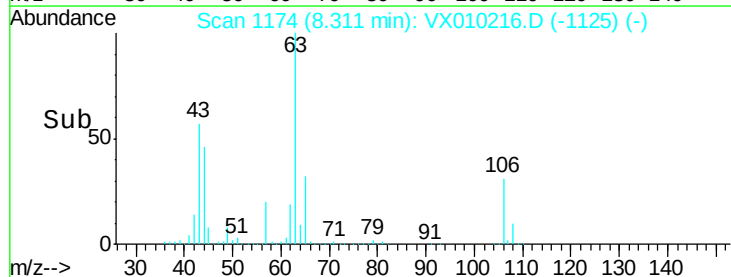
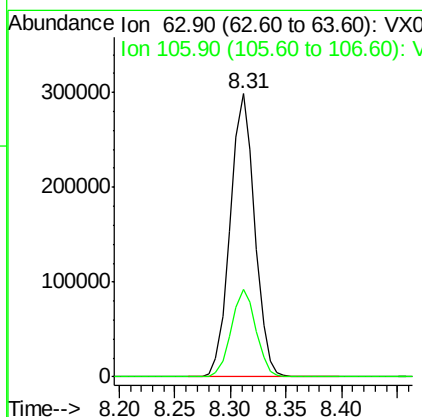
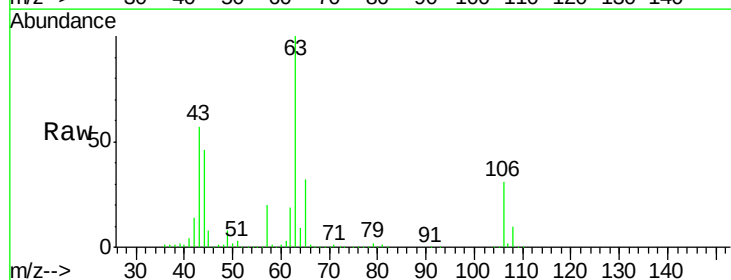
Manual Integrations
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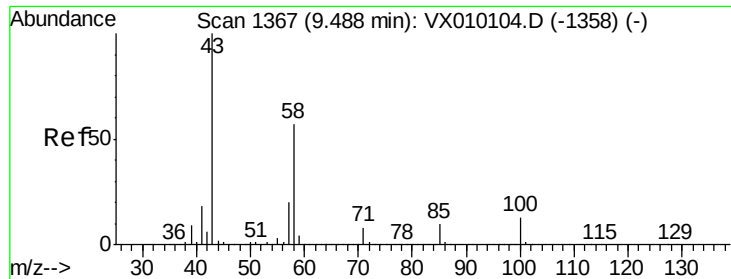
MMDadoda
 6/11/2019 11:53:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.844 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.1	19.4	29.2





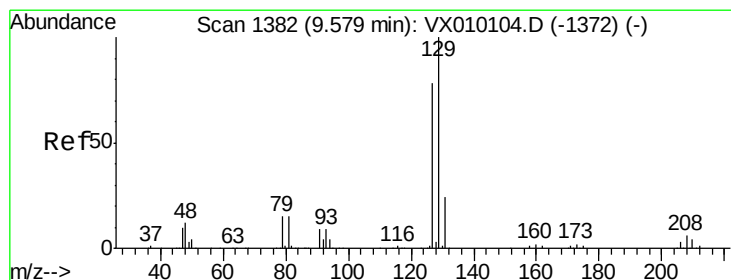
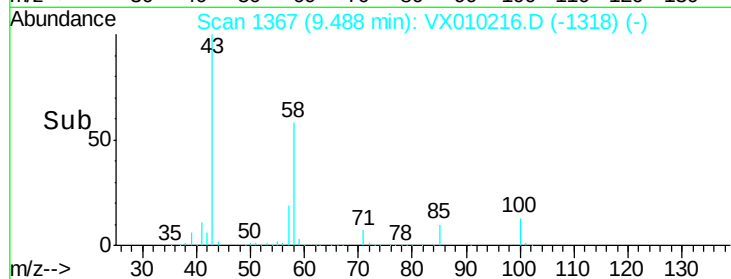
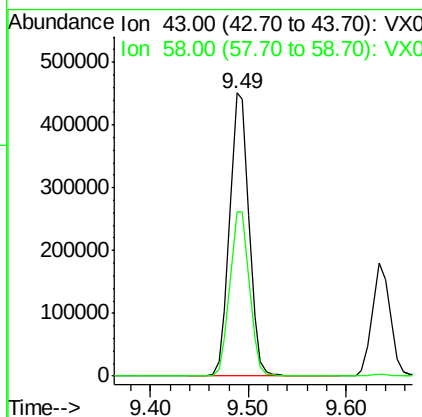
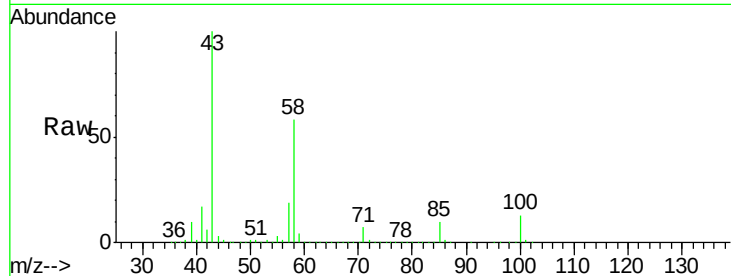
#59
2-Hexanone
Concen: 251.000 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 619966
Ion Ratio Lower Upper
43 100
58 59.0 25.1 75.3

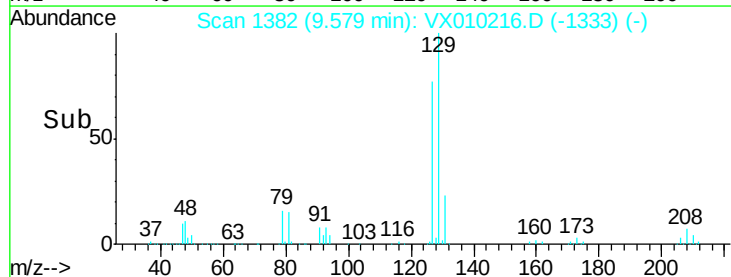
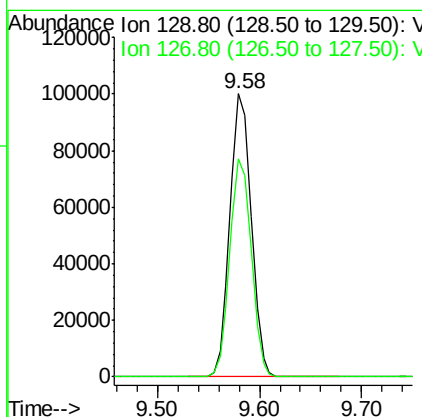
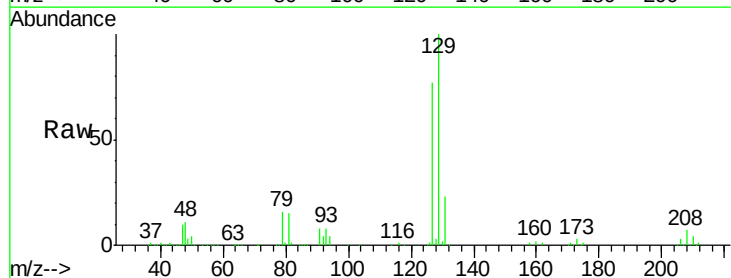
Manual Integrations
APPROVED

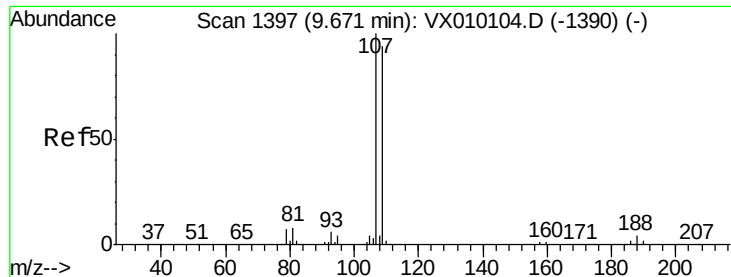
MMDadoda
6/11/2019 11:53:41 AM



#60
Dibromochloromethane
Concen: 49.428 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 129 Resp: 145076
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.423 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 136589

Ion Ratio Lower Upper

107 100

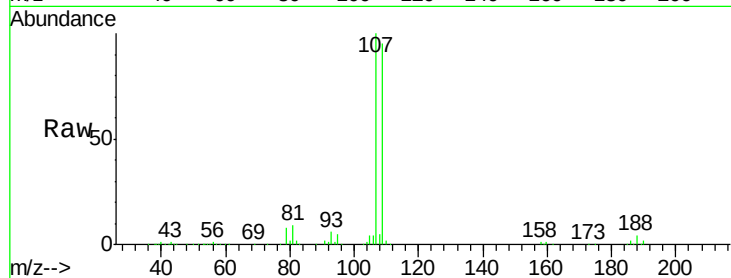
109 95.4 75.4 113.2

Manual Integrations

APPROVED

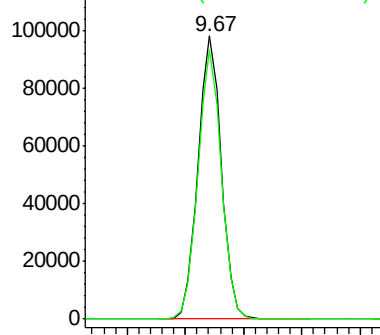
MMDadoda

6/11/2019 11:53:41 AM

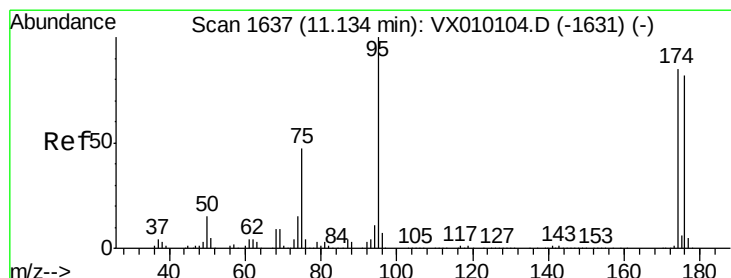
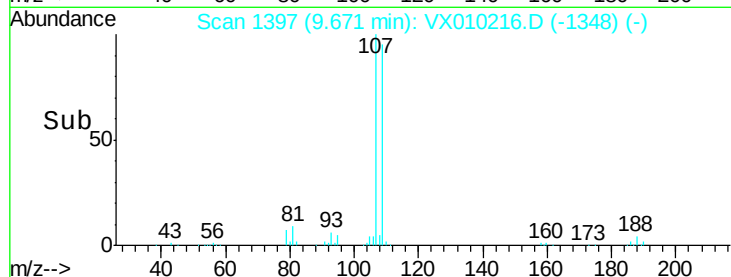


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 53.442 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

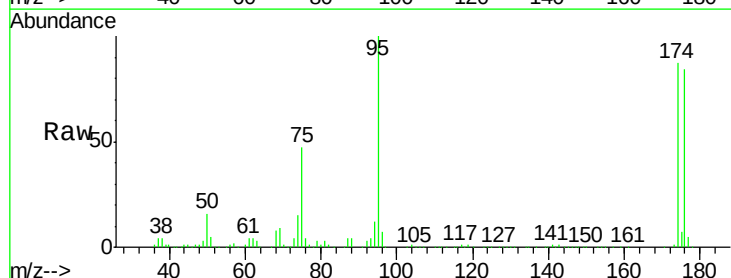
Tgt Ion: 95 Resp: 168577

Ion Ratio Lower Upper

95 100

174 92.4 0.0 160.4

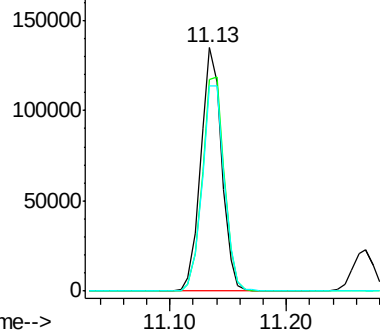
176 89.5 0.0 154.6



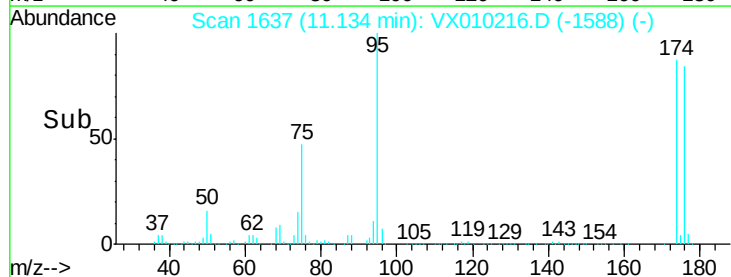
Abundance Ion 94.90 (94.60 to 95.60): VX0

