

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030719\
 Data File : VX007896.D
 Acq On : 07 Mar 2019 20:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:40:58 AM

Quant Time: Mar 08 07:04:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	396454	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	348131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175176	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	139864	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	5.50	113	124782	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	8.71	98	461277	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.13	95	162399	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	111469	48.276	ug/l	99
3) Chloromethane	1.33	50	143118	48.097	ug/l	98
4) Vinyl Chloride	1.41	62	148297	50.158	ug/l	98
5) Bromomethane	1.64	94	71859	51.832	ug/l	99
6) Chloroethane	1.72	64	97640	49.711	ug/l	98
7) Trichlorofluoromethane	1.93	101	192612	50.037	ug/l	97
8) Diethyl Ether	2.19	74	85557	51.327	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	119002	49.886	ug/l	98
10) Methyl Iodide	2.51	142	182341	53.881	ug/l	99
11) Tert butyl alcohol	3.07	59	157175	246.518	ug/l	99
12) 1,1-Dichloroethene	2.37	96	115163	50.084	ug/l	97
13) Acrolein	2.30	56	60741	168.849	ug/l	98
14) Allyl chloride	2.73	41	238793	49.421	ug/l	99
15) Acrylonitrile	3.15	53	392785	244.070	ug/l	100
16) Acetone	2.45	43	326023	197.568	ug/l	99
17) Carbon Disulfide	2.57	76	358678	51.379	ug/l	99
18) Methyl Acetate	2.78	43	181772	51.850	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	406492	51.386	ug/l	99
20) Methylene Chloride	2.86	84	128420	48.898	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	124019	49.017	ug/l	99
22) Diisopropyl ether	3.87	45	444842	50.224	ug/l	99
23) Vinyl Acetate	3.82	43	1960534	252.416	ug/l	99
24) 1,1-Dichloroethane	3.70	63	241221	50.608	ug/l	99
25) 2-Butanone	4.70	43	543762	232.752	ug/l	100
26) 2,2-Dichloropropane	4.59	77	146121	46.272	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	144910	50.052	ug/l	99
28) Bromochloromethane	5.02	49	108787	48.955	ug/l	100
29) Tetrahydrofuran	5.15	42	362960	249.070	ug/l	100
30) Chloroform	5.21	83	230249	51.067	ug/l	99
31) Cyclohexane	5.57	56	221907	50.655	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	194249	51.925	ug/l	99
36) 1,1-Dichloropropene	5.80	75	174512	48.613	ug/l	100
37) Ethyl Acetate	4.85	43	206347	48.438	ug/l	100
38) Carbon Tetrachloride	5.78	117	174658	51.249	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	216368	49.741	ug/l	99
40) Benzene	6.14	78	536777	50.227	ug/l	100
41) Methacrylonitrile	5.06	41	116090	49.984	ug/l	99
42) 1,2-Dichloroethane	6.20	62	173764	49.718	ug/l	100
43) Isopropyl Acetate	6.46	43	320949	50.907	ug/l	100
44) Trichloroethene	7.21	130	145942	49.553	ug/l	100
45) 1,2-Dichloropropane	7.51	63	143605	50.876	ug/l	99
46) Dibromomethane	7.66	93	89484	50.094	ug/l	99
47) Bromodichloromethane	7.90	83	175318	51.765	ug/l	99
48) Methyl methacrylate	7.77	41	167522	50.539	ug/l	99
49) 1,4-Dioxane	7.75	88	66648	978.794	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1016496	250.705	ug/l	99
52) Toluene	8.79	92	327519	50.197	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	188056	53.199	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	211405	52.960	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	135361	51.248	ug/l	99
56) Ethyl methacrylate	9.18	69	208714	52.629	ug/l	99
57) 1,3-Dichloropropane	9.37	76	225257	50.792	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	519586	253.285	ug/l	100
59) 2-Hexanone	9.49	43	761929	242.046	ug/l	99
60) Dibromochloromethane	9.59	129	146151	52.939	ug/l	99
61) 1,2-Dibromoethane	9.67	107	142820	50.929	ug/l	99
64) Tetrachloroethene	9.34	164	136607	47.352	ug/l	99
65) Chlorobenzene	10.14	112	360479	49.483	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	134413	51.481	ug/l	99
67) Ethyl Benzene	10.25	91	609942	50.864	ug/l	100
68) m/p-Xylenes	10.36	106	471615	102.032	ug/l	100
69) o-Xylene	10.69	106	228691	51.248	ug/l	99
70) Styrene	10.71	104	380835	52.153	ug/l	100
71) Bromoform	10.86	173	116807	52.095	ug/l #	100
73) Isopropylbenzene	11.02	105	606299	51.176	ug/l	100
74) N-amyl acetate	10.90	43	276051	51.039	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	198955	48.684	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	190327m	51.777	ug/l	
77) Bromobenzene	11.26	156	160495	49.411	ug/l	100
78) n-propylbenzene	11.36	91	685178	52.131	ug/l	99
79) 2-Chlorotoluene	11.42	91	404802	50.373	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	502762	51.560	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	58720	51.061	ug/l	100
82) 4-Chlorotoluene	11.51	91	463510	50.330	ug/l	100
83) tert-Butylbenzene	11.77	119	504597	51.373	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	516497	51.670	ug/l	100
85) sec-Butylbenzene	11.94	105	603043	52.130	ug/l	100
86) p-Isopropyltoluene	12.06	119	541151	52.234	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	286247	49.813	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	285238	48.470	ug/l	99
89) n-Butylbenzene	12.38	91	456058	51.959	ug/l	100
90) Hexachloroethane	12.60	117	91449	52.794	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	282074	49.412	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42216	49.429	ug/l	98

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VSTDCCC050EC

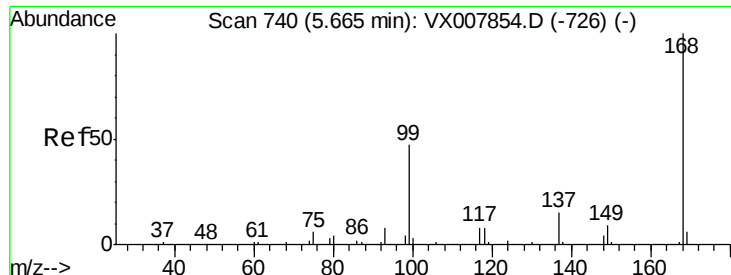
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	203088	50.641	ug/l	99
94) Hexachlorobutadiene	13.78	225	107058	51.061	ug/l	99
95) Naphthalene	13.83	128	608097	52.626	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	202010	50.566	ug/l	99

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



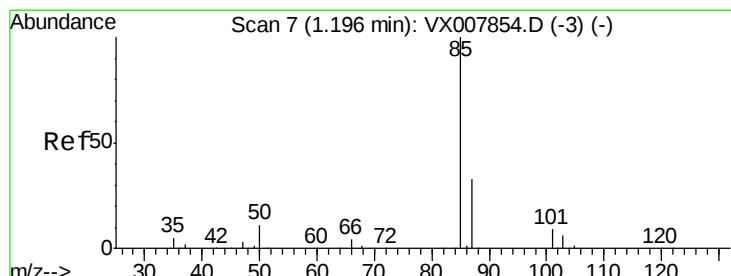
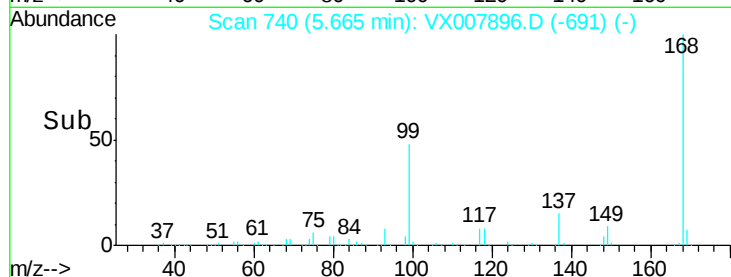
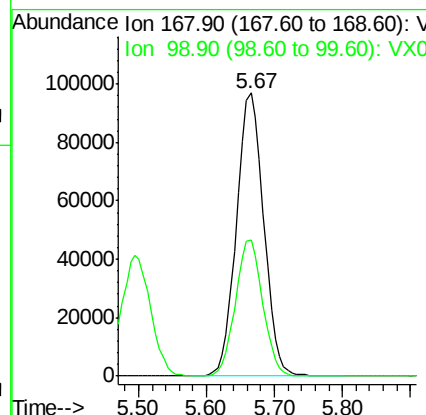
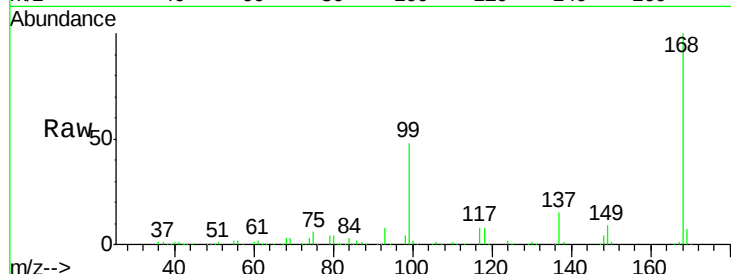
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.8	37.6	56.4

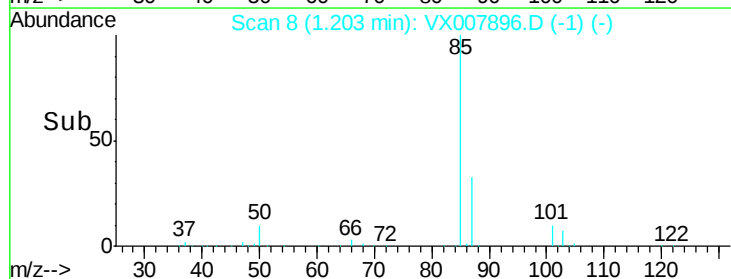
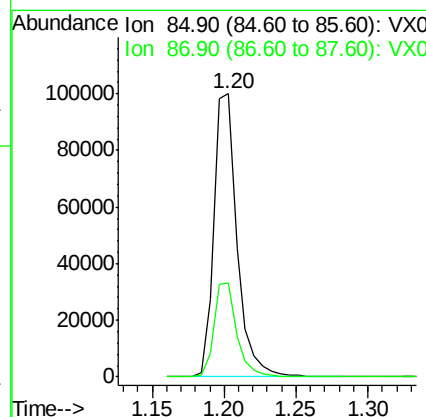
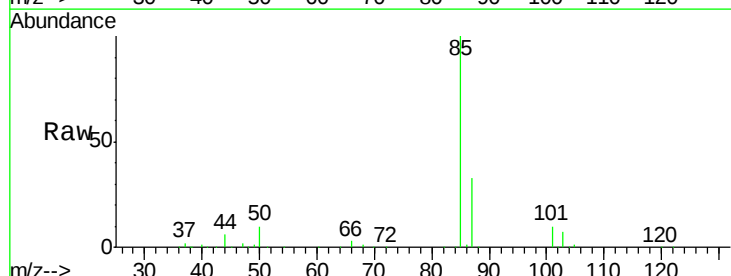
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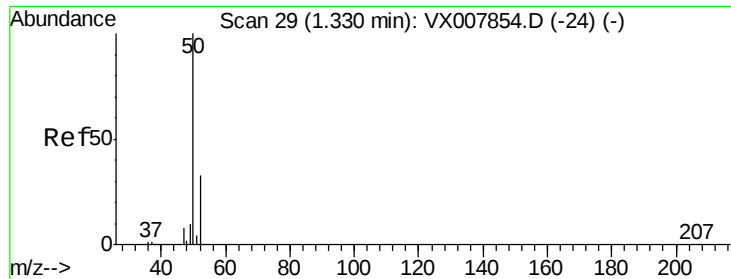
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#2
Dichlorodifluoromethane
Concen: 48.276 ug/l
RT: 1.20 min Scan# 8
Delta R.T. 0.01 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.4	49.1





#3

Chloromethane

Concen: 48.097 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 143118

Ion Ratio Lower Upper

50 100

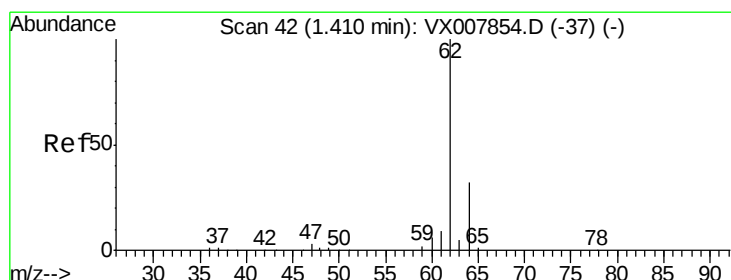
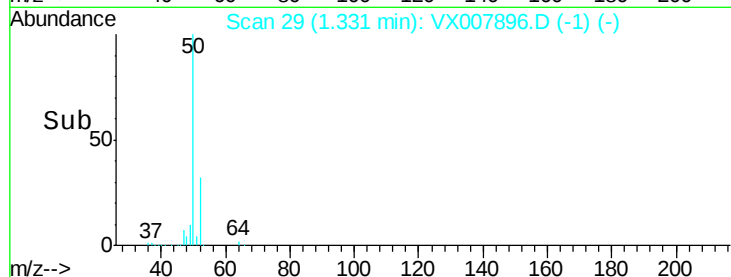
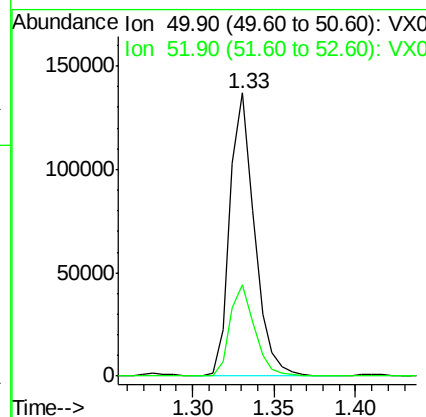
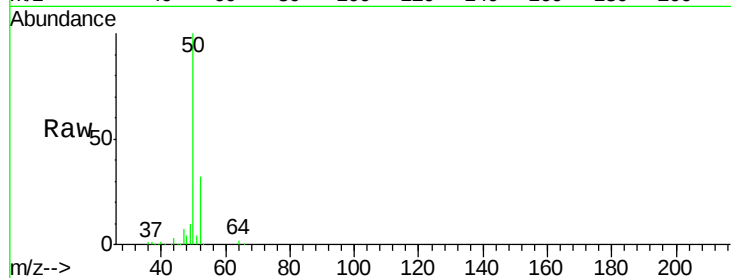
52 32.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.158 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007896.D