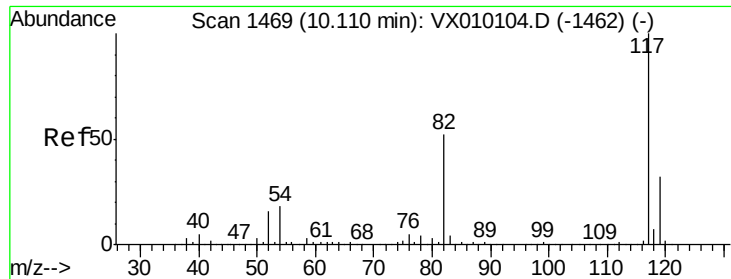
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





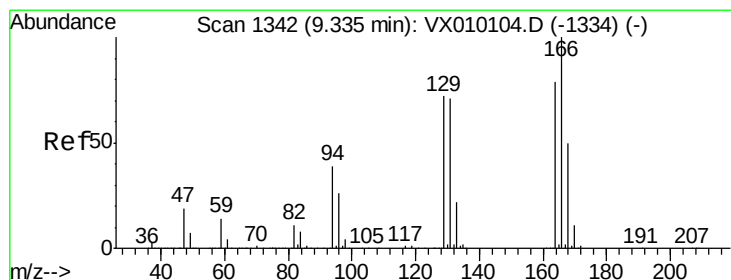
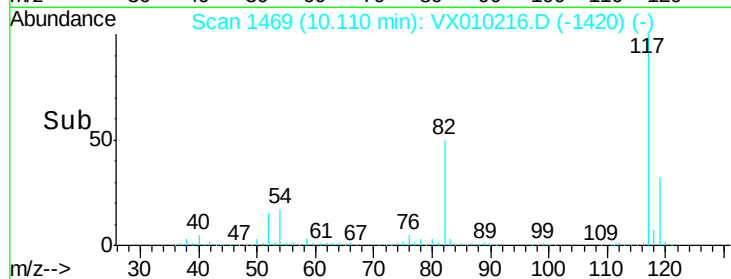
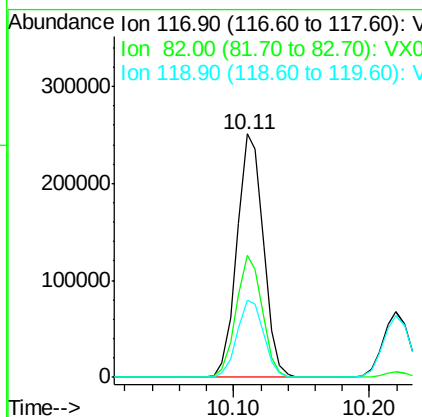
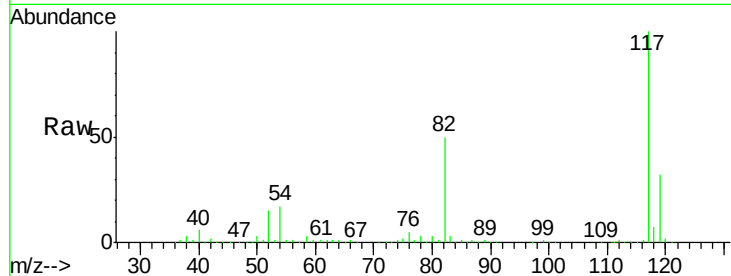
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	49.2	73.8
119	31.8	25.2	37.8

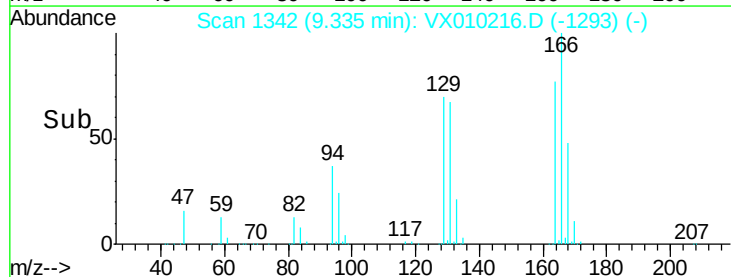
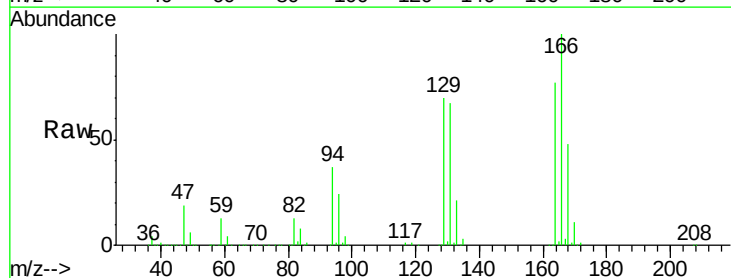
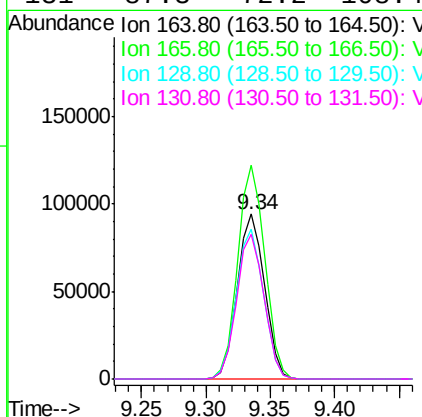
Manual Integrations
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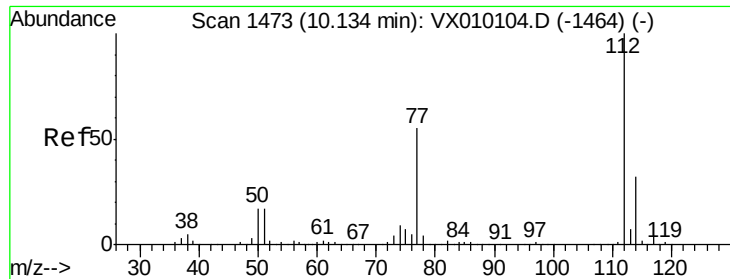
MMDadoda
6/11/2019 11:53:41 AM



#64
Tetrachloroethene
Concen: 55.097 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	105.0	157.4
129	90.4	75.1	112.7
131	87.3	72.2	108.4





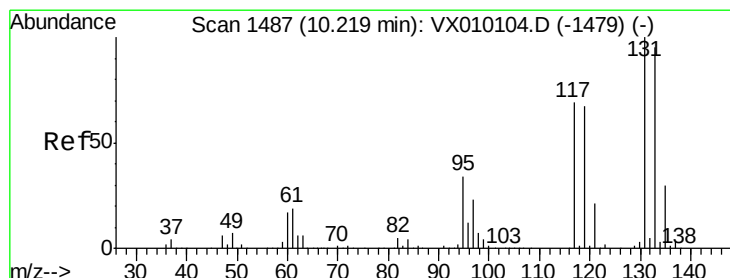
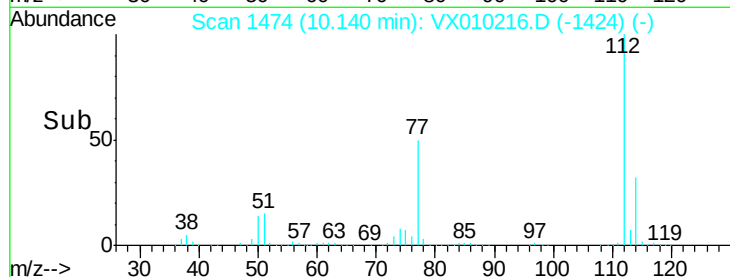
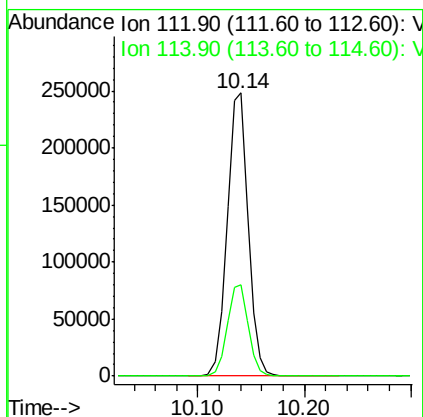
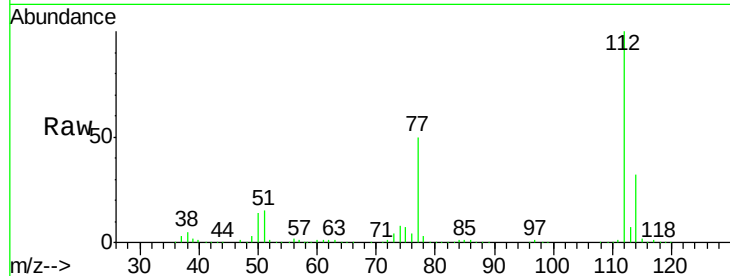
#65
Chlorobenzene
Concen: 48.990 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 342258
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8

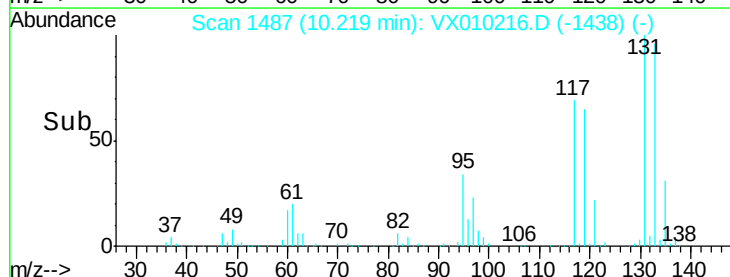
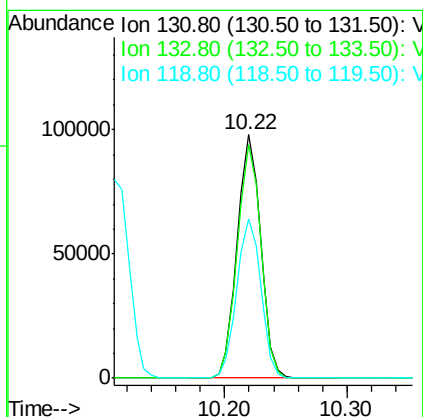
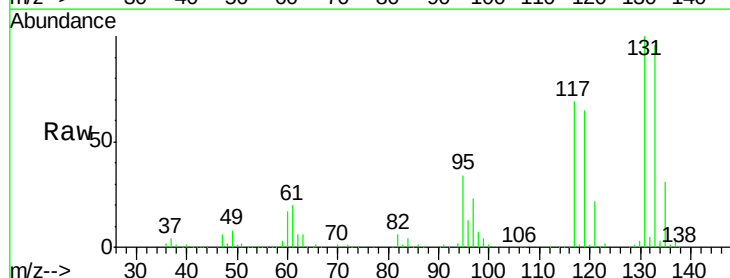
Manual Integrations
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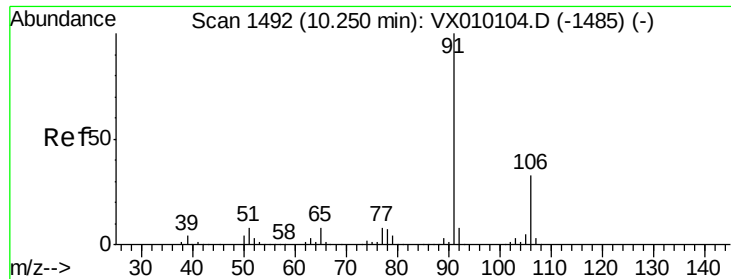
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.539 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion:131 Resp: 130408
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.6
119 66.9 33.4 100.1





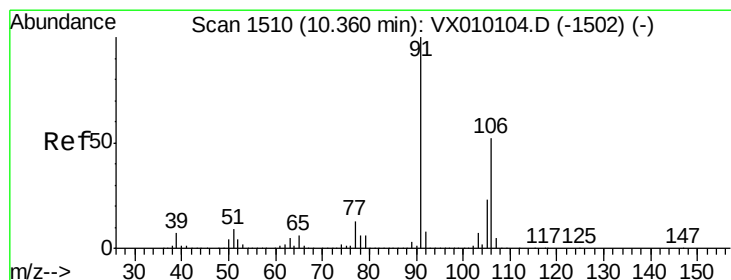
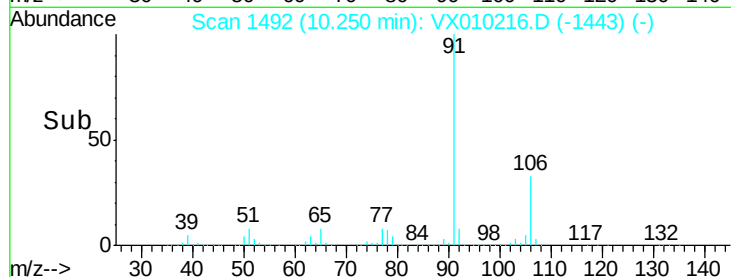
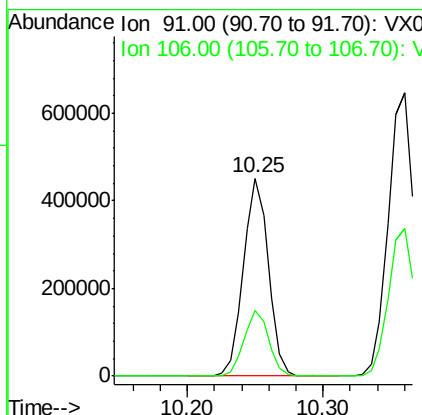
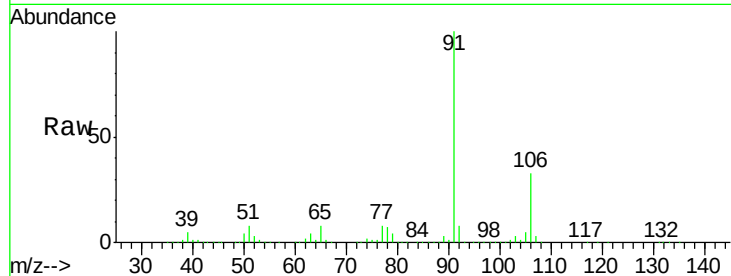
#67
Ethyl Benzene
Concen: 48.622 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 578274
Ion Ratio Lower Upper
91 100
106 33.5 23.9 35.9