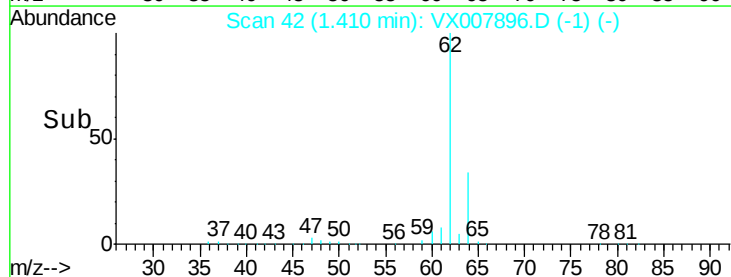
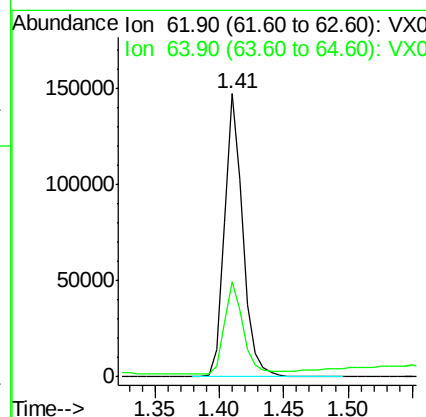
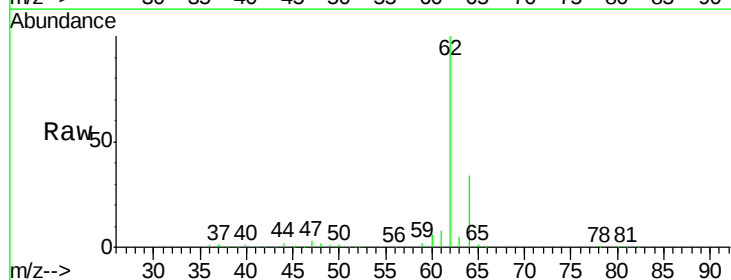
Acq: 07 Mar 2019 20:44

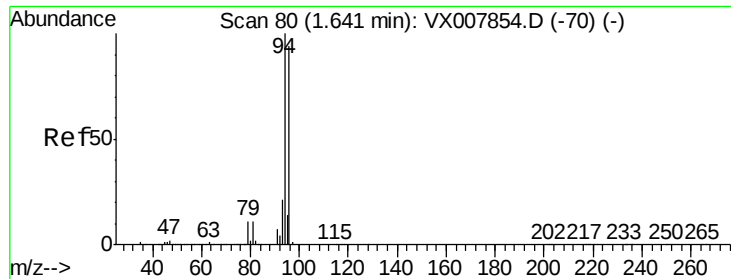
Tgt Ion: 62 Resp: 148297

Ion Ratio Lower Upper

62 100

64 32.6 25.3 37.9





#5

Bromomethane

Concen: 51.832 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 71859

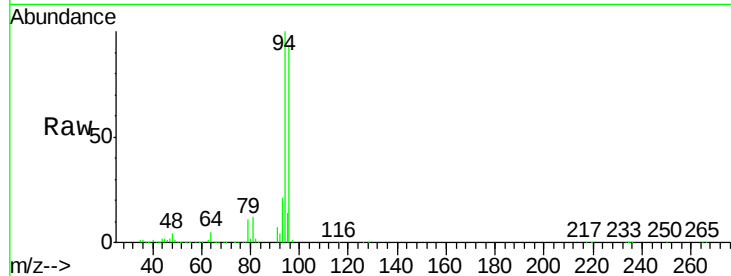
Ion Ratio Lower Upper

94 100

96 93.1 75.5 113.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

80000

60000

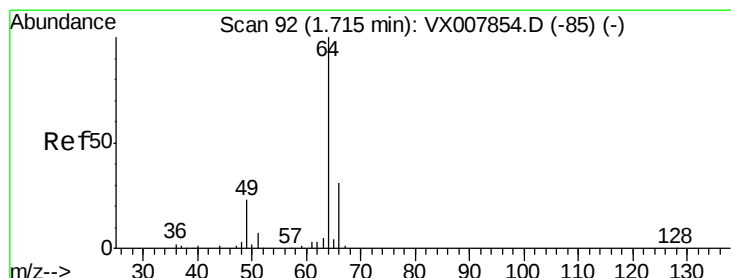
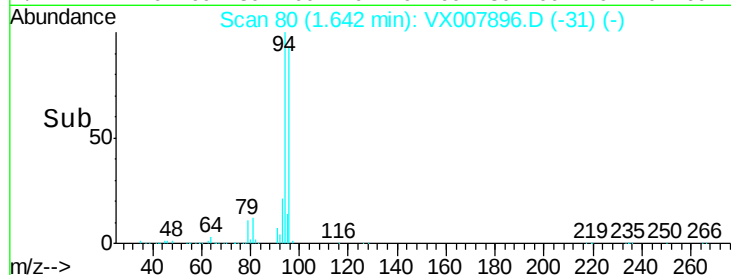
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 49.711 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007896.D

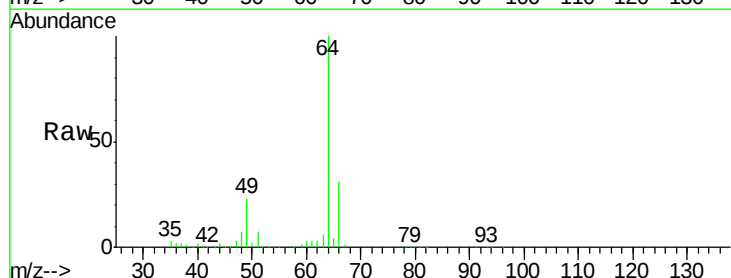
Acq: 07 Mar 2019 20:44

Tgt Ion: 64 Resp: 97640

Ion Ratio Lower Upper

64 100

66 32.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

60000

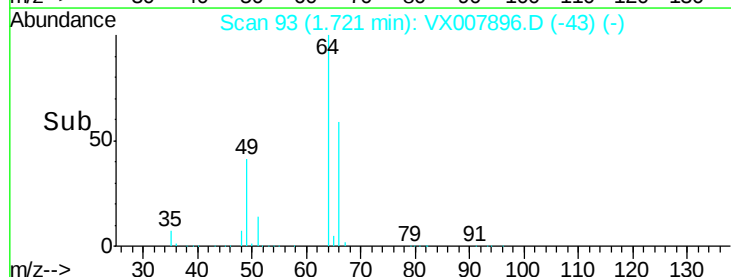
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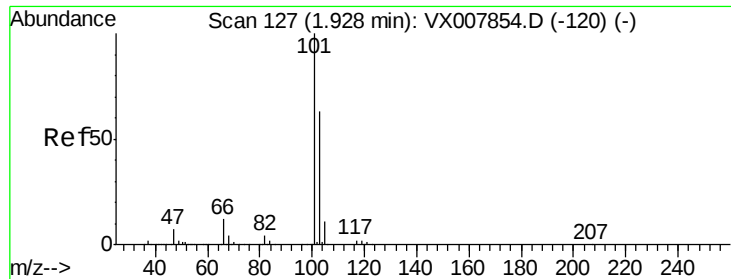
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1.70 1.80

Time-->





#7

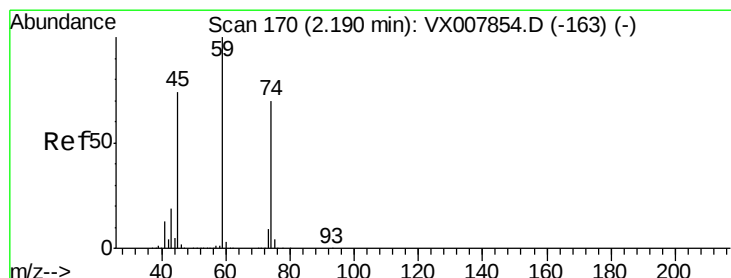
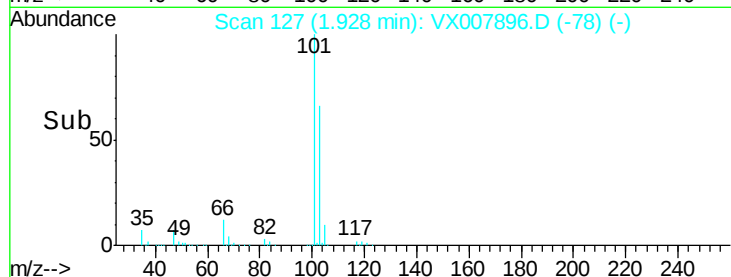
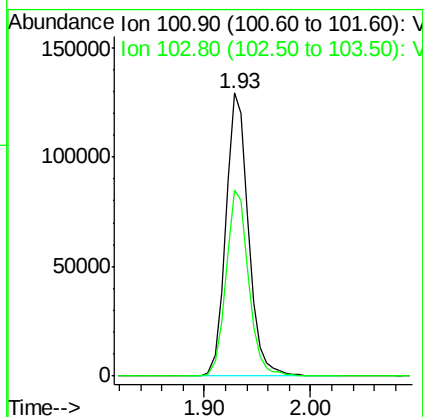
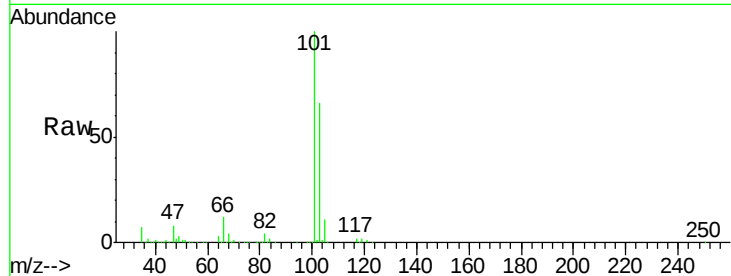
Trichlorofluoromethane
Concen: 50.037 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	192612		
103	65.6	50.4	75.6	

Manual Integrations
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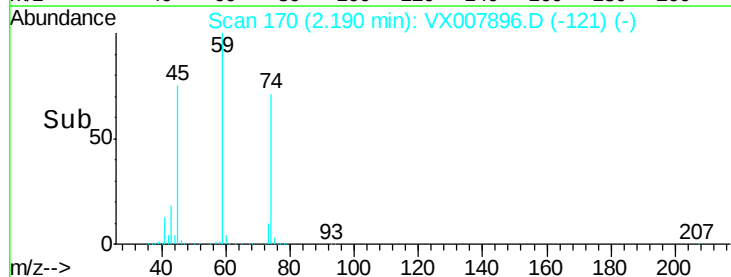
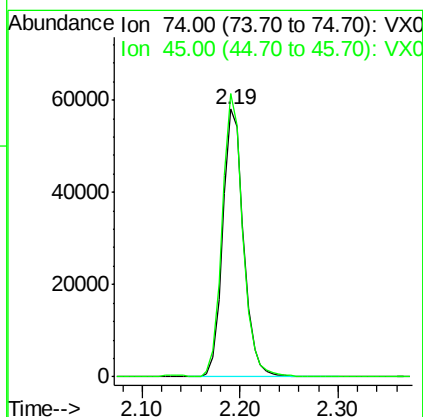
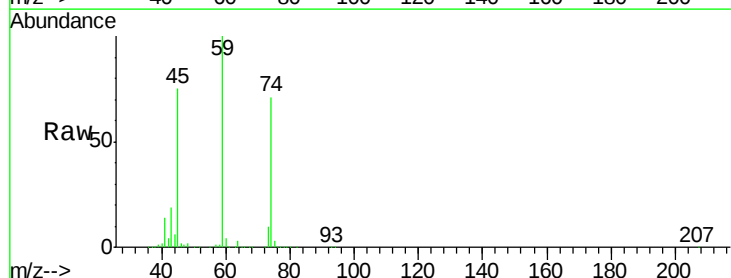
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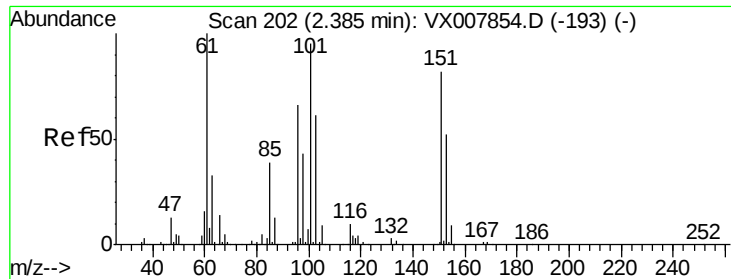


#8

Diethyl Ether
Concen: 51.327 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	85557		
45	103.7	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.886 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

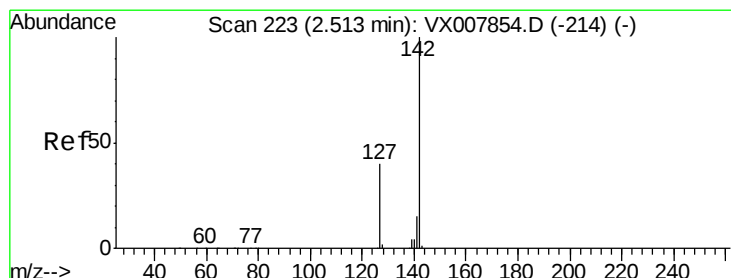
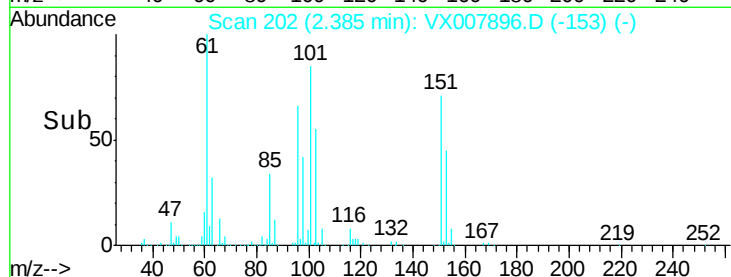
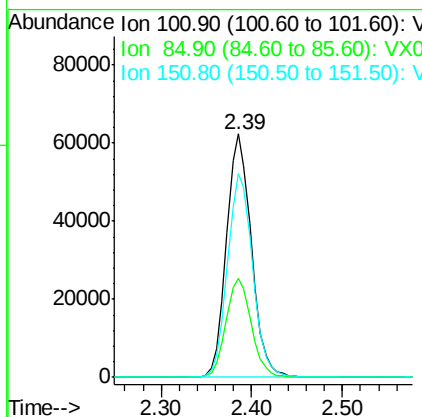
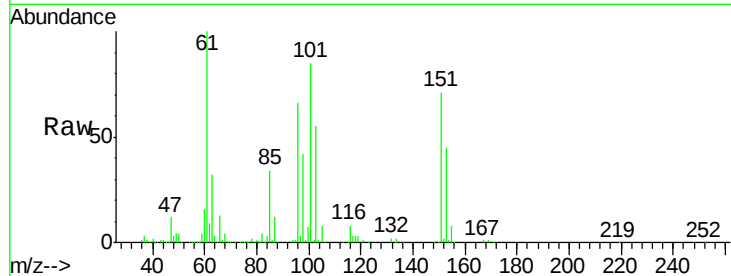
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	119002
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.8	50.6
151	84.7	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 53.881 ug/l

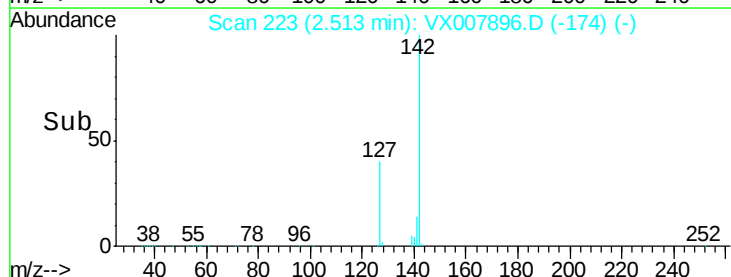
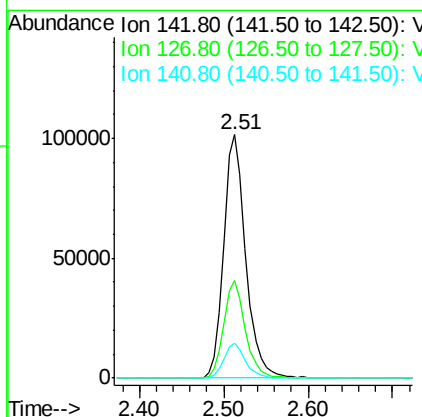
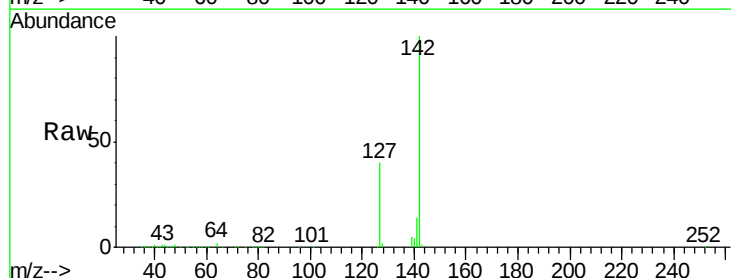
RT: 2.51 min Scan# 223

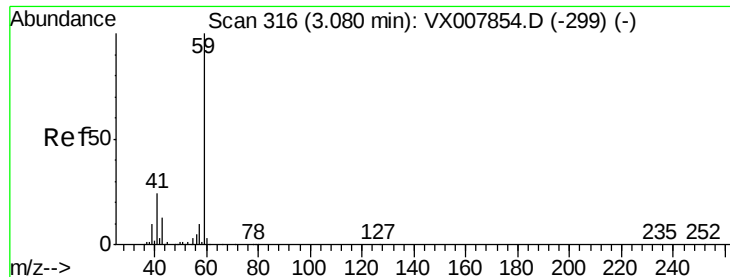
Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Tgt Ion:	142	Resp:	182341
Ion Ratio	Lower	Upper	
142	100		
127	39.5	32.1	48.1
141	14.1	11.4	17.2





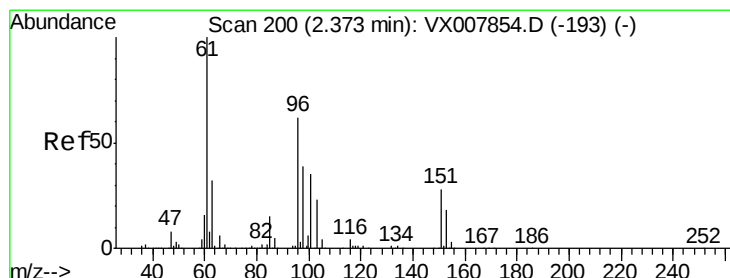
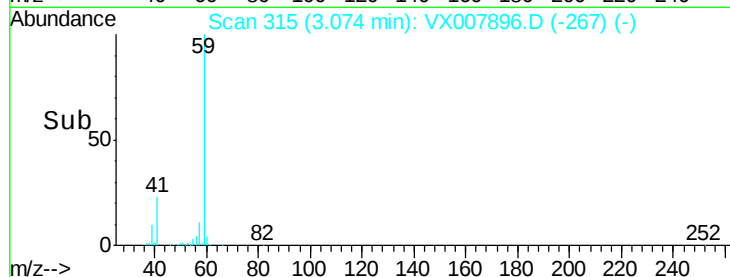
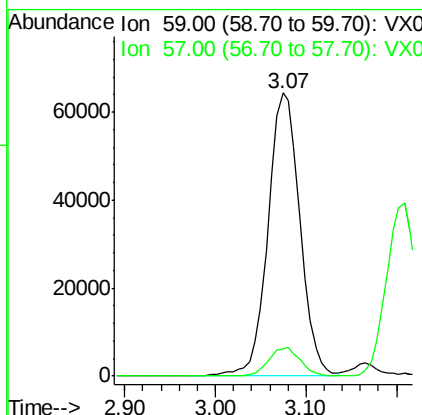
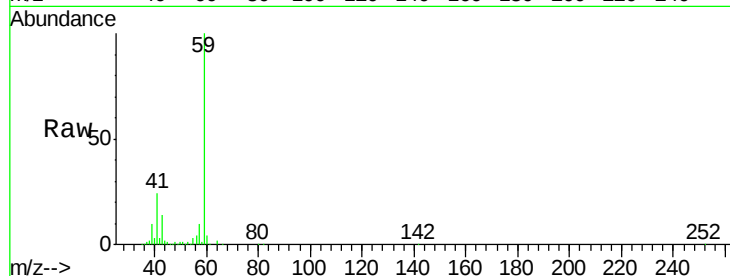
#11
Tert butyl alcohol
Concen: 246.518 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	157175
Ion Ratio	100	Lower	Upper
59	100	8.2	12.2
57	10.0		

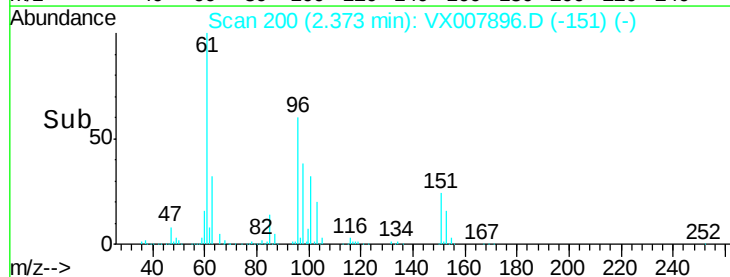
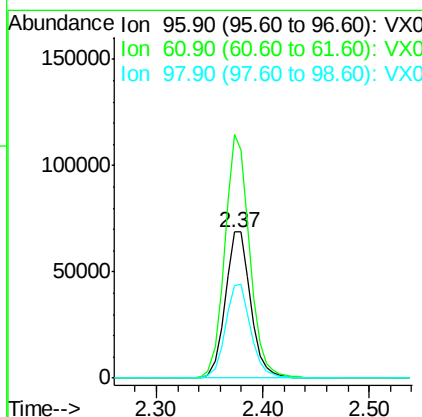
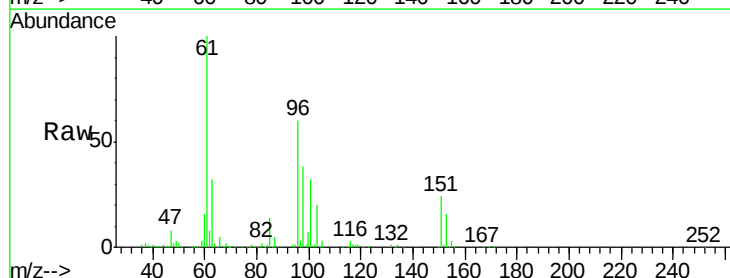
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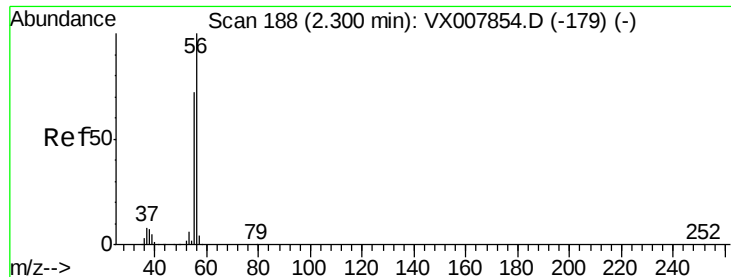
MMDadoda
3/8/2019 9:40:58 AM



#12
1,1-Dichloroethene
Concen: 50.084 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	96	Resp	115163
Ion Ratio	100	Lower	Upper
96	100	129.8	194.6
61	166.8	51.0	76.6
98	63.6		





#13

Acrolein

Concen: 168.849 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 60741

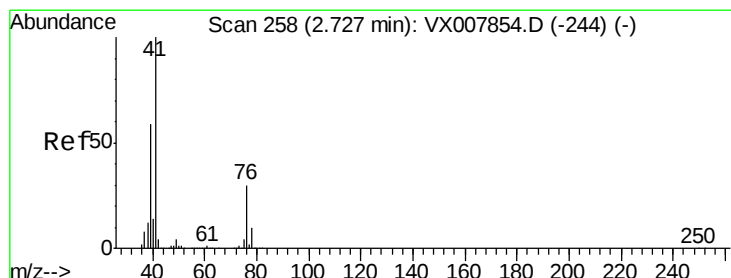
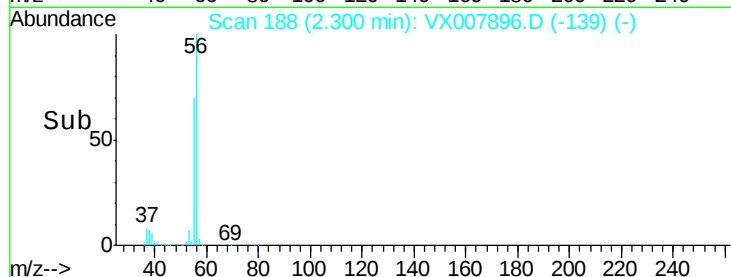
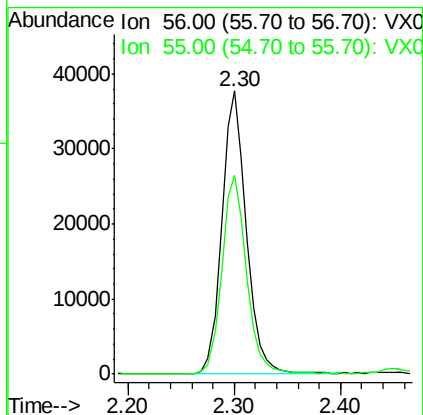
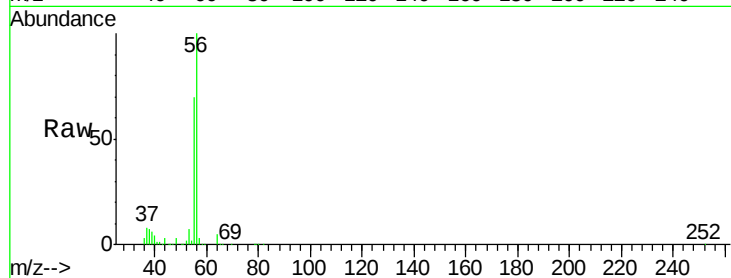
Ion Ratio Lower Upper

56 100

55 70.2 57.8 86.6

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#14

Allyl chloride

Concen: 49.421 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

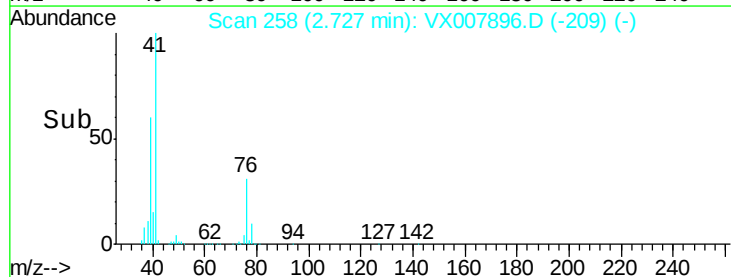
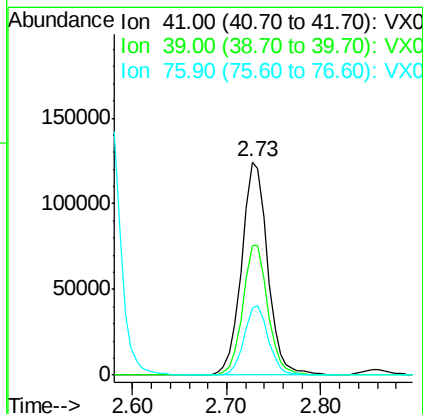
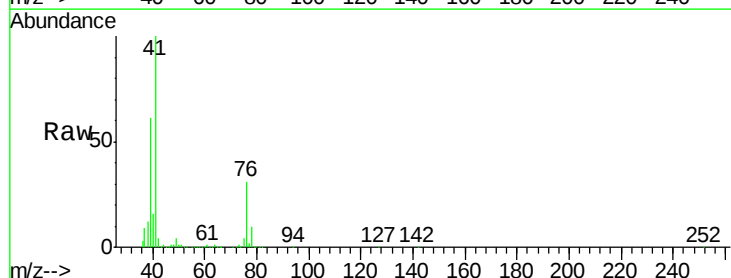
Tgt Ion: 41 Resp: 238793

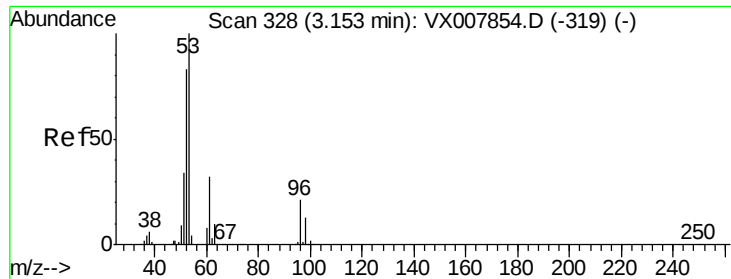
Ion Ratio Lower Upper

41 100

39 58.5 46.1 69.1

76 30.4 24.0 36.0





#15

Acrylonitrile

Concen: 244.070 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

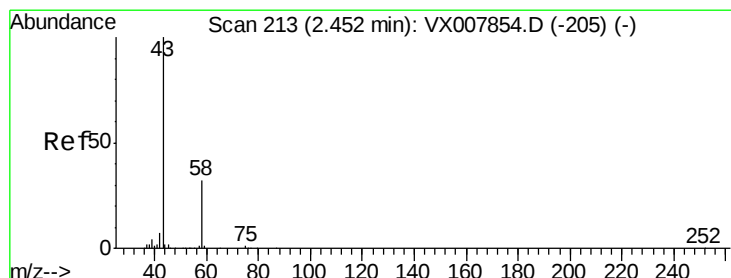
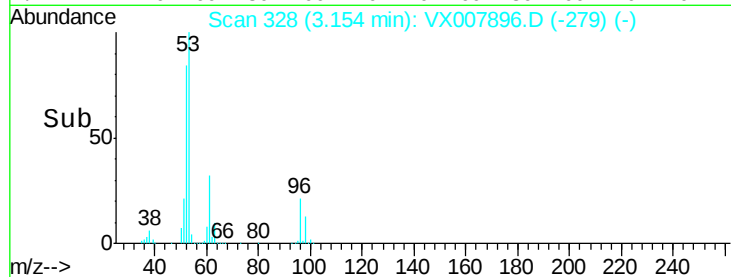
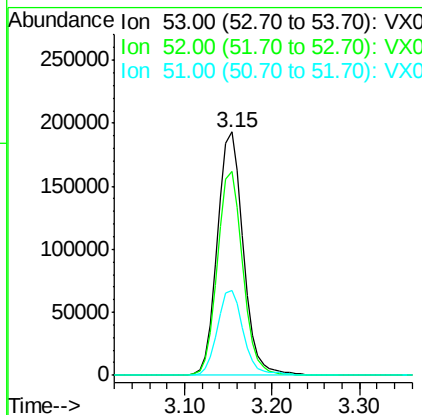
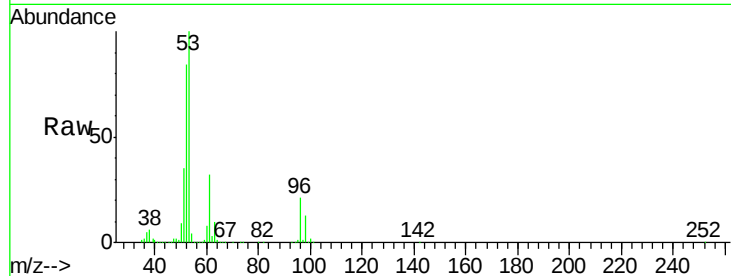
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	392785
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.0	99.0
51	35.2	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 197.568 ug/l