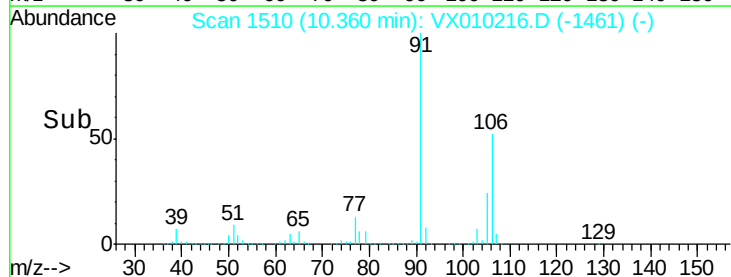
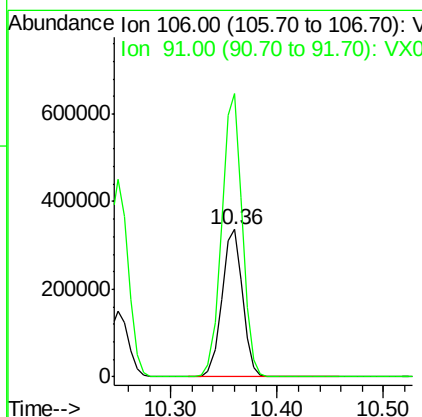
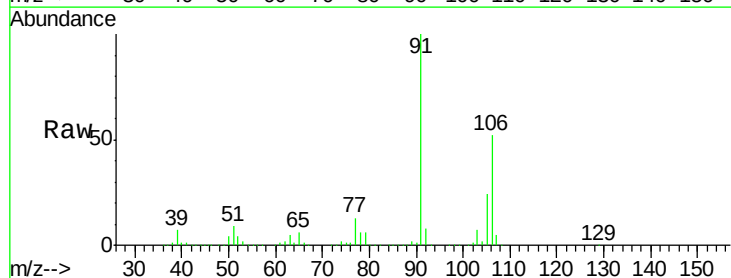
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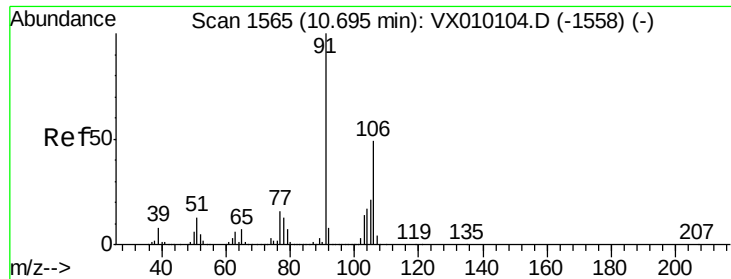
MMDadoda
6/11/2019 11:53:41 AM



#68
m/p-Xylenes
Concen: 98.615 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion: 106 Resp: 453856
Ion Ratio Lower Upper
106 100
91 191.0 167.3 250.9





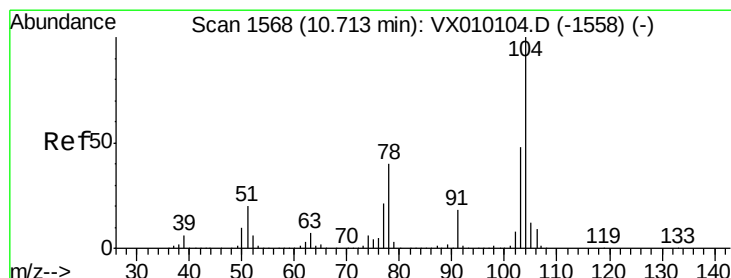
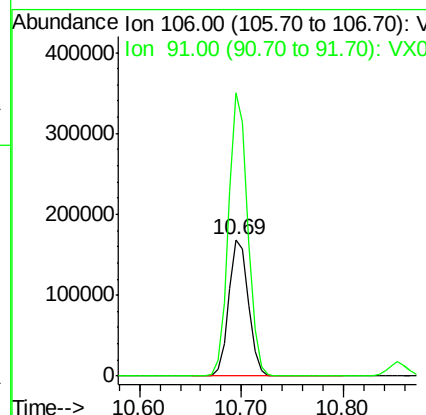
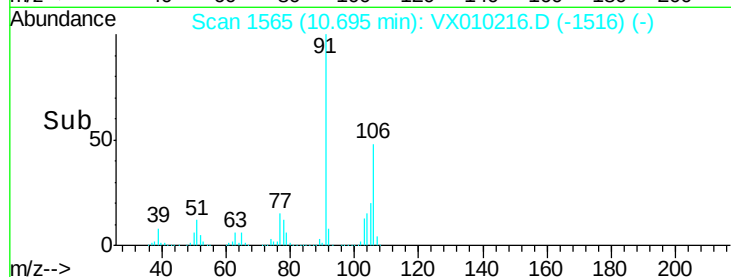
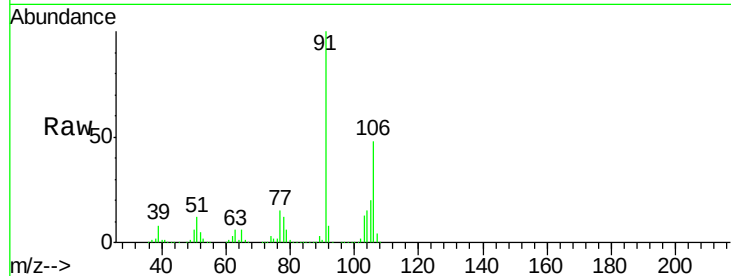
#69
o-Xylene
Concen: 49.064 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.2	110.4	331.2

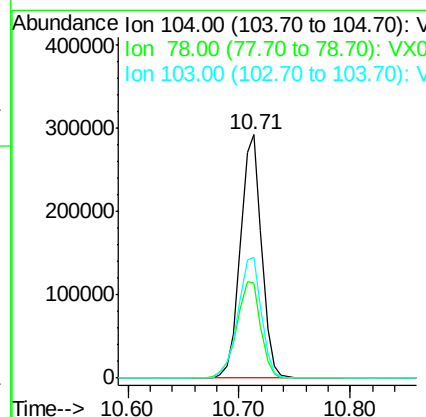
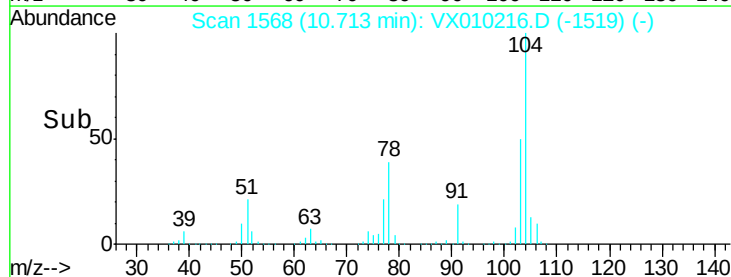
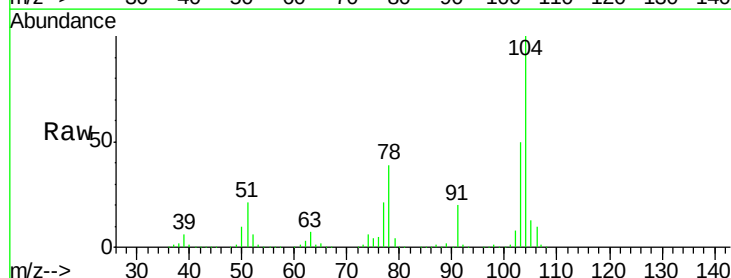
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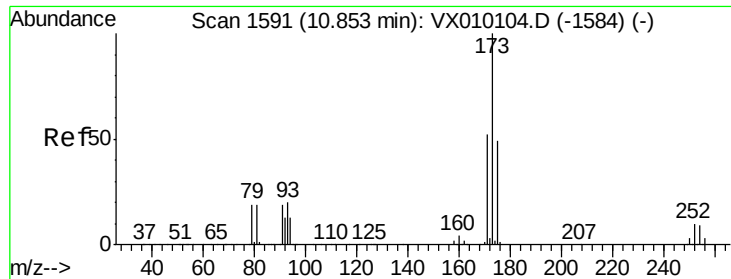
MMDadoda
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#70
Styrene
Concen: 49.307 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.2	42.1	63.1
103	55.3	44.1	66.1





#71

Bromoform

Concen: 48.401 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 119546

Ion Ratio Lower Upper

173 100

175 48.7 25.0 75.0

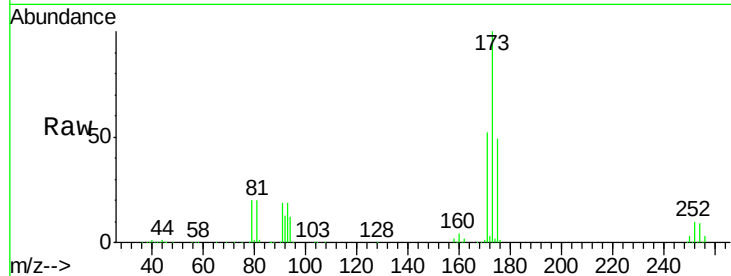
254 0.1 0.2 0.2#

Manual Integrations

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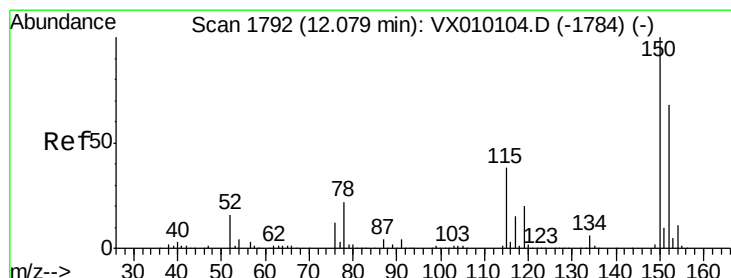
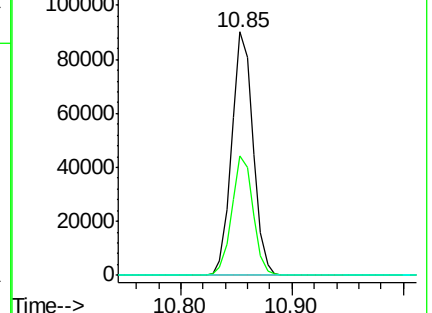
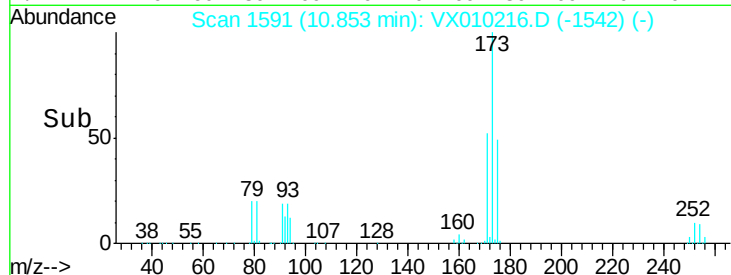
6/11/2019 11:53:41 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