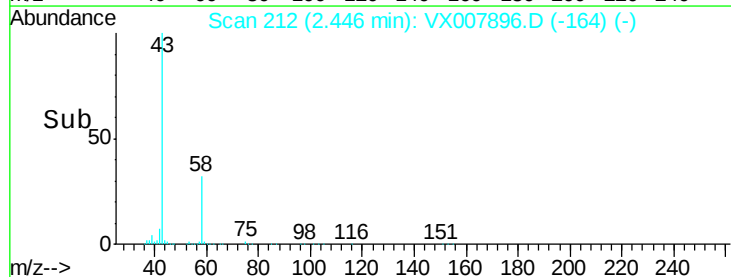
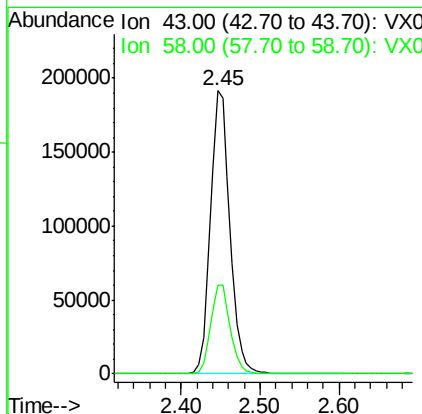
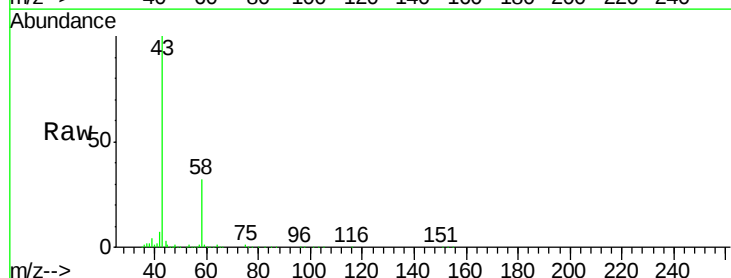
RT: 2.45 min Scan# 212

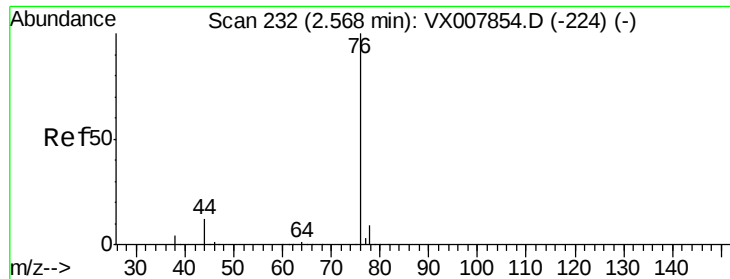
Delta R.T. -0.01 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Tgt Ion:	43	Resp:	326023
Ion Ratio	Lower	Upper	
43	100		
58	31.6	25.5	38.3





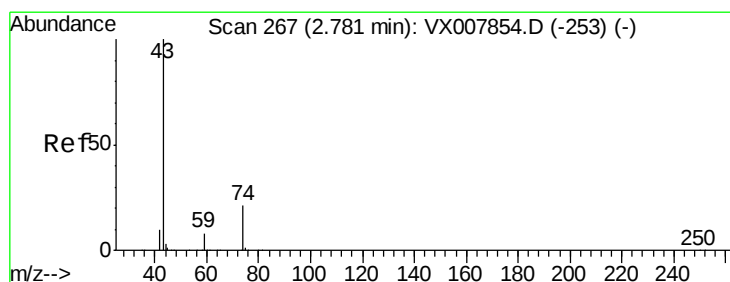
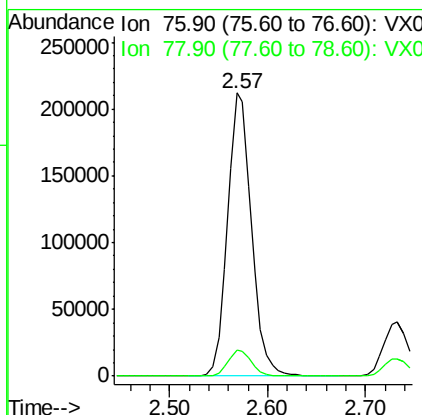
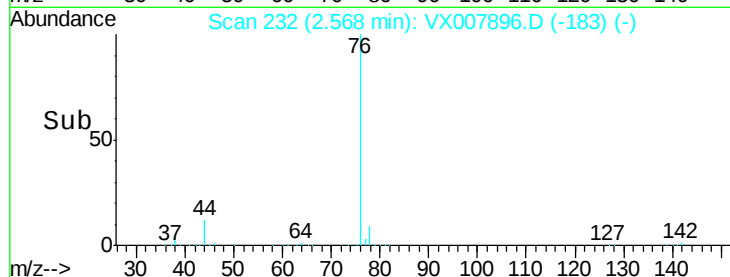
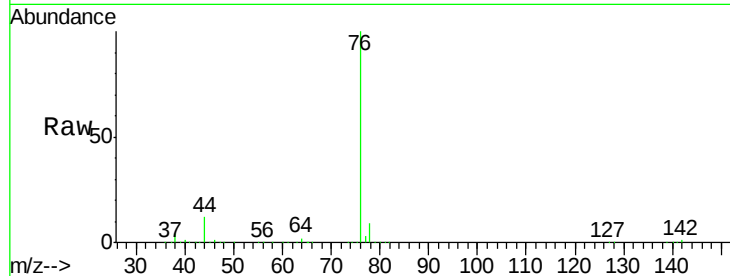
#17
Carbon Disulfide
Concen: 51.379 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

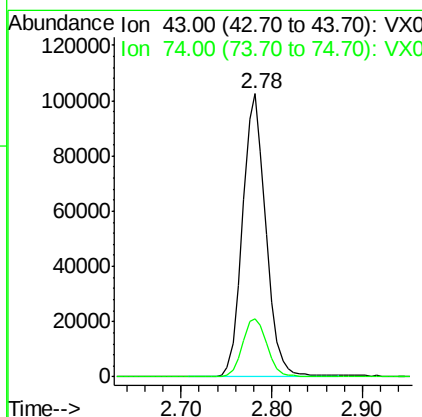
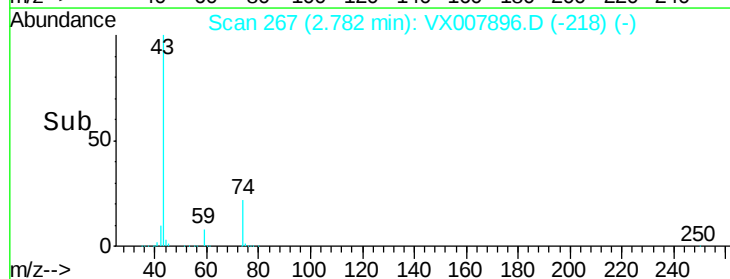
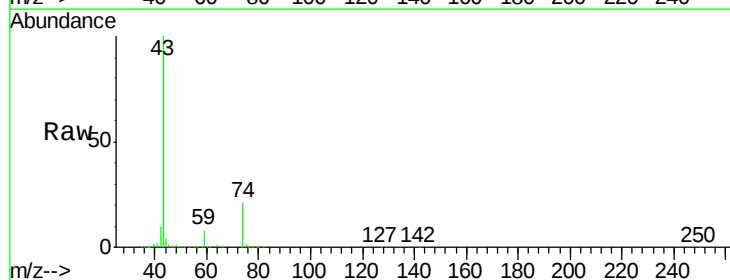
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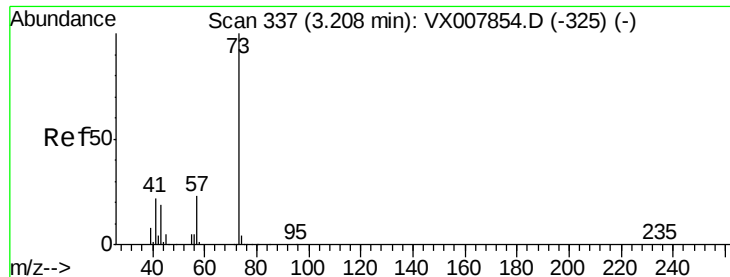
MMDadoda
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#18
Methyl Acetate
Concen: 51.850 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.8	26.6





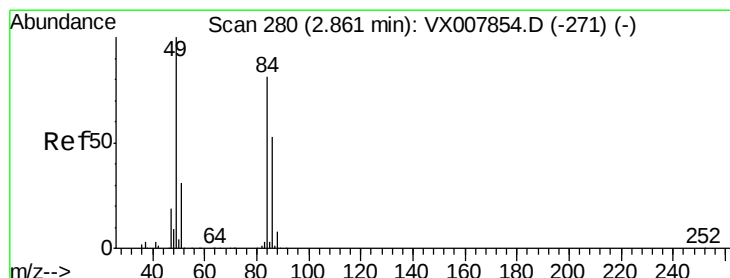
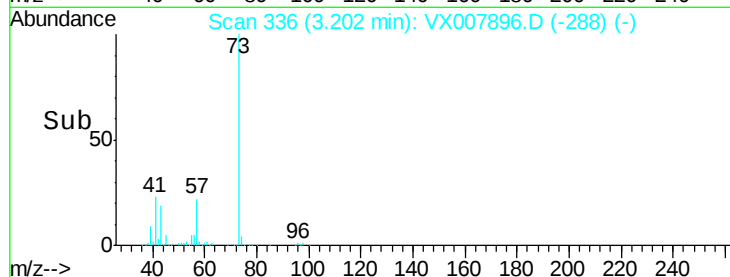
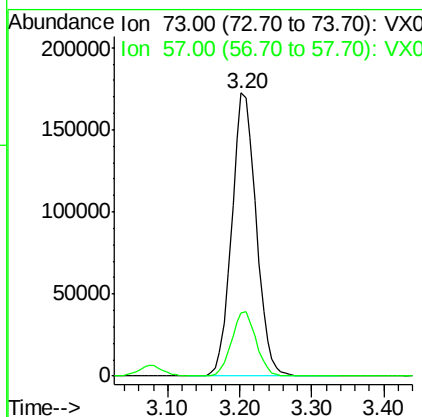
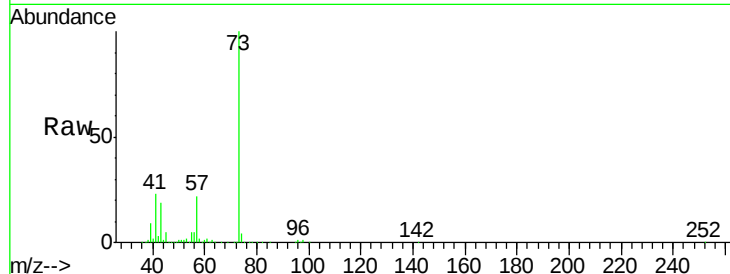
#19
Methvl tert-butvl Ether
Concen: 51.386 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.2	27.4

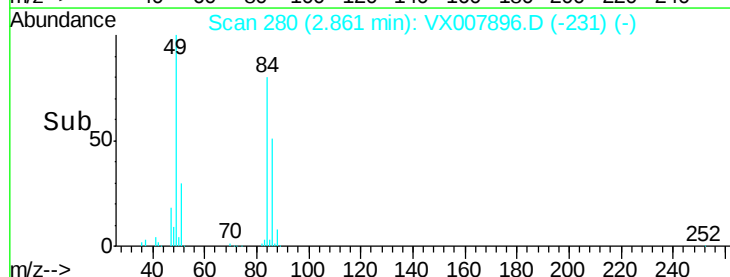
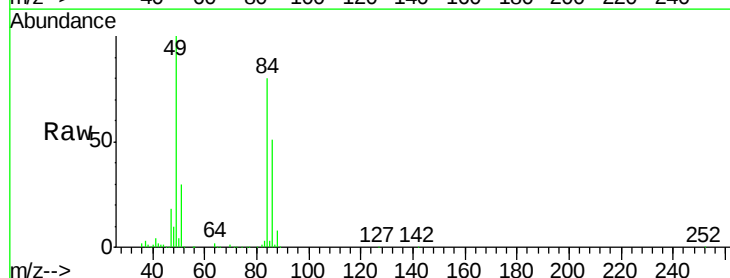
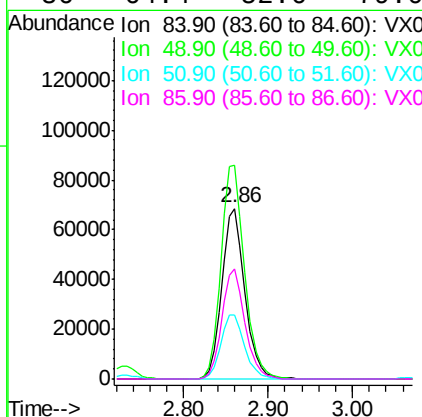
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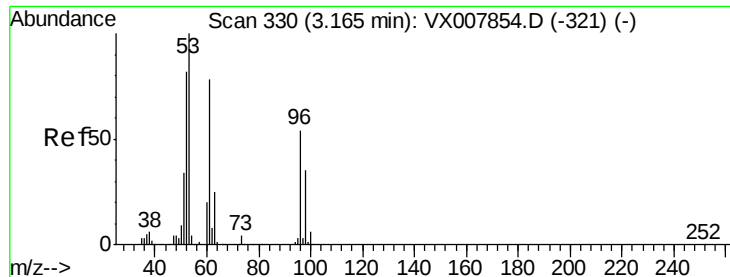
MMDadoda
3/8/2019 9:40:58 AM



#20
Methylene Chloride
Concen: 48.898 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	99.3	148.9
51	37.9	31.3	46.9
86	64.4	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 49.017 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

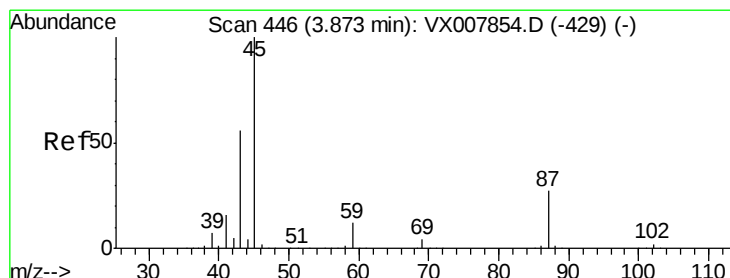
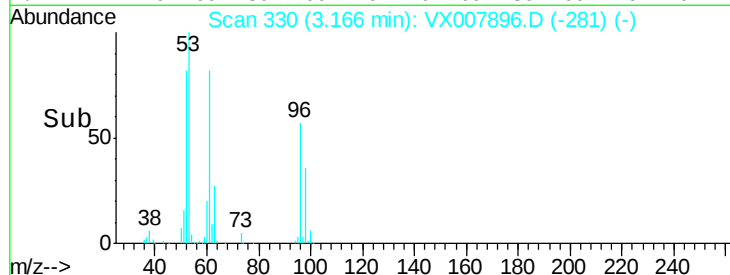
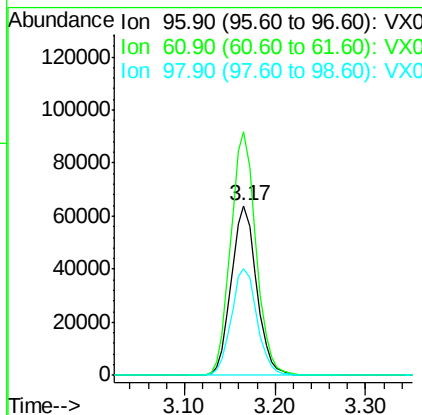
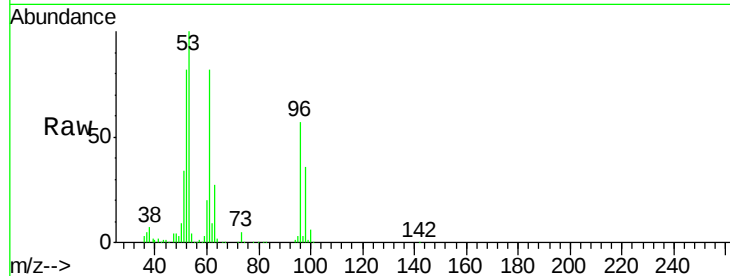
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	124019
Ion	Ratio	Lower	Upper
96	100		
61	143.4	114.4	171.6
98	63.2	51.1	76.7

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#22

Diisopropyl ether

Concen: 50.224 ug/l

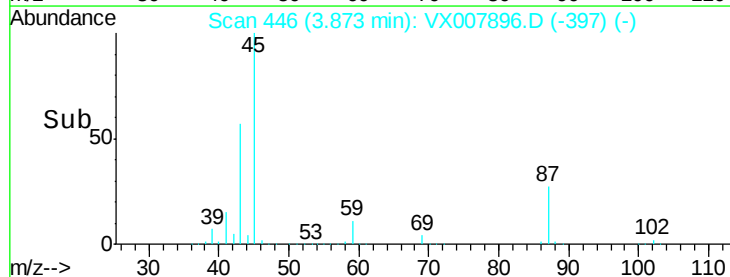
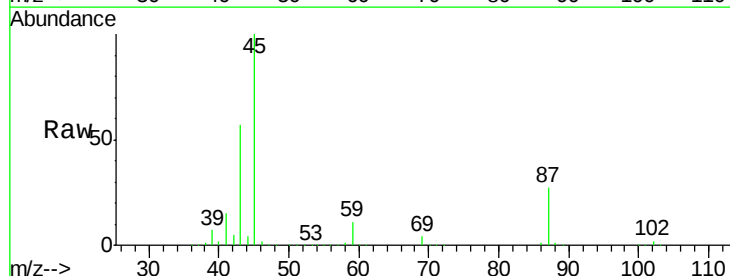
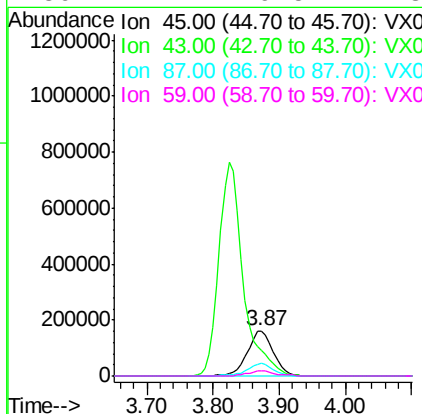
RT: 3.87 min Scan# 446

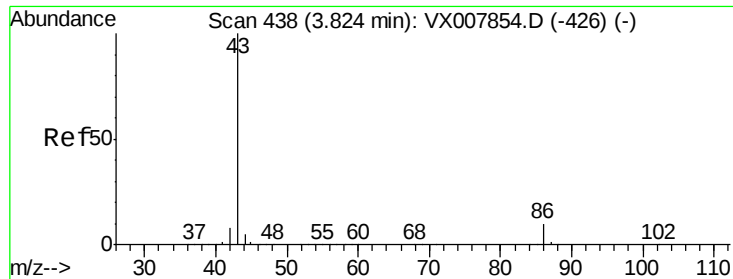
Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Tgt Ion:	45	Resp:	444842
Ion	Ratio	Lower	Upper
45	100		
43	56.7	45.3	67.9
87	27.3	21.4	32.0
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 252.416 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1960534

Ion Ratio Lower Upper

43 100

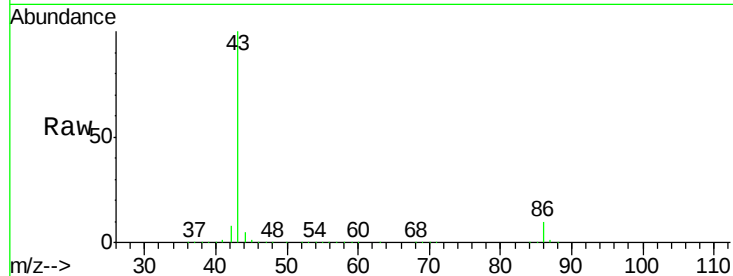
86 10.2 7.9 11.9

Manual Integrations

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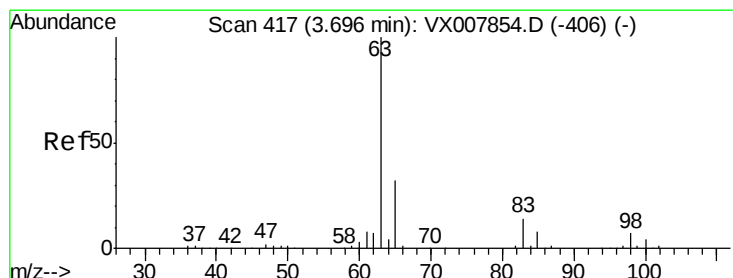
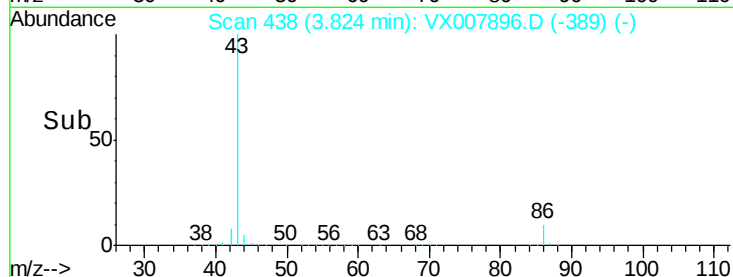
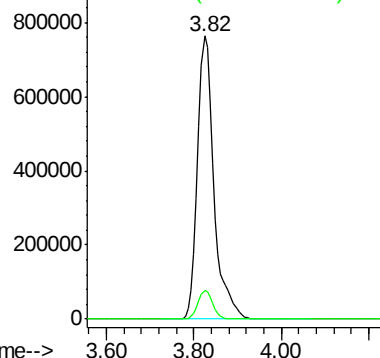
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.608 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

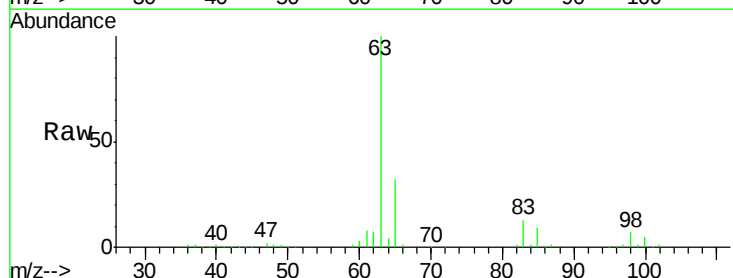
Tgt Ion: 63 Resp: 241221

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

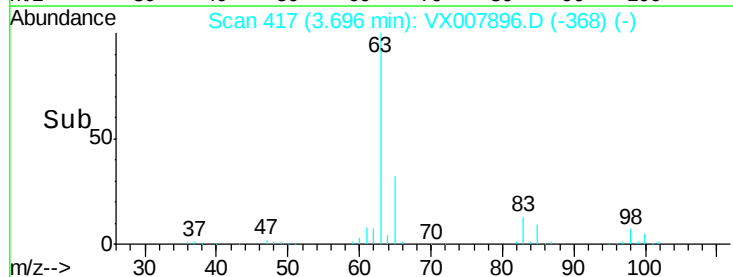
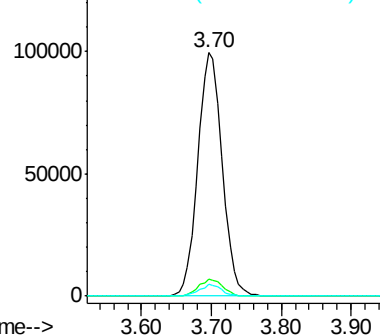
100 4.6 2.3 6.8

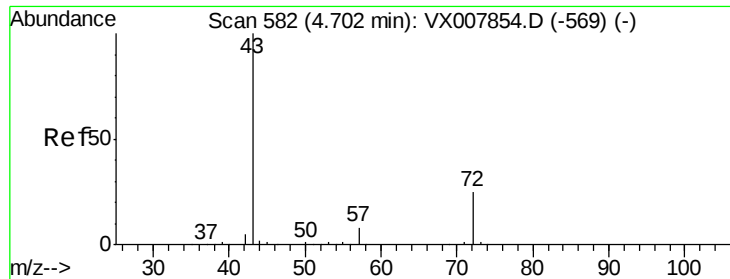


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 232.752 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 543762

Ion Ratio Lower Upper

43 100

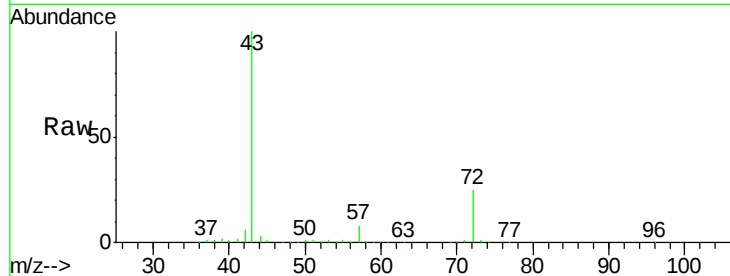
72 24.7 19.9 29.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

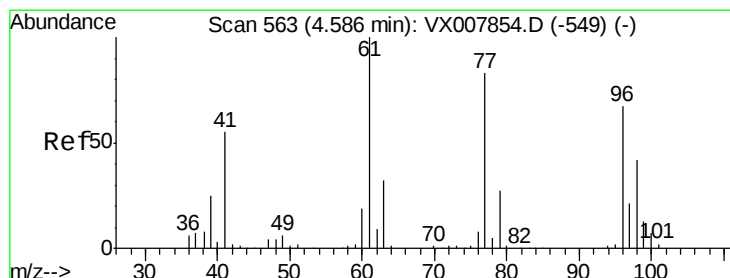
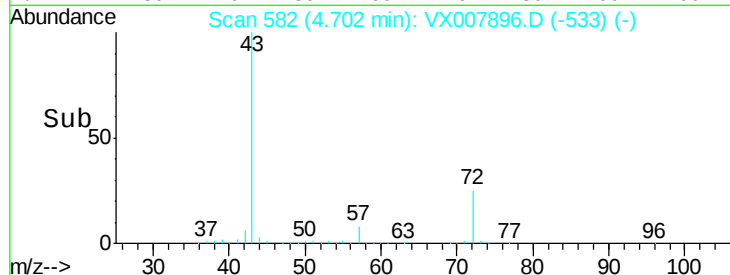
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.272 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007896.D

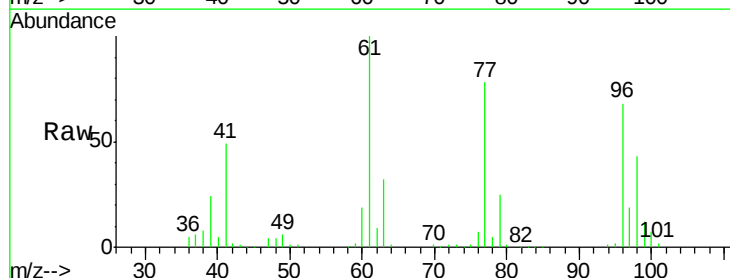
Acq: 07 Mar 2019 20:44

Tgt Ion: 77 Resp: 146121

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

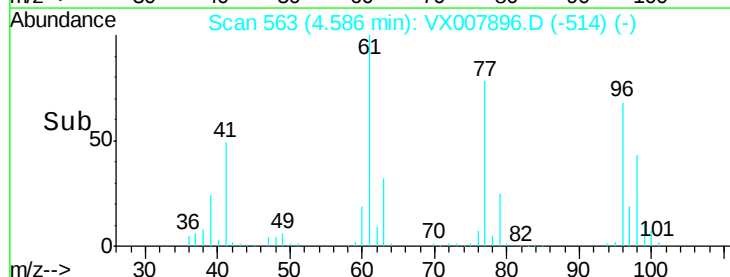
20000

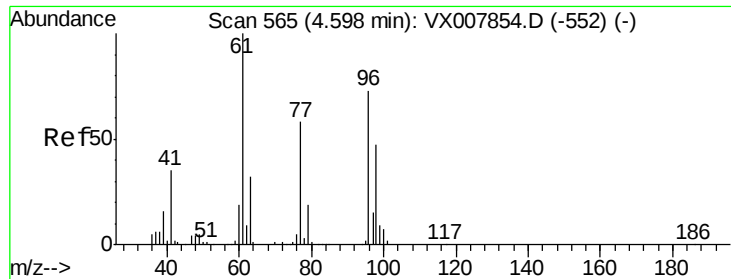
10000

0

4.50 4.60 4.70

Time-->





#27

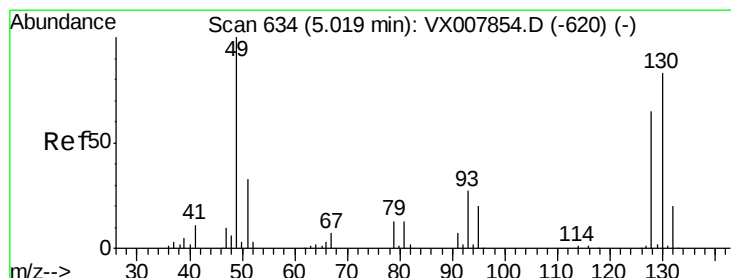
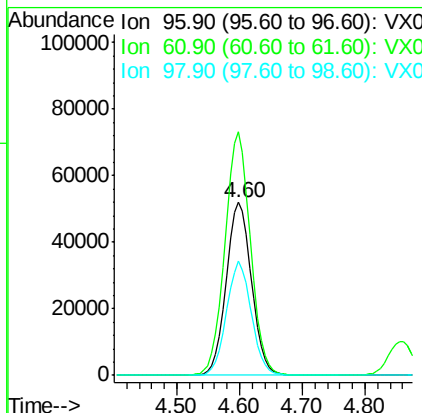
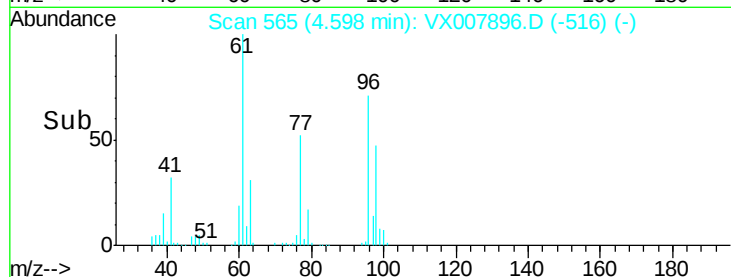
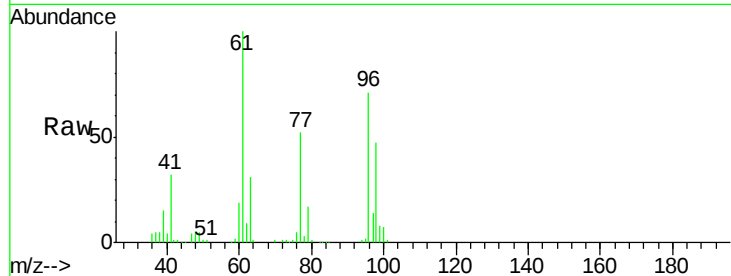
cis-1,2-Dichloroethene
Concen: 50.052 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.9	0.0	288.0	
98	64.8	0.0	129.0	