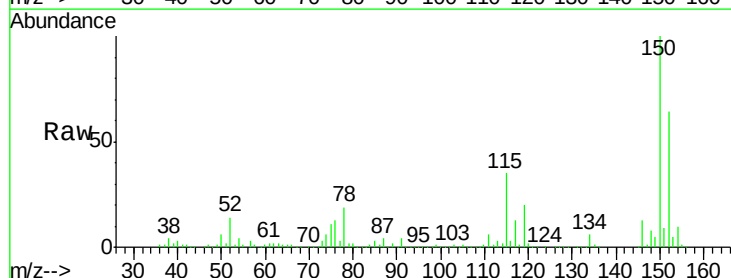
Tgt Ion:152 Resp: 170185

Ion Ratio Lower Upper

152 100

115 76.9 41.4 124.2

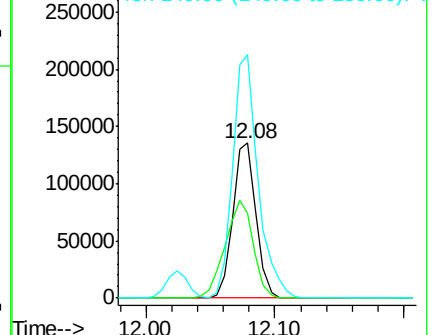
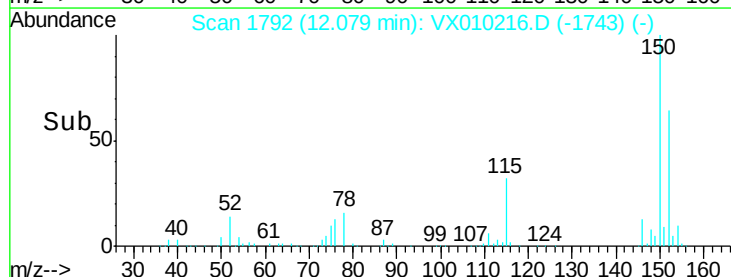
150 172.8 0.0 345.2

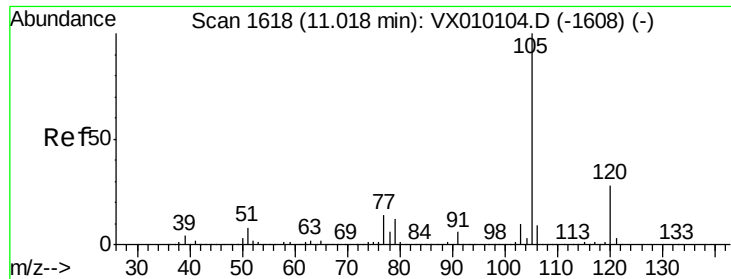


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.865 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 580522

Ion Ratio Lower Upper

105 100

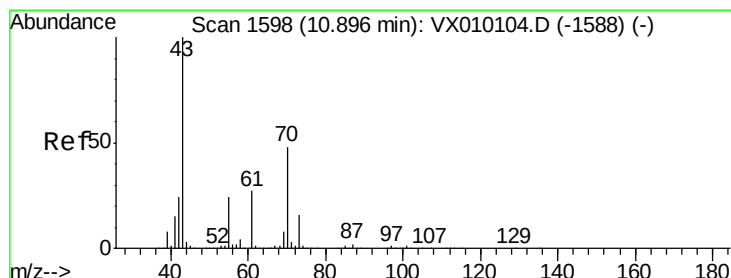
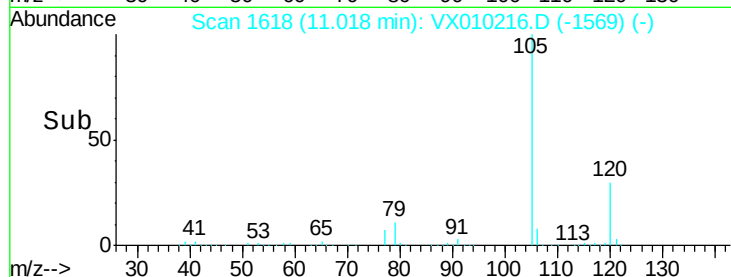
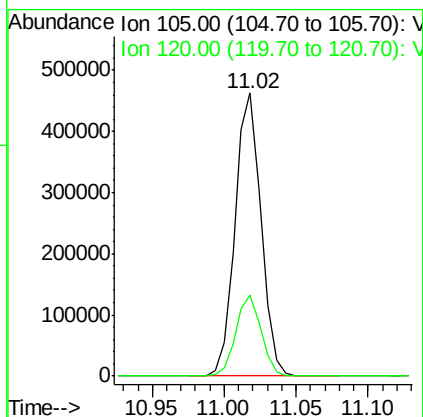
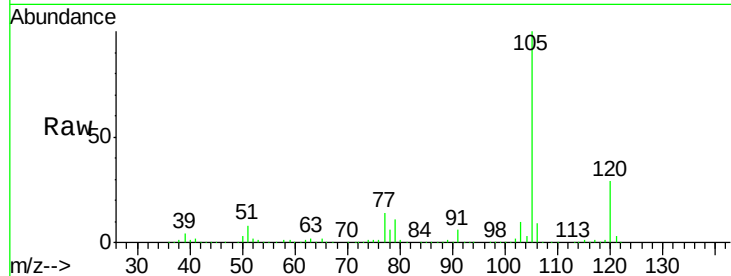
120 28.1 12.8 38.4

Manual Integrations

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6/11/2019 11:53:41 AM



#74

N-ethyl acetate

Concen: 49.278 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Tgt Ion: 43 Resp: 231417

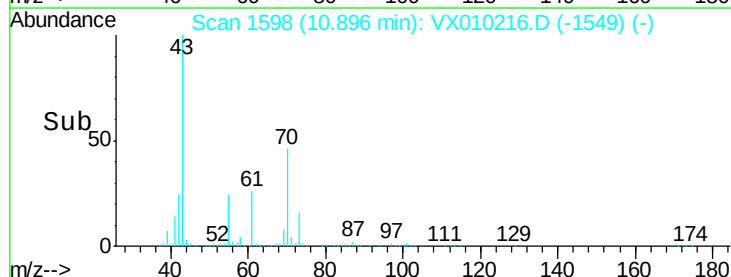
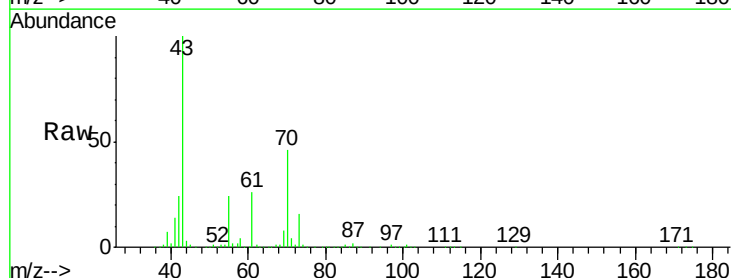
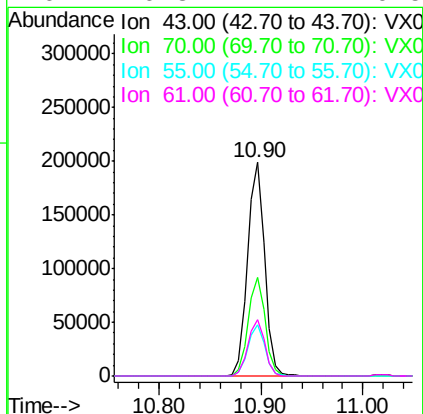
Ion Ratio Lower Upper

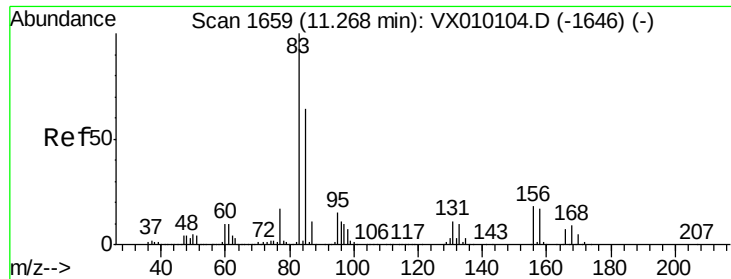
43 100

70 46.2 28.6 43.0#

55 23.9 17.8 26.8

61 26.3 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.007 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

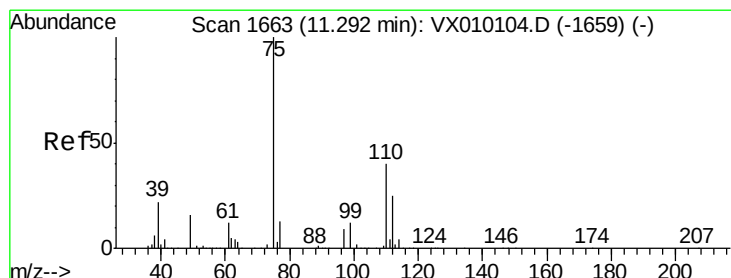
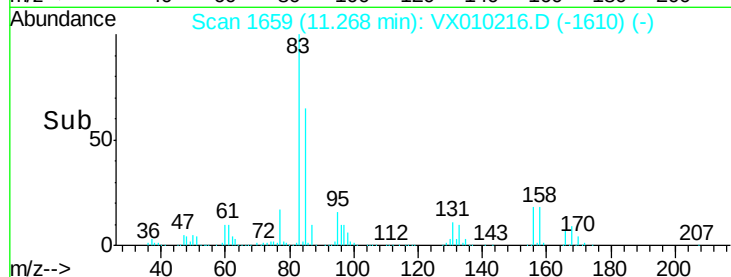
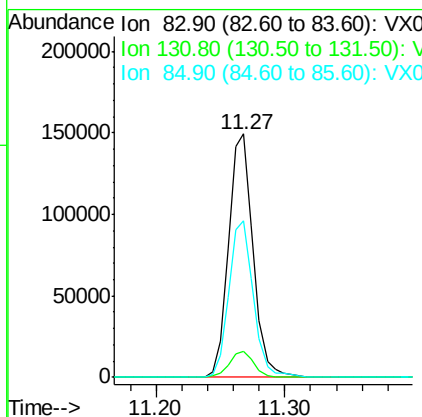
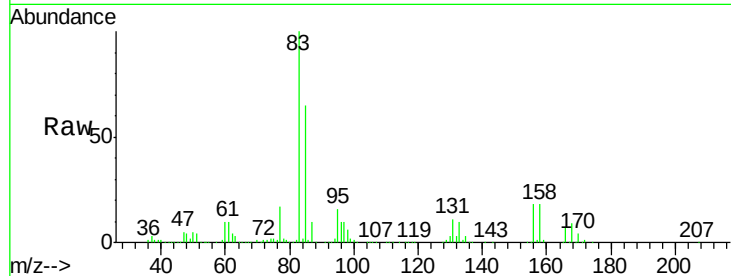
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	199293
Ion Ratio	Lower	Upper	
83	100		
131	10.7	4.7	14.1
85	64.5	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.815 ug/l m

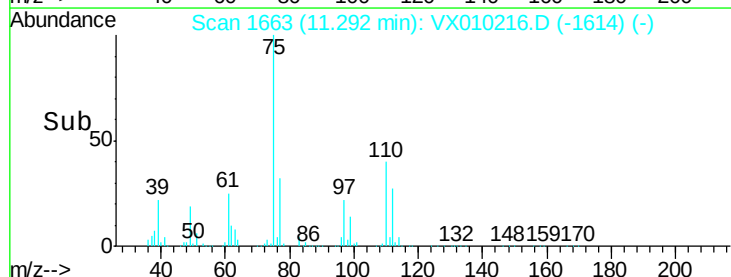
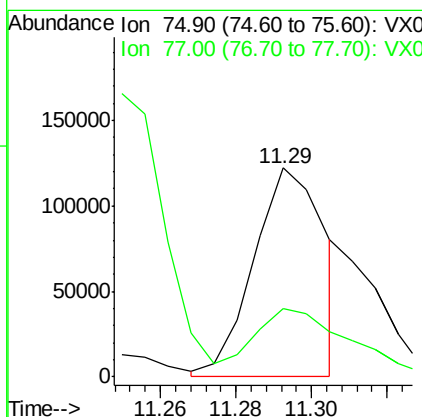
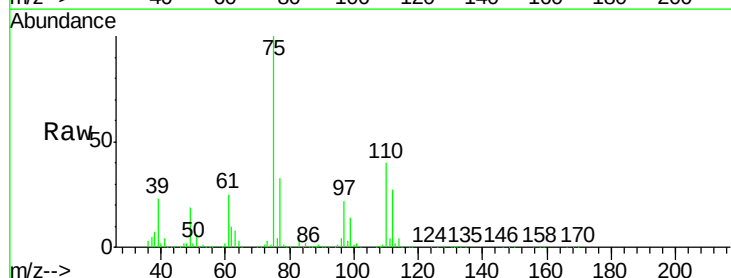
RT: 11.29 min Scan# 1663

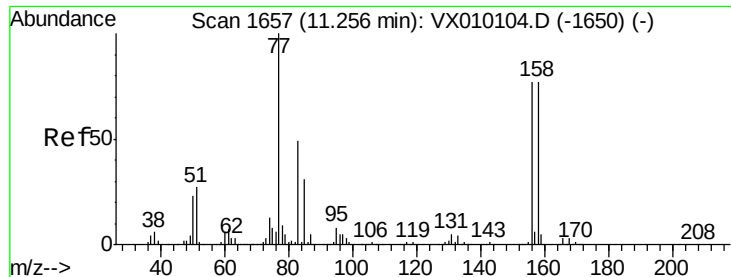
Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Tgt Ion:	75	Resp:	159361
Ion Ratio	Lower	Upper	
75	100		
77	44.3	22.1	66.1