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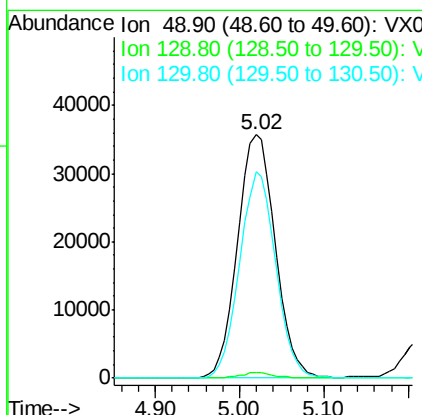
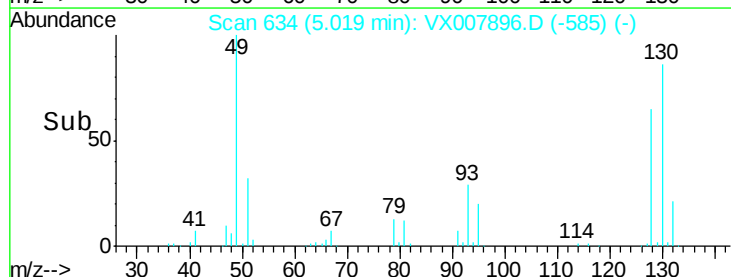
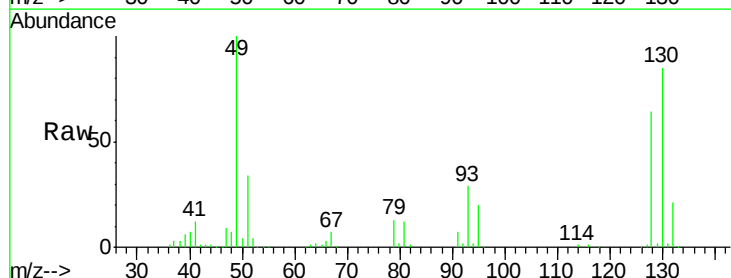
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3/8/2019 9:40:58 AM

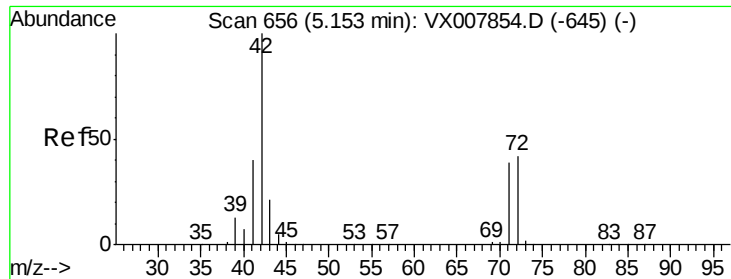


#28

Bromochloromethane
Concen: 48.955 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.0	
130	80.9	65.0	97.4	





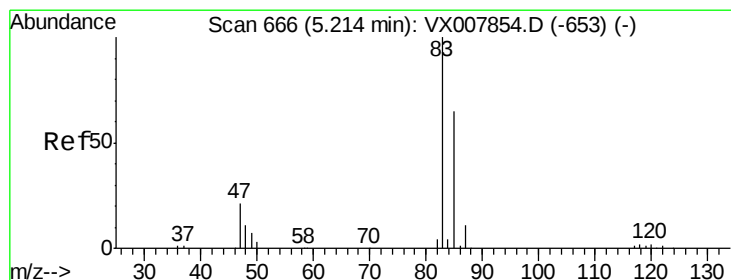
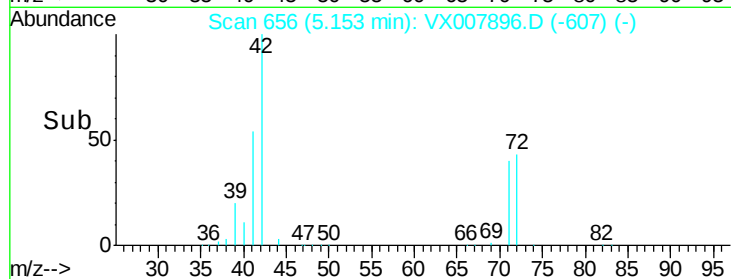
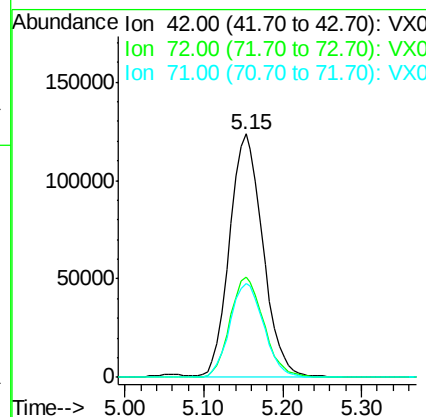
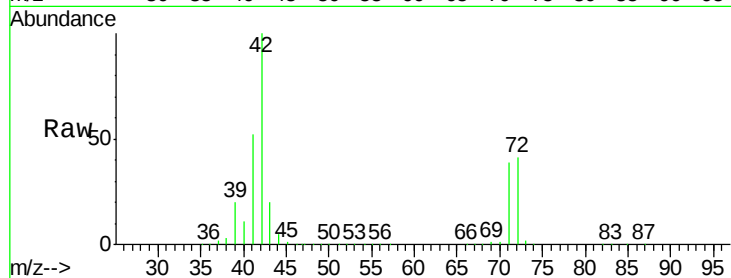
#29
Tetrahydrofuran
Concen: 249.070 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.6	31.5	47.3

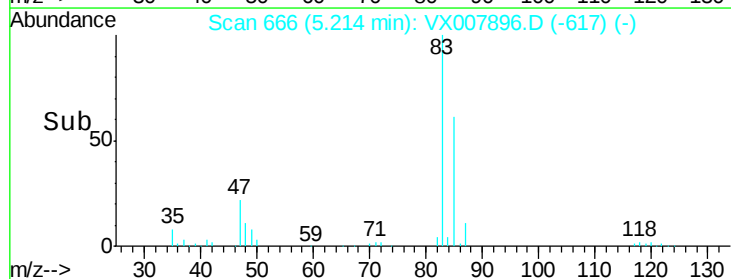
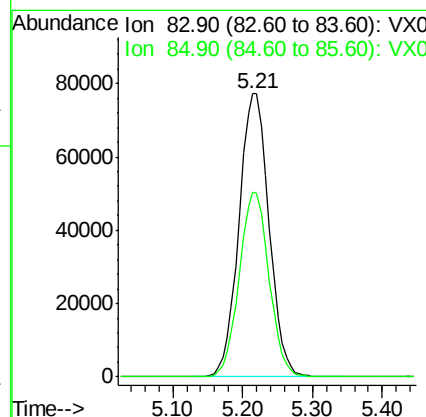
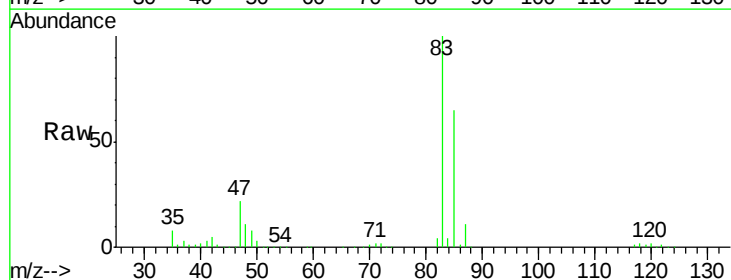
Manual Integrations
APPROVED

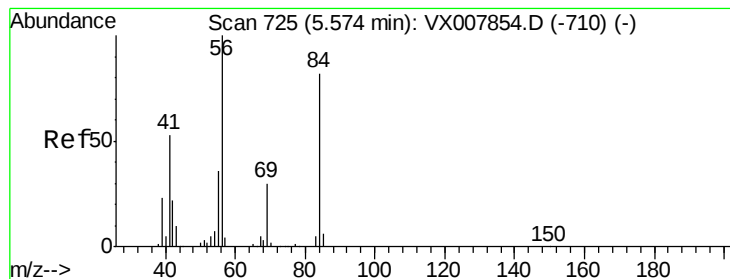
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3/8/2019 9:40:58 AM



#30
Chloroform
Concen: 51.067 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





#31

Cyclohexane

Concen: 50.655 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

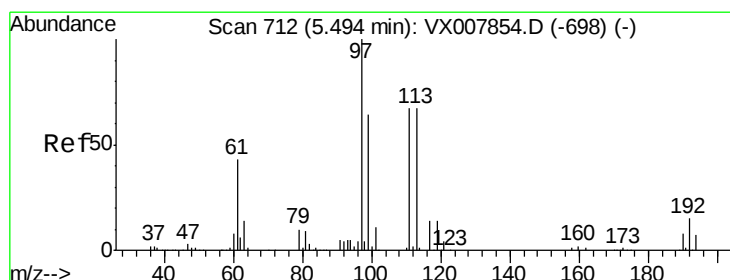
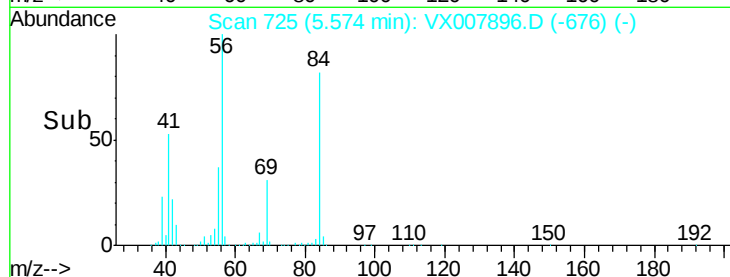
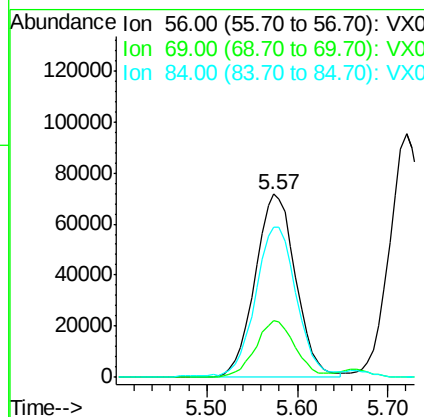
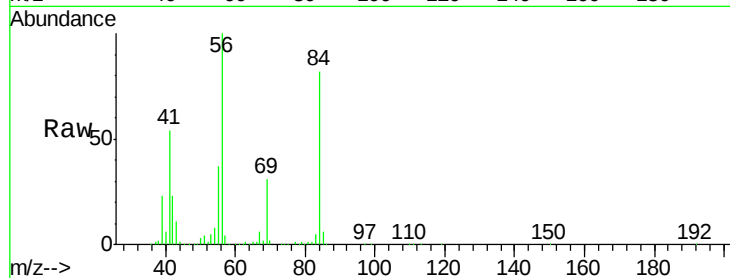
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	221907
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.0	36.0
84	80.8	65.3	97.9

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3/8/2019 9:40:58 AM



#32

1,1,1-Trichloroethane

Concen: 51.925 ug/l

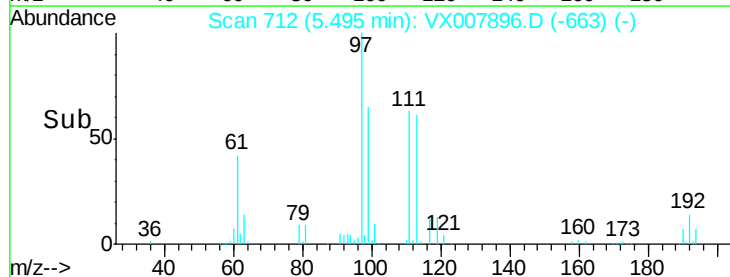
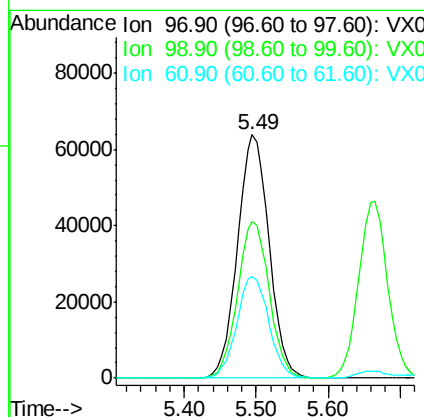
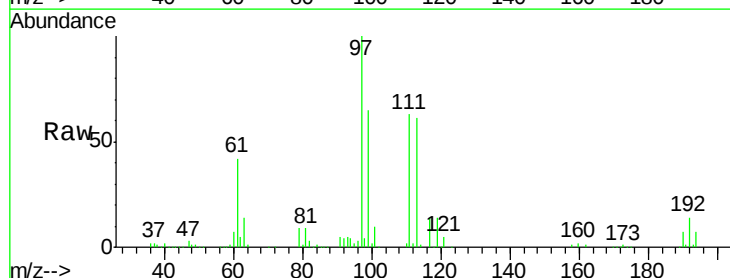
RT: 5.49 min Scan# 712

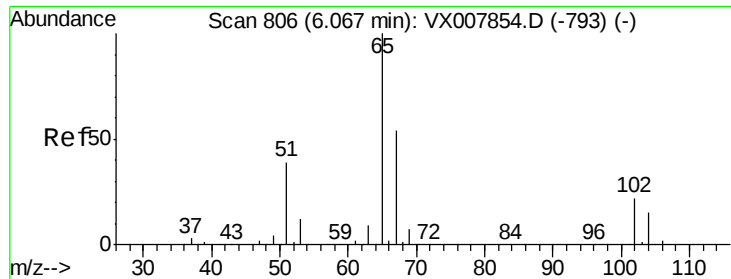
Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Tgt Ion:	97	Resp:	194249
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.2
61	42.4	34.9	52.3