#77

Bromobenzene

Concen: 49.471 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 161618

Ion Ratio Lower Upper

156 100

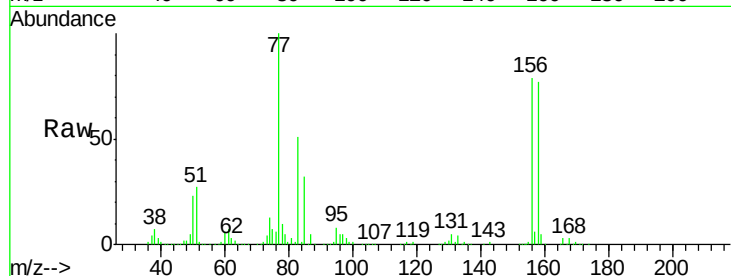
77 132.7 86.8 260.3

158 97.3 49.6 148.8

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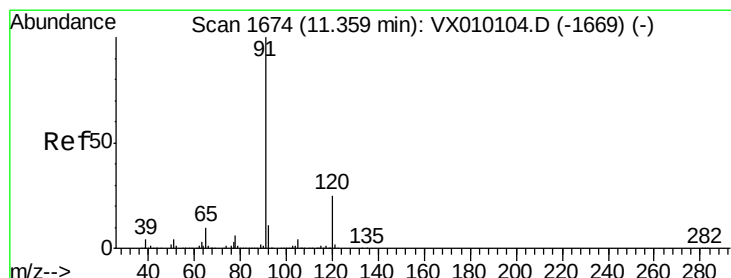
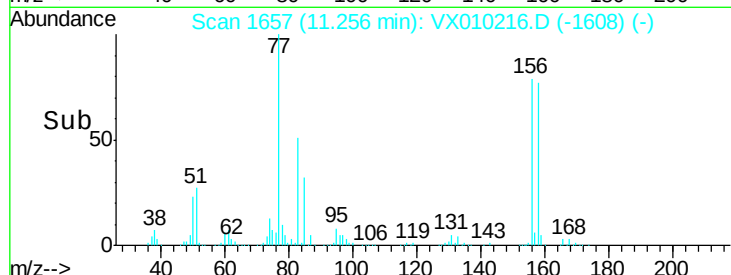
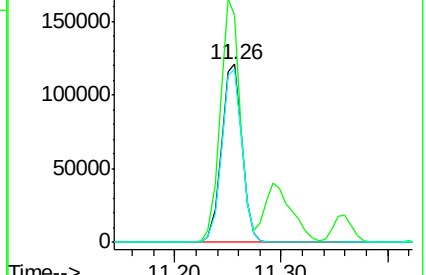
6/11/2019 11:53:41 AM



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: 48.573 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010216.D

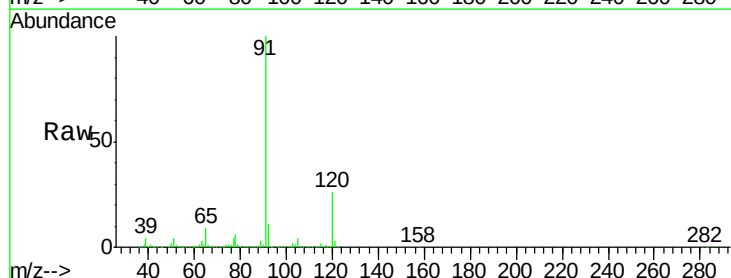
Acq: 11 Jun 2019 07:20

Tgt Ion: 91 Resp: 642424

Ion Ratio Lower Upper

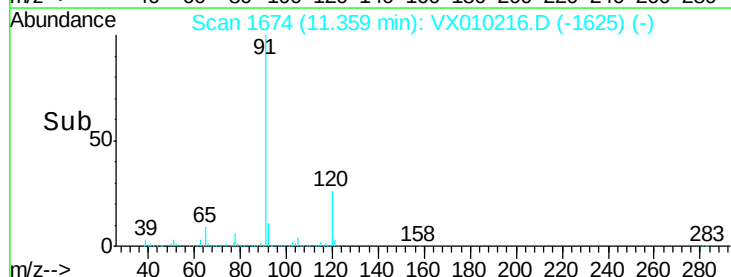
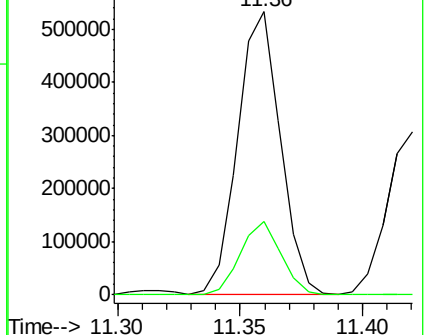
91 100

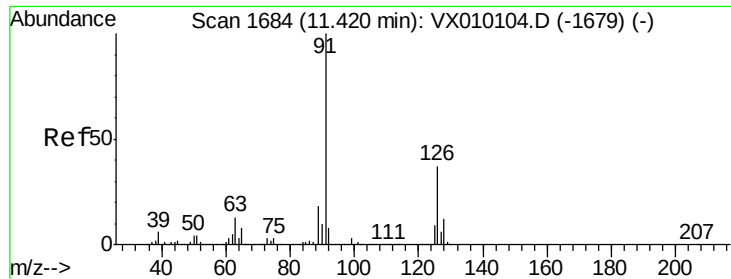
120 25.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.756 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 379347

Ion Ratio Lower Upper

91 100

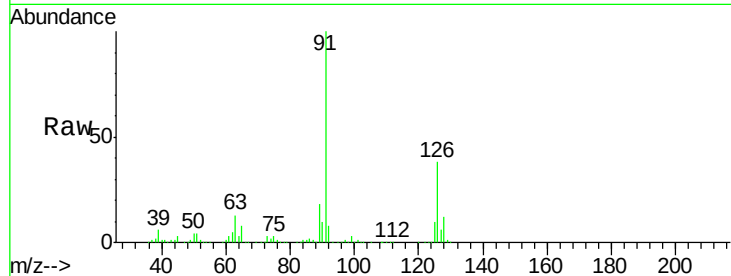
126 37.8 16.1 48.3

Manual Integrations

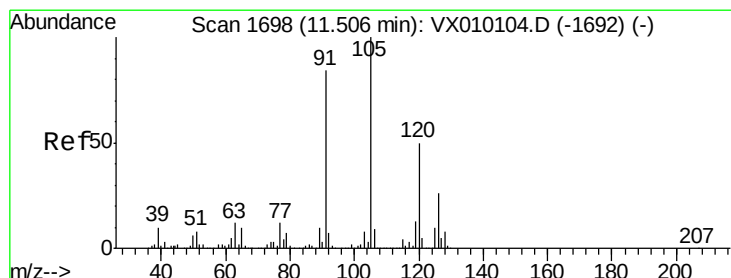
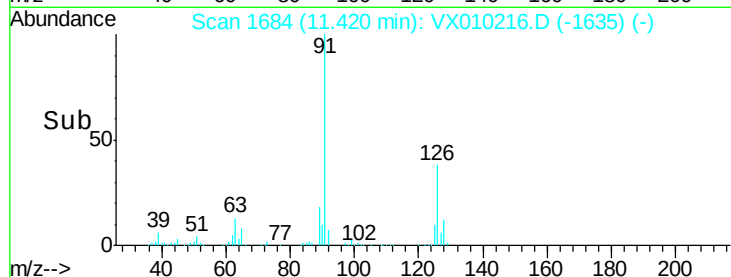
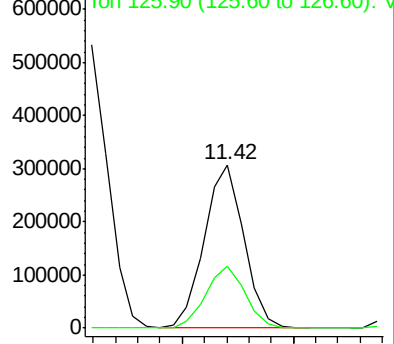
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Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.110 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010216.D

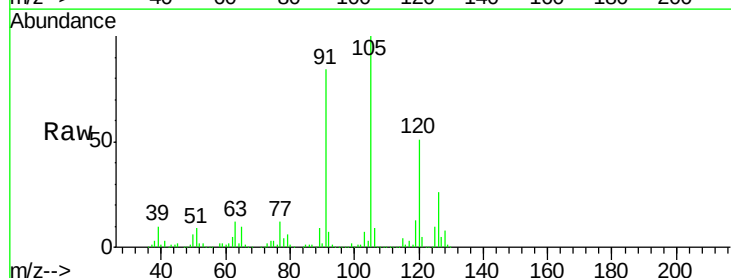
Acq: 11 Jun 2019 07:20

Tgt Ion: 105 Resp: 481399

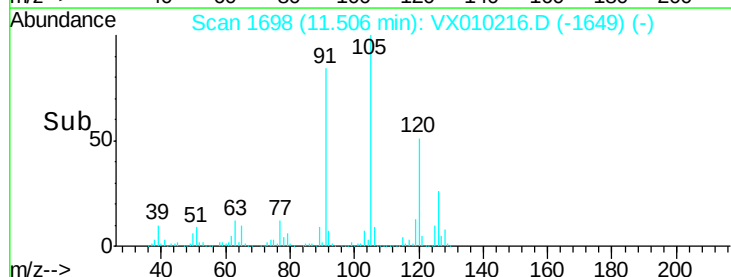
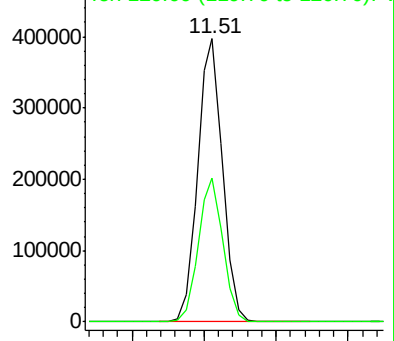
Ion Ratio Lower Upper

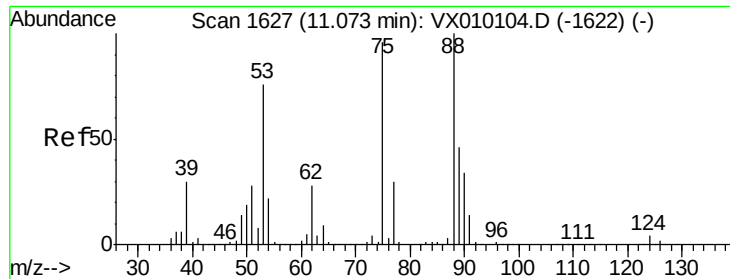
105 100

120 50.4 24.1 72.3



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





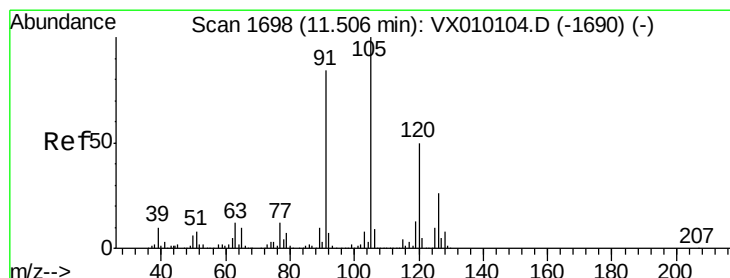
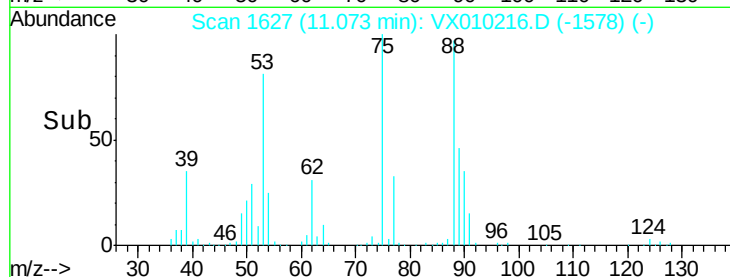
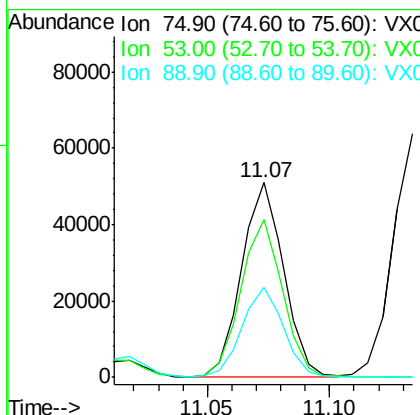
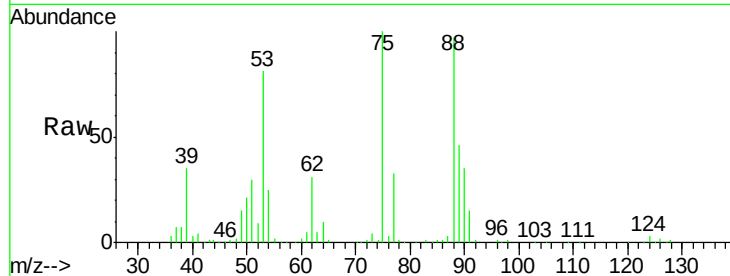
#81
trans-1,4-Dichloro-2-butene
Concen: 39.256 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.8	79.8	119.6
89	46.5	34.2	51.4