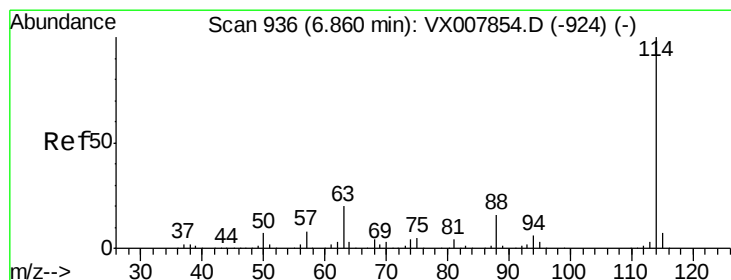
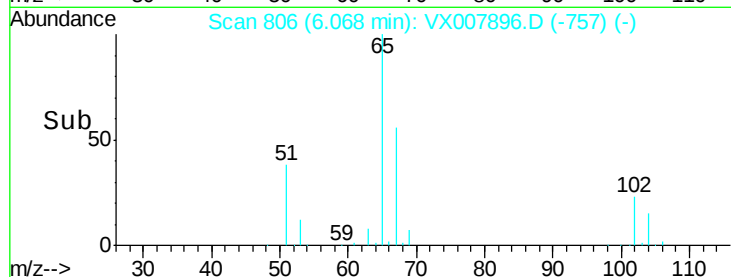
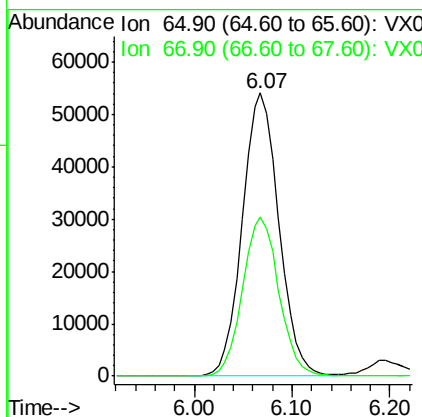
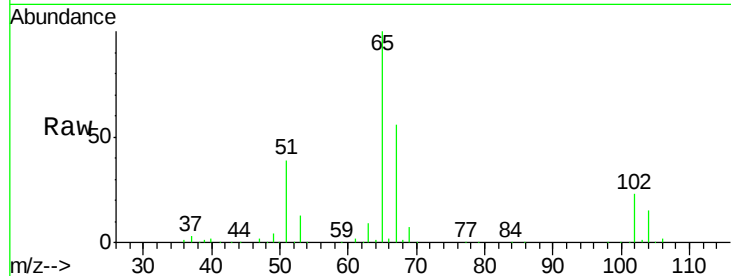
#33
 1,2-Dichloroethane-d4
 Concen: 49.058 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.8	0.0	110.0

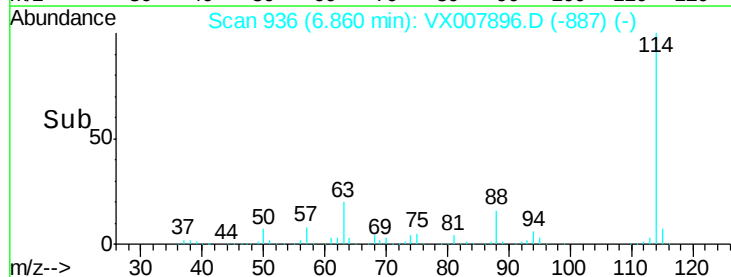
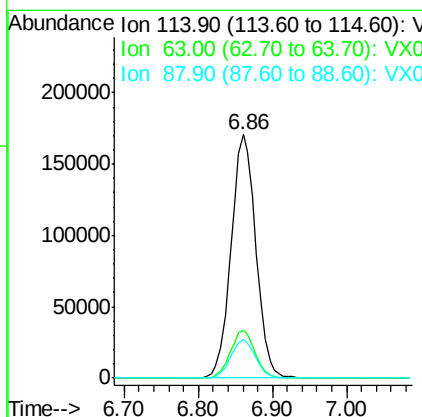
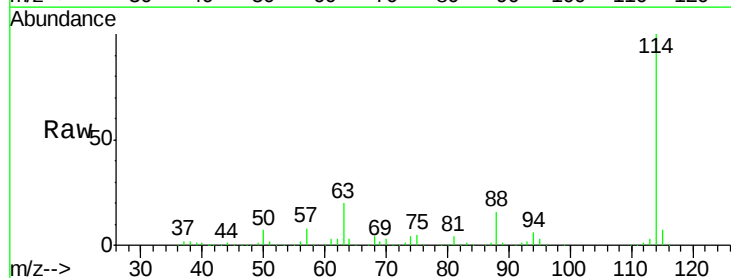
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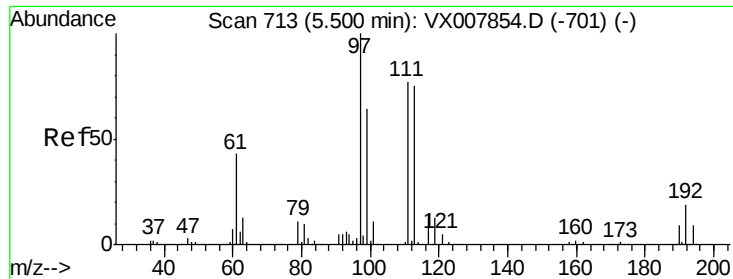
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 3/8/2019 9:40:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.8
88	15.9	0.0	31.4





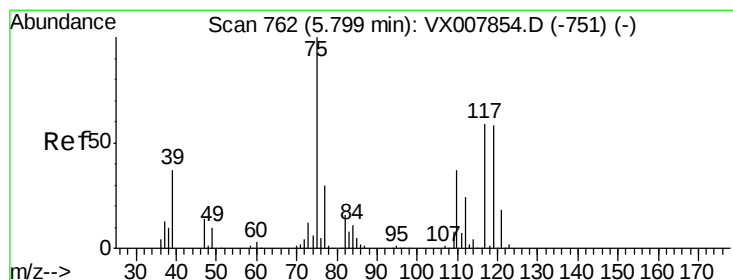
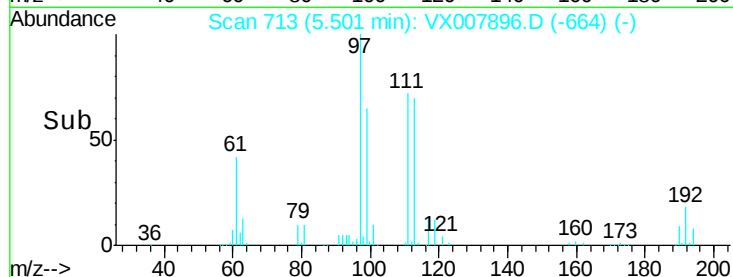
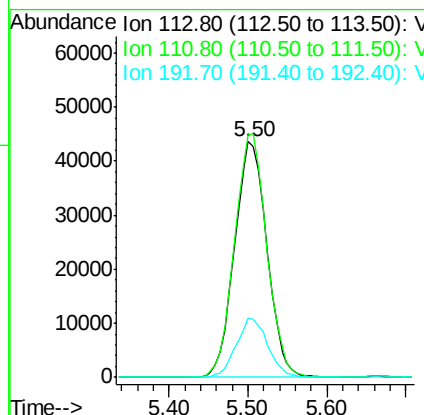
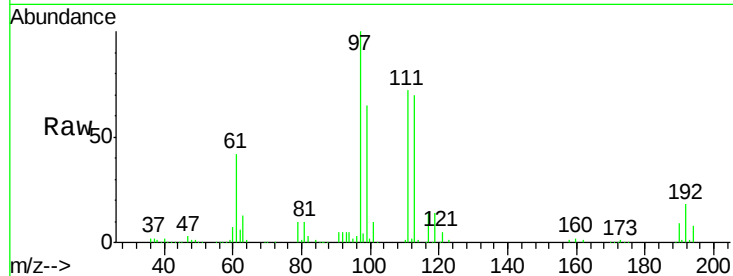
#35
Dibromofluoromethane
Concen: 49.205 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124782		
111	102.7	81.4	122.0	
192	24.3	19.4	29.0	

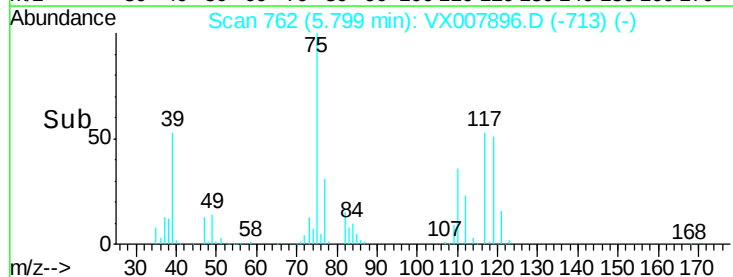
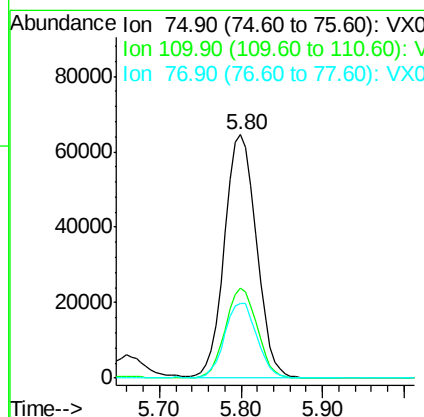
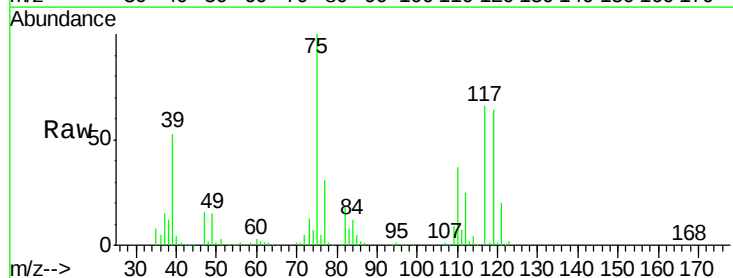
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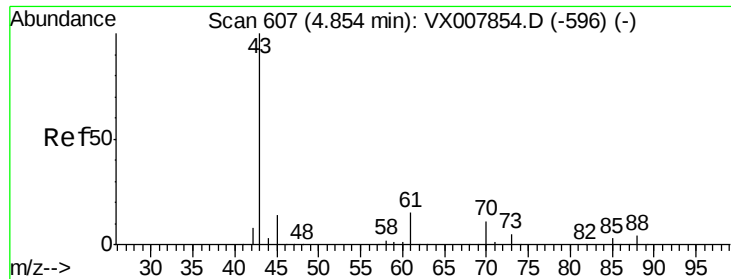
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#36
1,1-Dichloropropene
Concen: 48.613 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	174512		
110	36.8	18.4	55.0	
77	31.6	25.0	37.4	





#37

Ethyl Acetate

Concen: 48.438 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

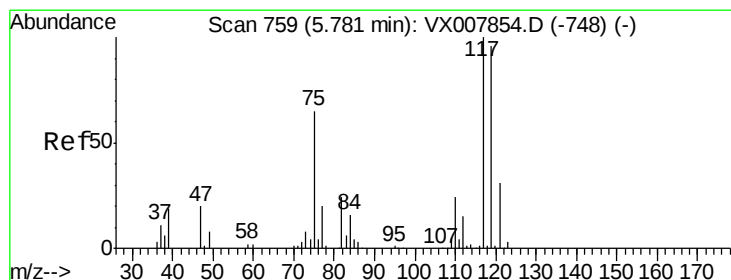
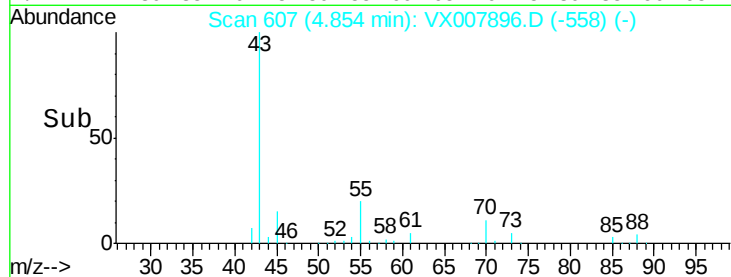
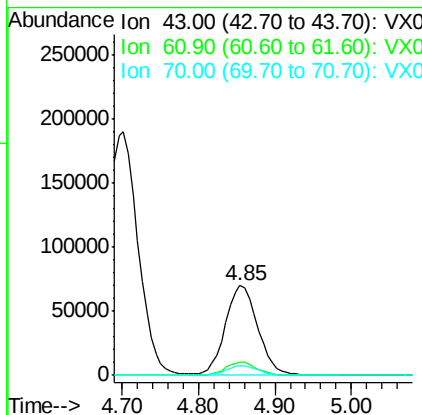
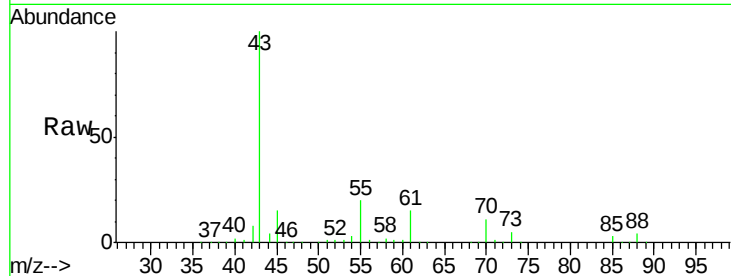
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	206347
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.3	16.9
70	10.6	8.5	12.7

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#38

Carbon Tetrachloride

Concen: 51.249 ug/l

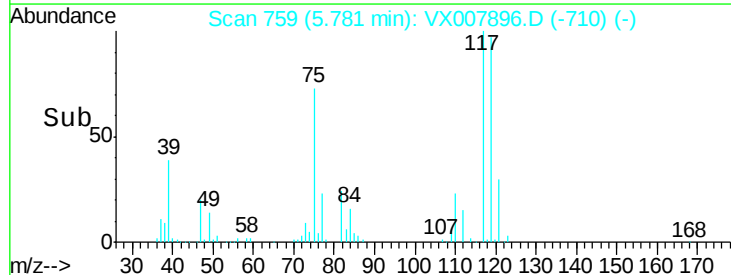
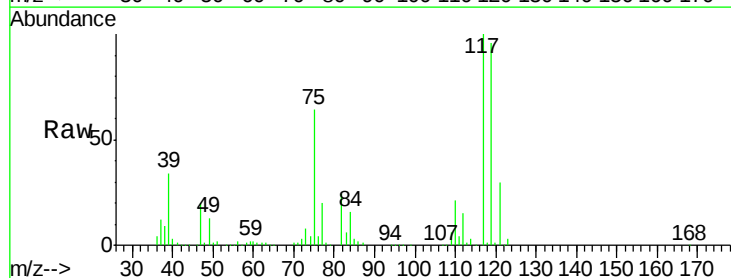
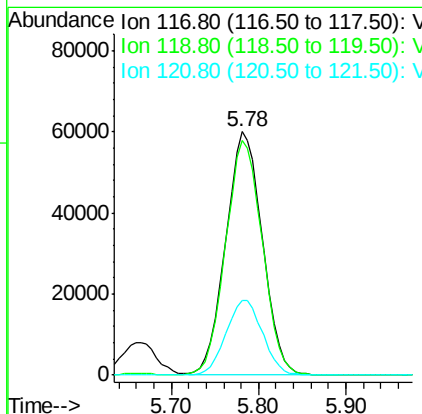
RT: 5.78 min Scan# 759