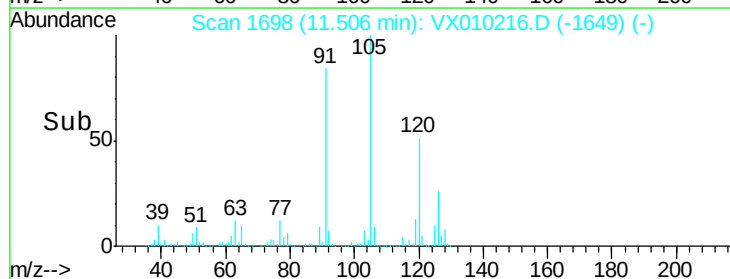
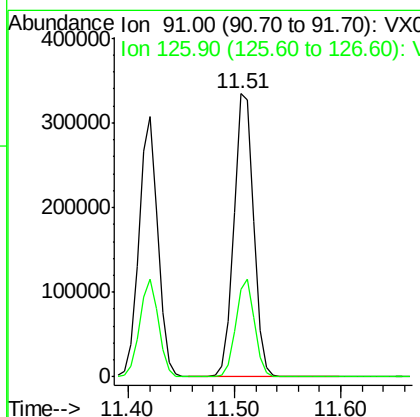
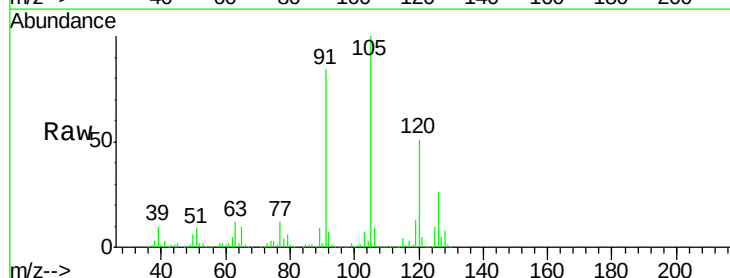
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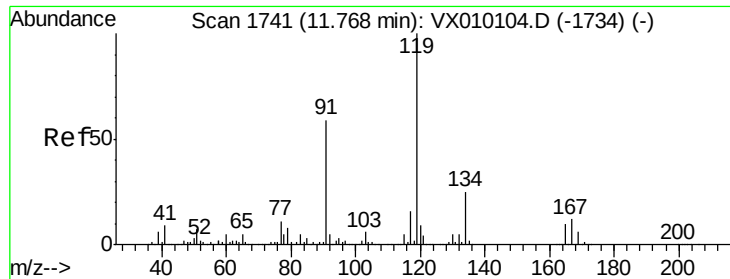
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6/11/2019 11:53:41 AM



#82
4-Chlorotoluene
Concen: 48.267 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	14.2	42.6





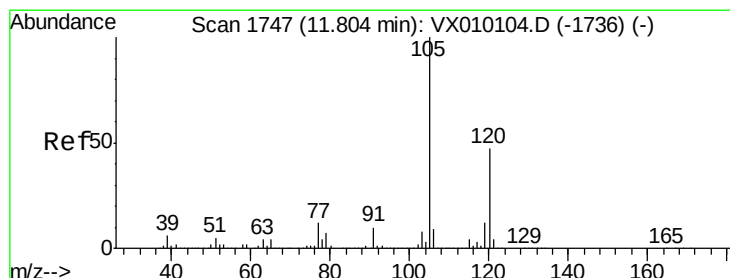
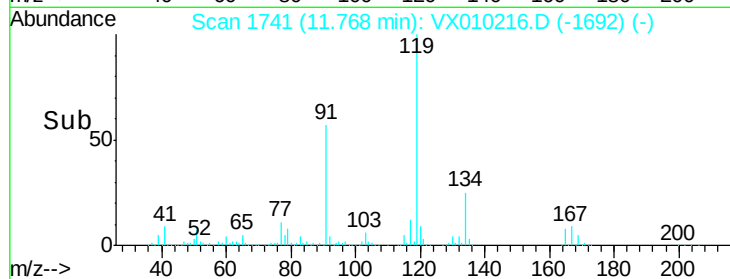
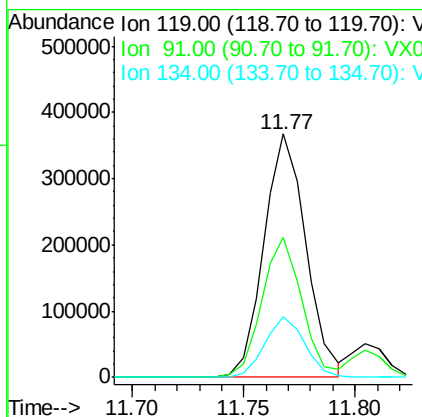
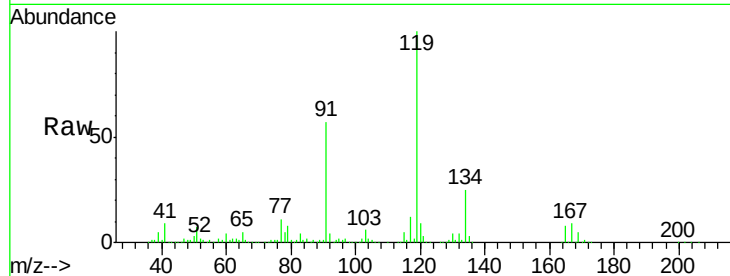
#83
 tert-Butylbenzene
 Concen: 47.402 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.9	30.0	90.0
134	23.5	11.2	33.5

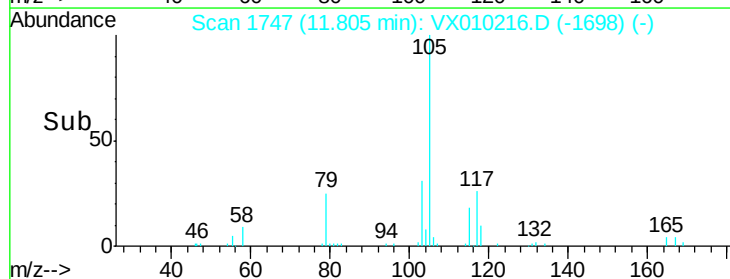
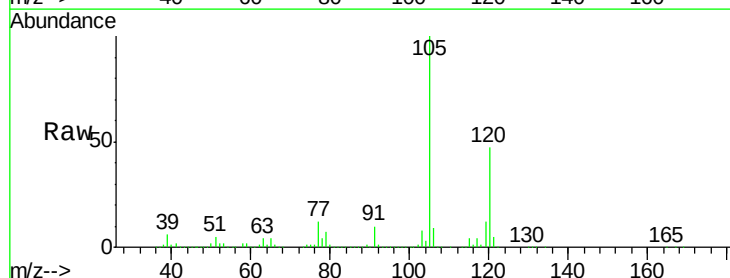
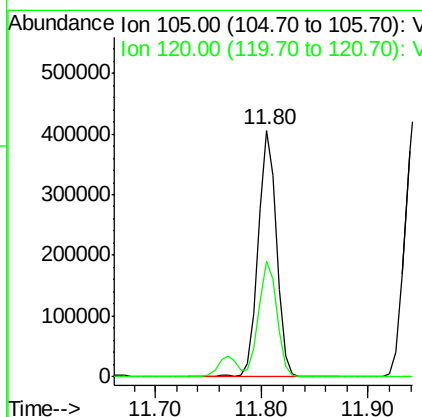
Manual Integrations
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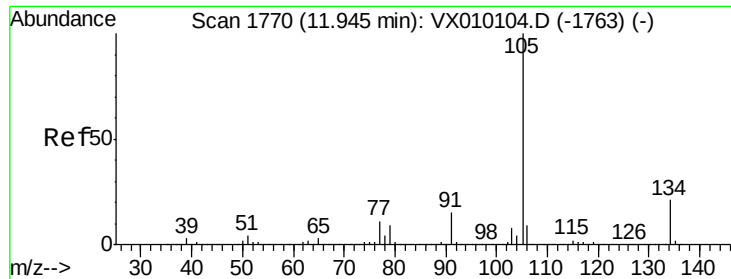
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.328 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1





#85

sec-Butylbenzene

Concen: 48.133 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 567923

Ion Ratio Lower Upper

105 100

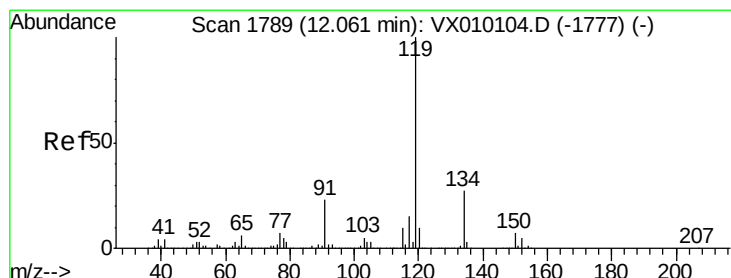
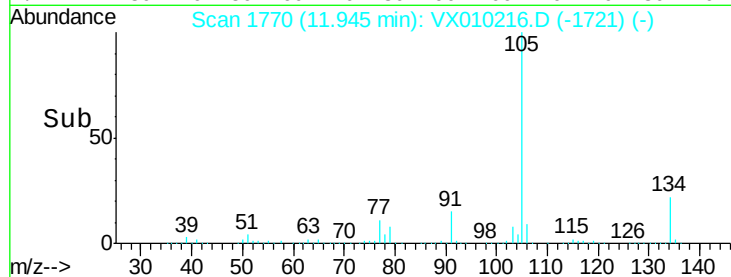
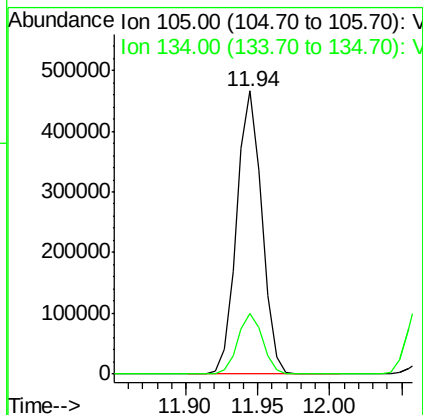
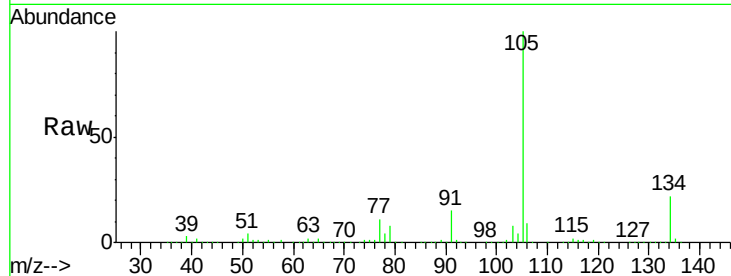
134 21.2 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.319 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

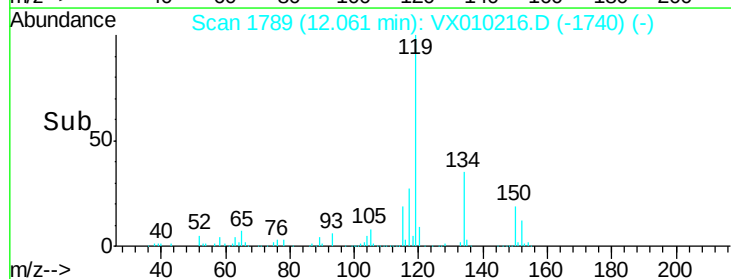
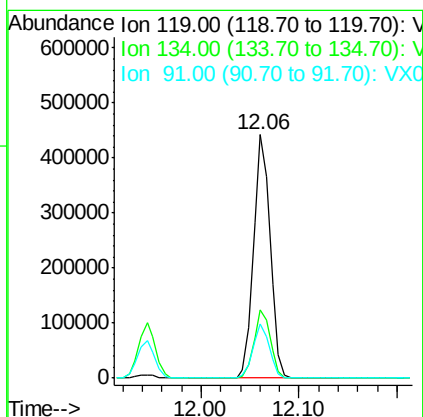
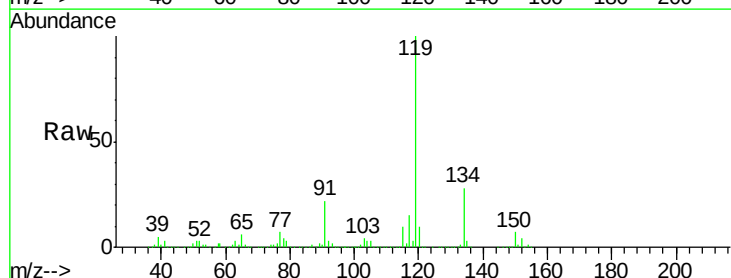
Tgt Ion:119 Resp: 521198

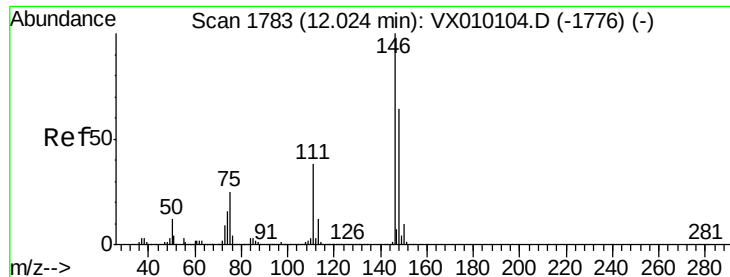
Ion Ratio Lower Upper

119 100

134 27.8 12.9 38.6

91 22.0 11.9 35.9





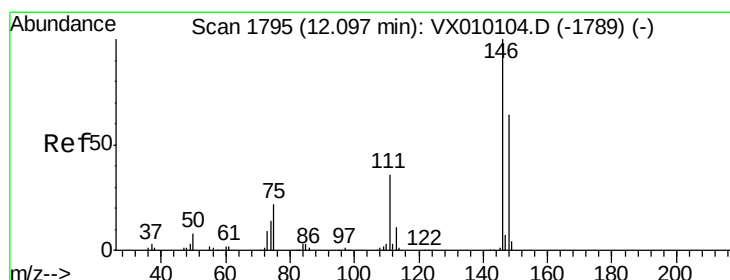
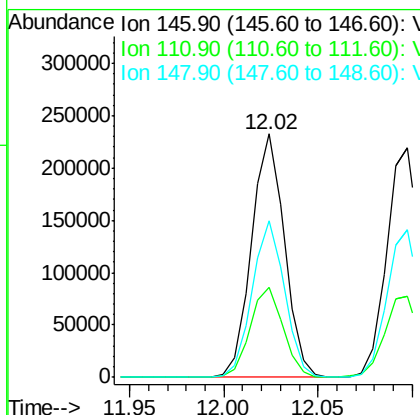
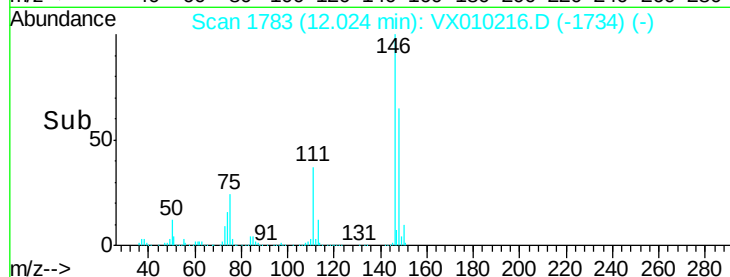
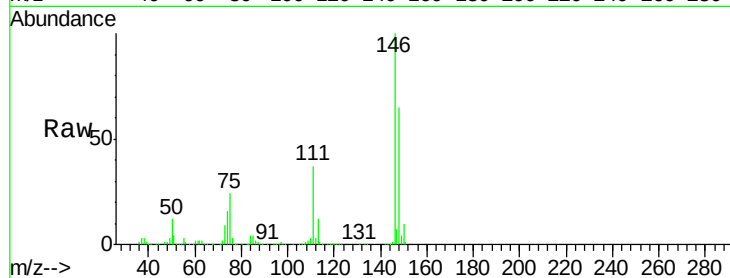
#87
 1,3-Dichlorobenzene
 Concen: 48.933 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.1	60.2
148	63.5	31.9	95.5

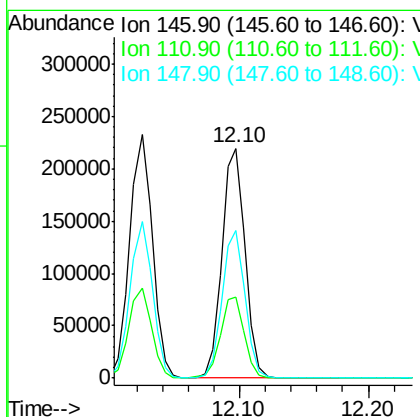
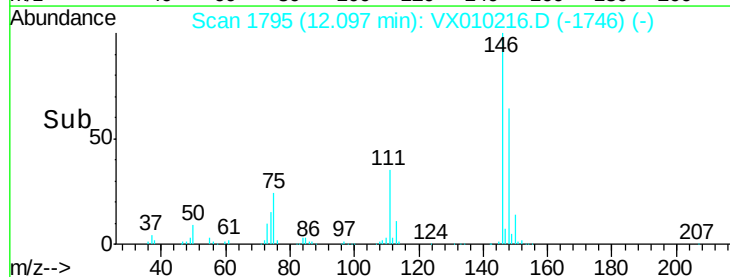
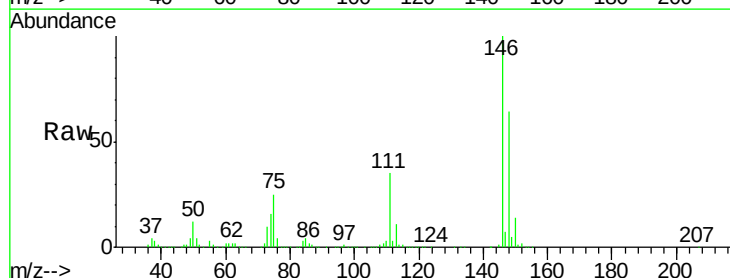
Manual Integrations
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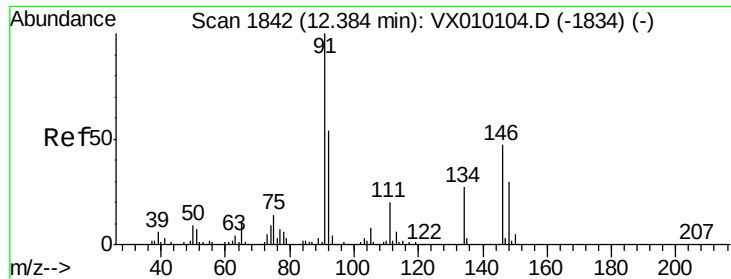
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#88
 1,4-Dichlorobenzene
 Concen: 47.890 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	20.0	59.9
148	63.8	32.3	96.9





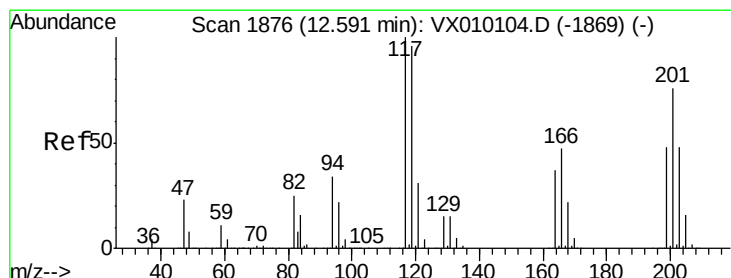
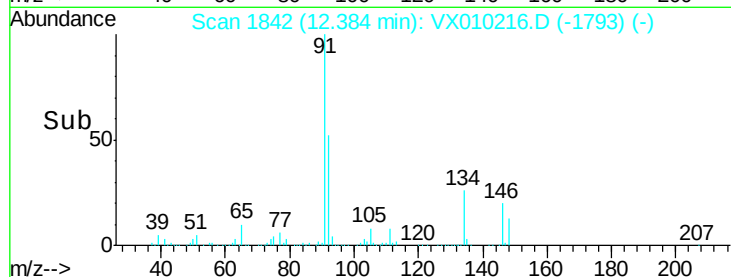
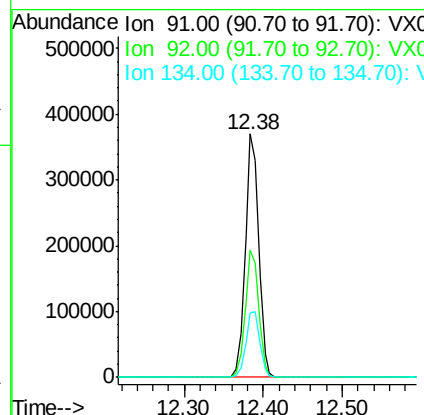
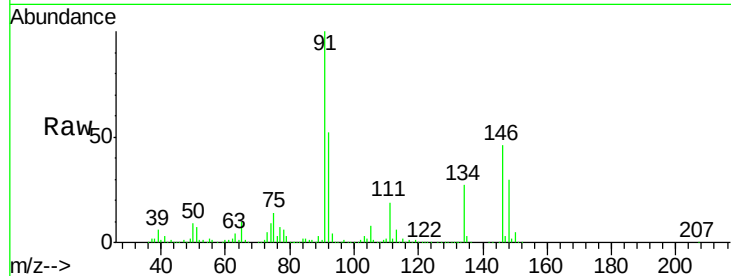
#89
n-Butylbenzene
Concen: 47.100 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.8
134	27.9	12.3	36.8

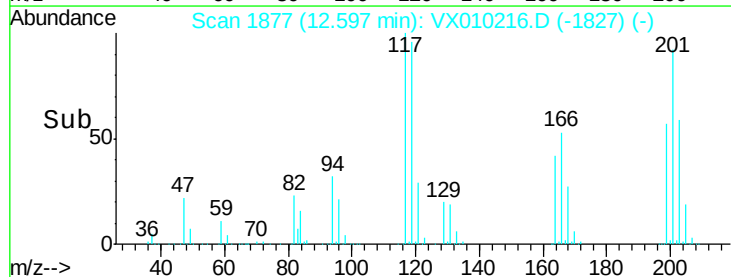
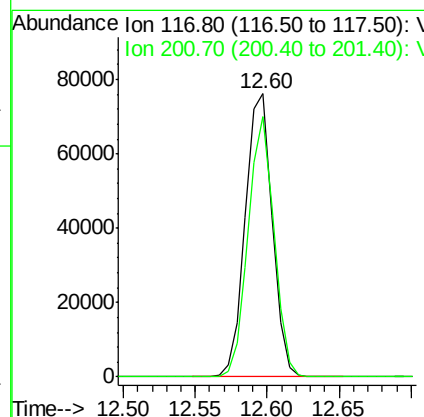
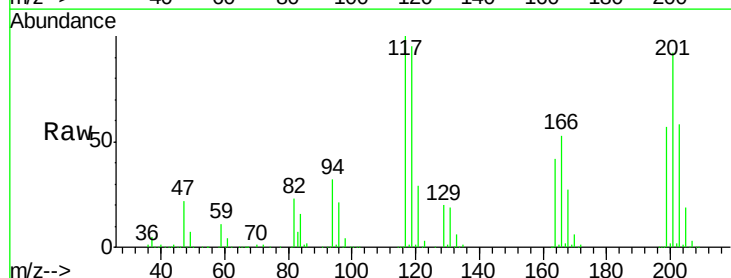
Manual Integrations
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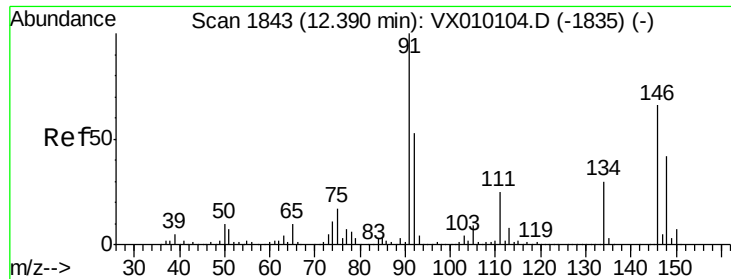
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#90
Hexachloroethane
Concen: 46.023 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.8	43.6	130.9





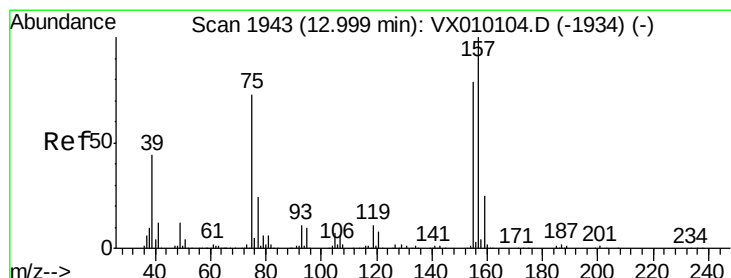
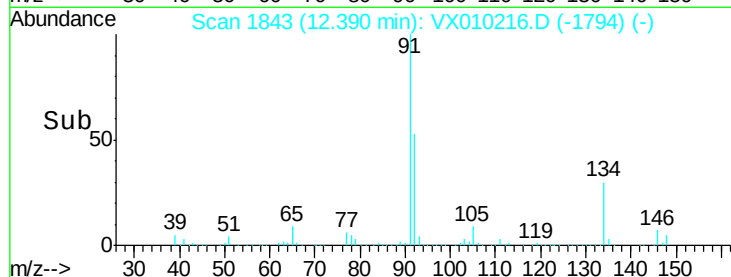
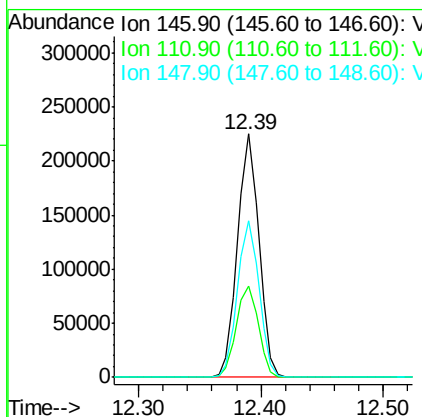
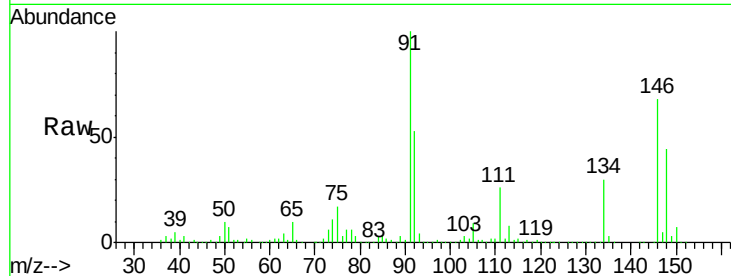
#91
1,2-Dichlorobenzene
Concen: 48.765 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	21.1	63.1
148	64.6	32.3	96.8

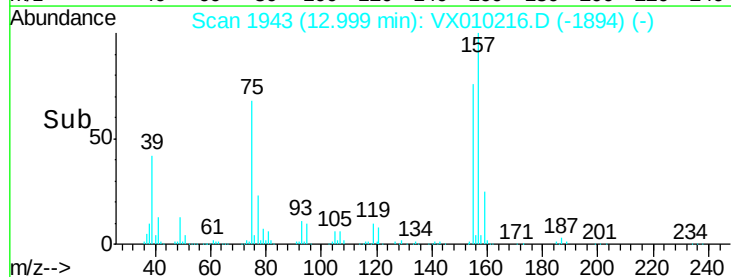
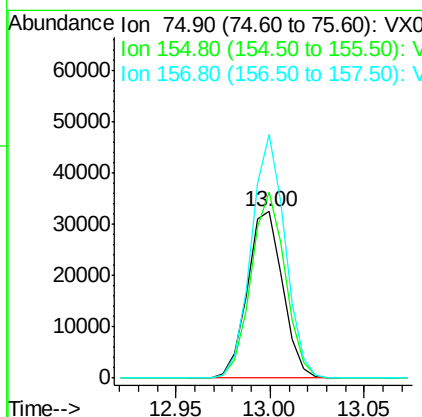
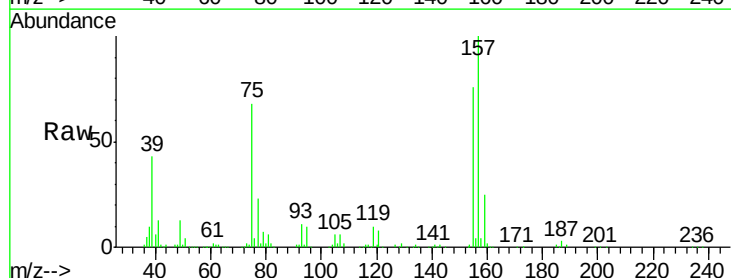
Manual Integrations
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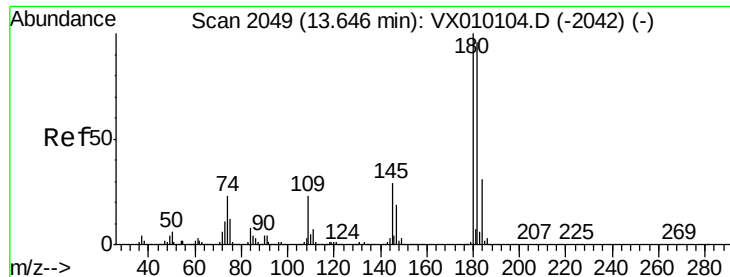
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#92
1,2-Dibromo-3-Chloropropane
Concen: 44.288 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX010216.D
Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.8	39.3	117.8
157	139.3	50.6	151.8





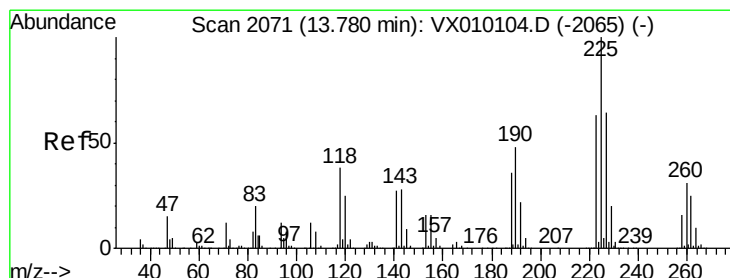
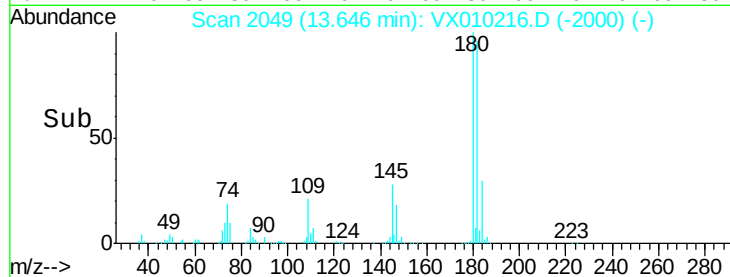
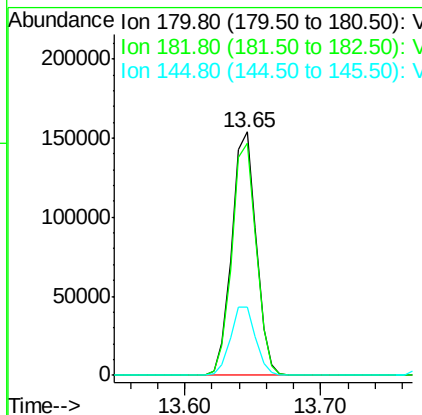
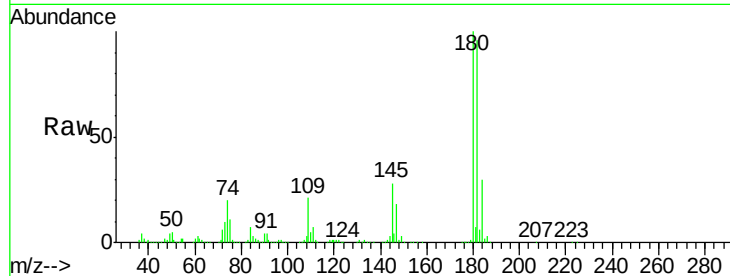
#93
 1,2,4-Trichlorobenzene
 Concen: 46.787 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	191595		
182	95.5	47.4	142.2	
145	29.2	14.5	43.5	

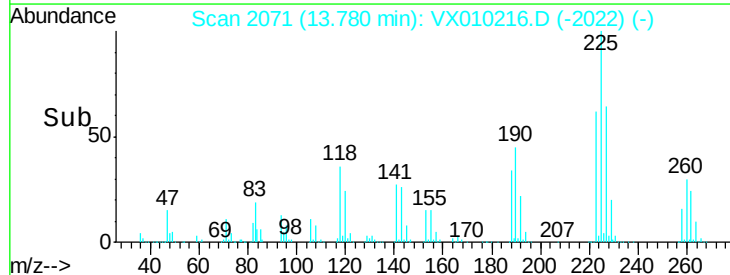
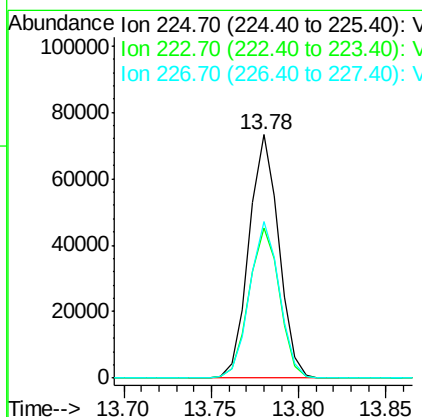
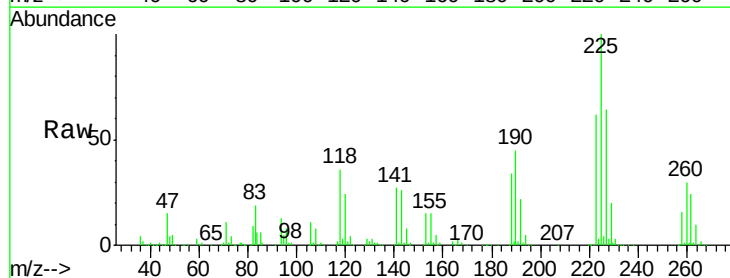
Manual Integrations
 APPROVED

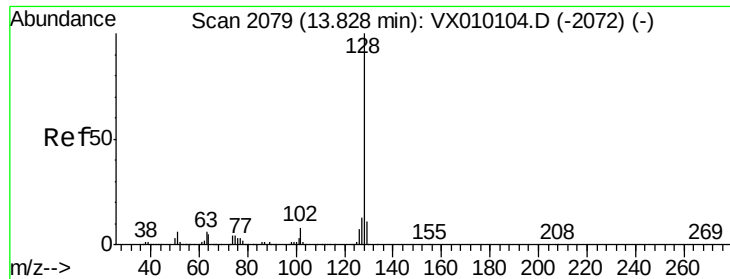
MMDadoda
 6/11/2019 11:53:41 AM



#94
 Hexachlorobutadiene
 Concen: 47.833 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010216.D
 Acq: 11 Jun 2019 07:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87114		
223	62.8	31.3	93.8	
227	64.0	32.3	96.8	





#95

Naphthalene

Concen: 48.583 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Instrument :

MSVOA_X

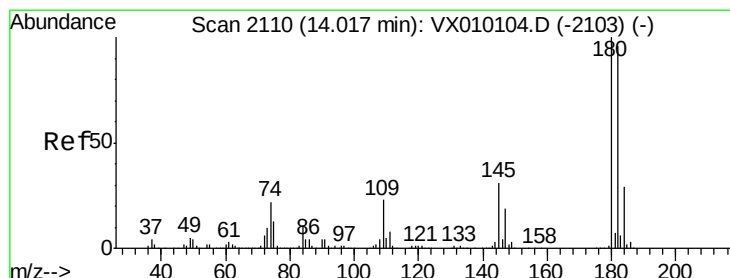
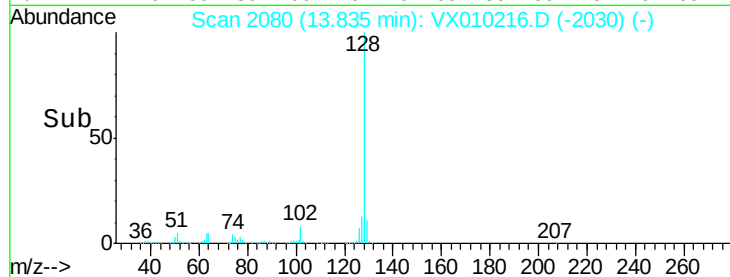
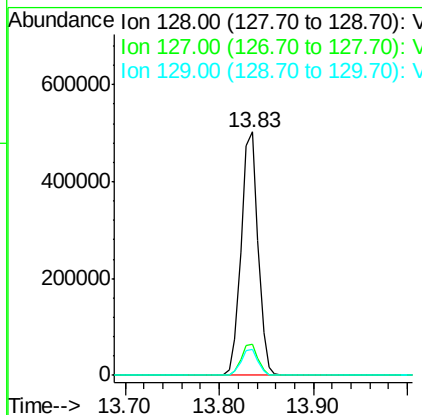
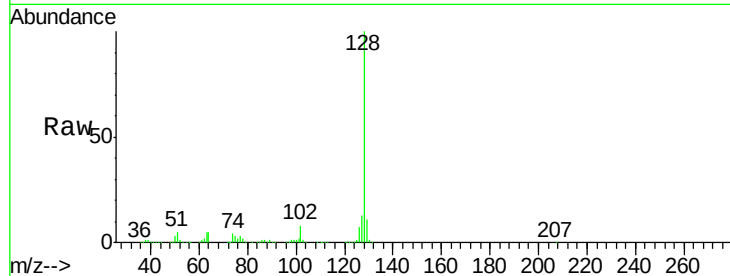
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	626281
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:53:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.009 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010216.D

Acq: 11 Jun 2019 07:20

Tgt Ion:	180	Resp:	194387
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.3	142.0
145	30.3	15.6	46.7