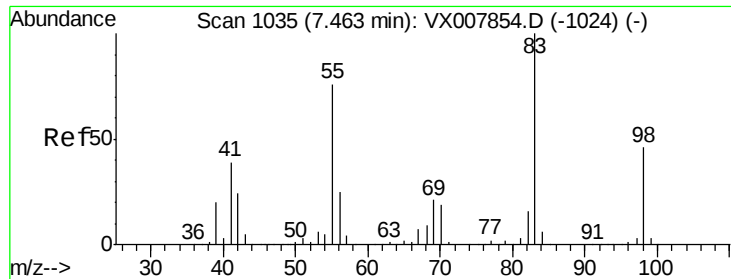
Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Tgt Ion:	117	Resp:	174658
Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.2	114.2
121	30.5	24.6	36.8





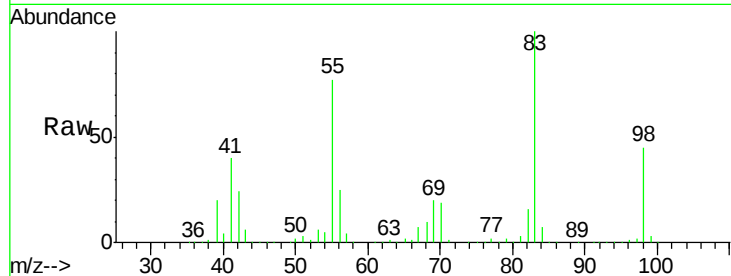
#39
Methvlcvclohexane
Concen: 49.741 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

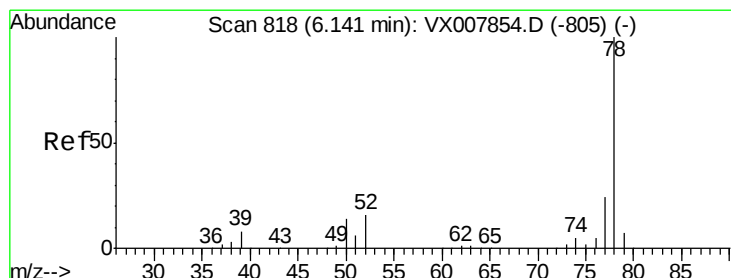
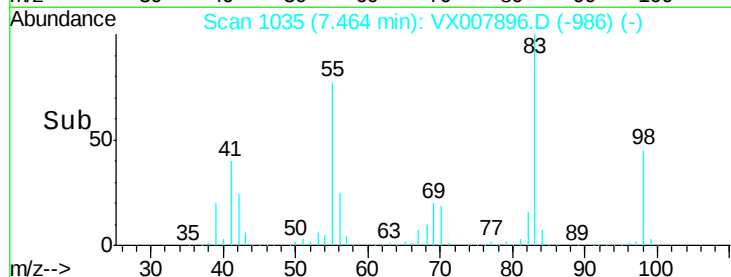
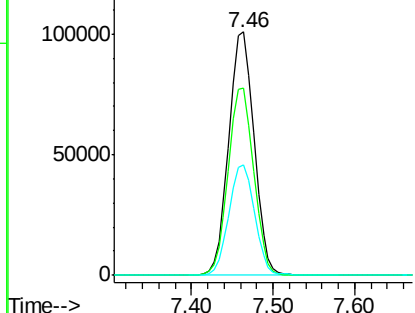
Tot Ion	Ratio	Resp	Lower	Upper
83	100	216368		
55	76.9		60.4	90.6
98	45.4		36.5	54.7

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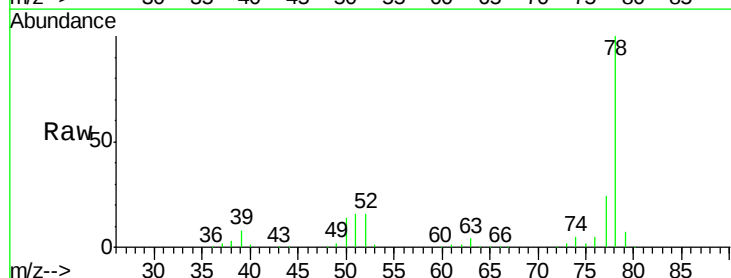


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

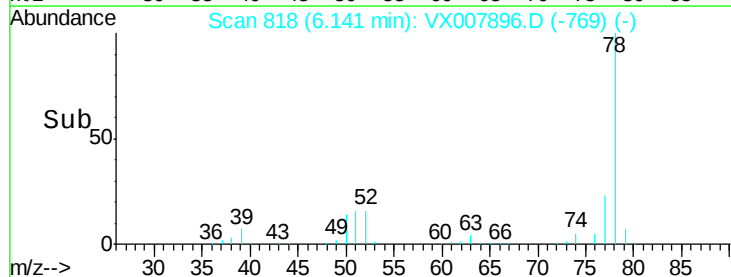
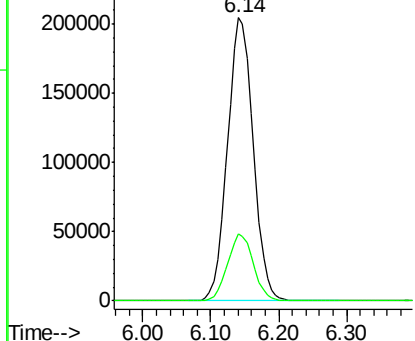


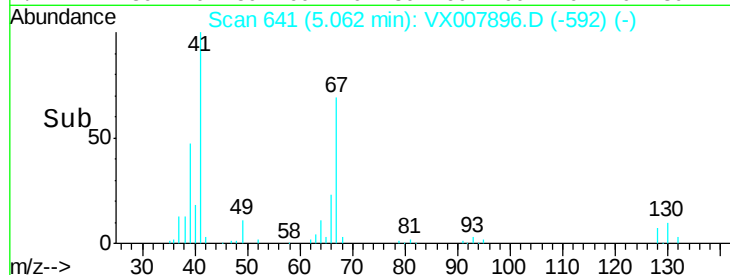
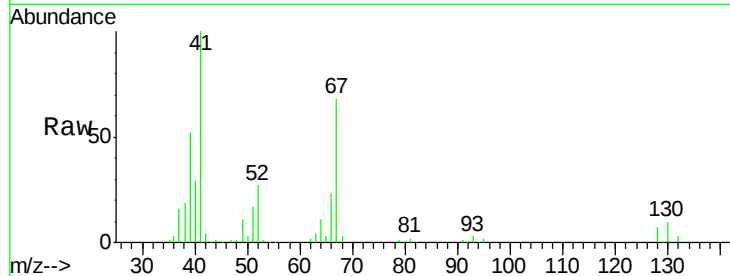
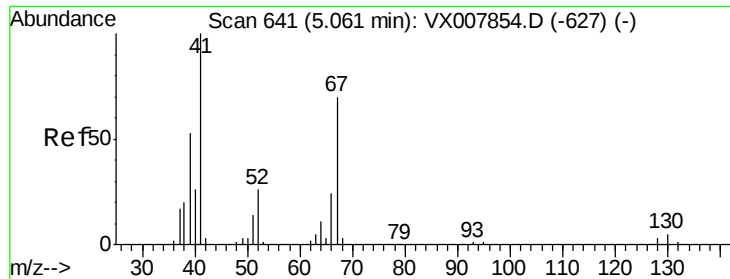
#40
Benzene
Concen: 50.227 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	536777		
77	23.6		19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 49.984 ug/l

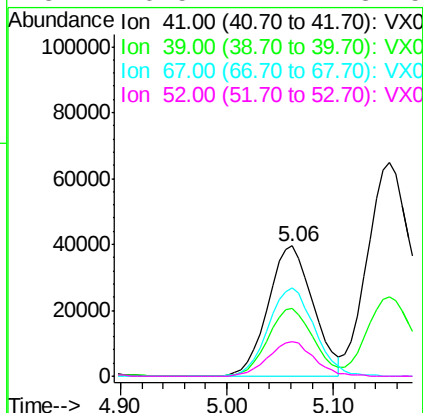
RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	41.6	62.4	
67	69.6	55.8	83.6	
52	26.5	21.7	32.5	



Instrument :

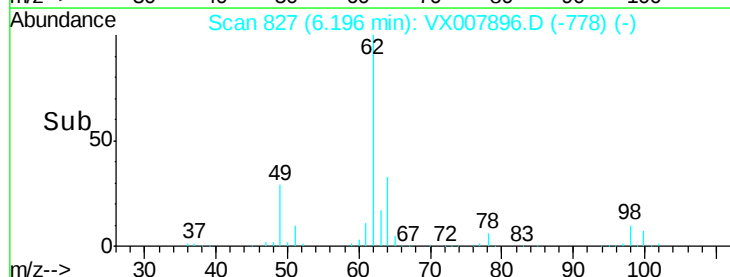
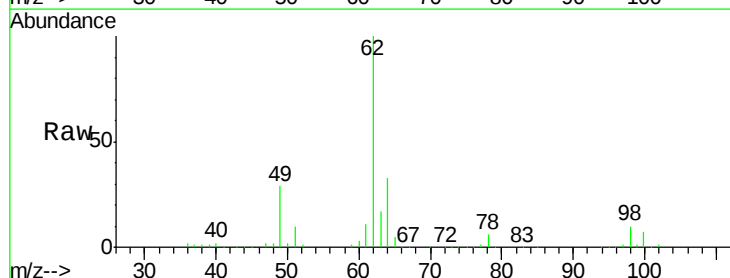
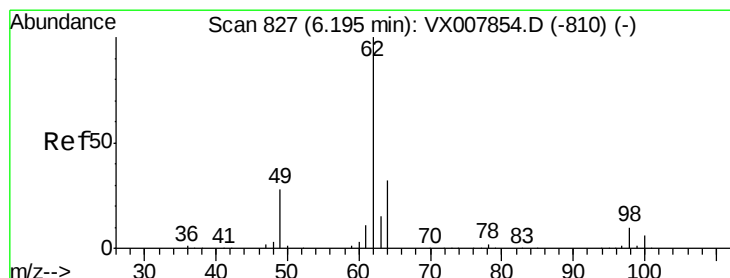
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.718 ug/l

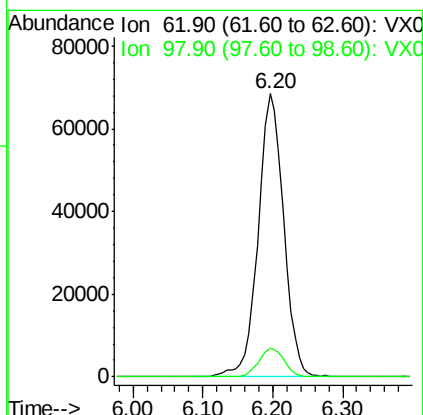
RT: 6.20 min Scan# 827

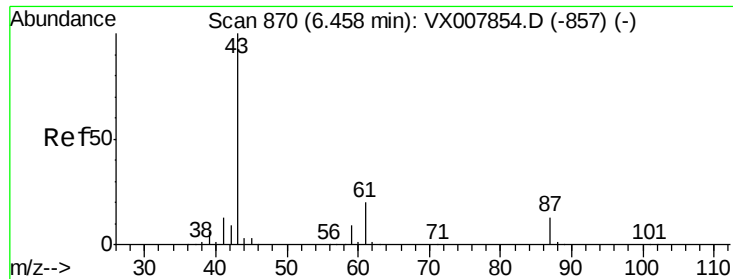
Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.4	





#43

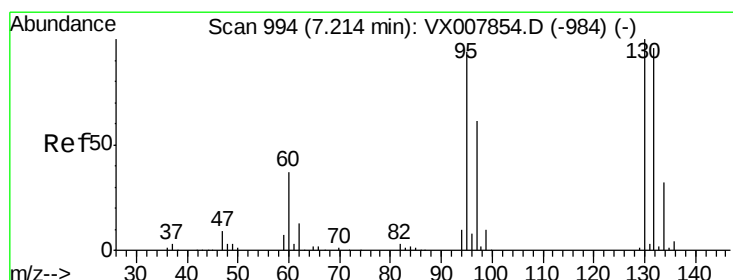
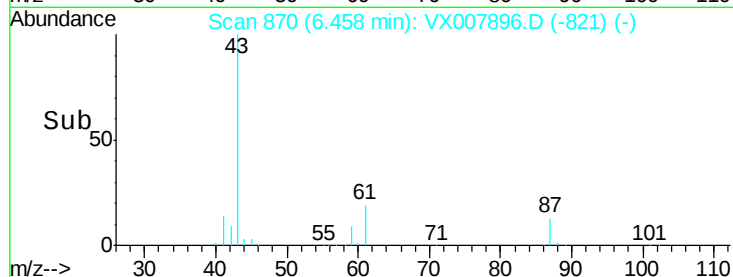
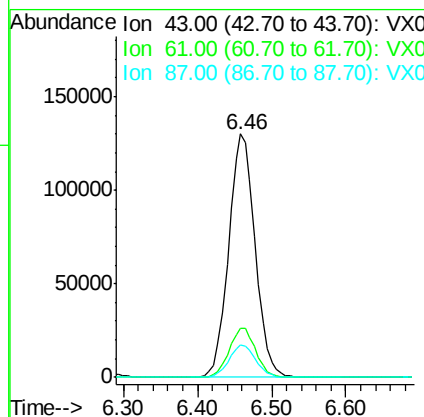
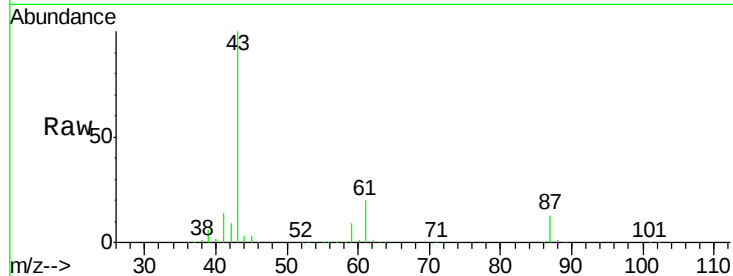
Isopropyl Acetate
 Concen: 50.907 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.3	24.5
87	13.3	10.5	15.7

Manual Integrations
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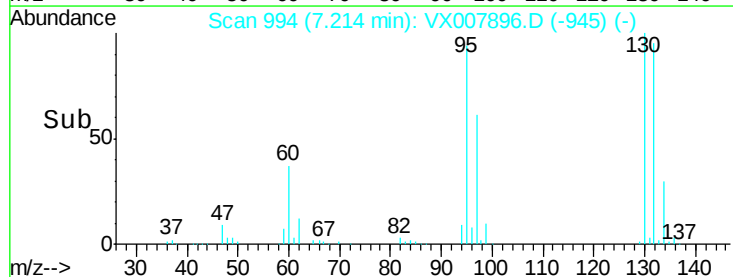
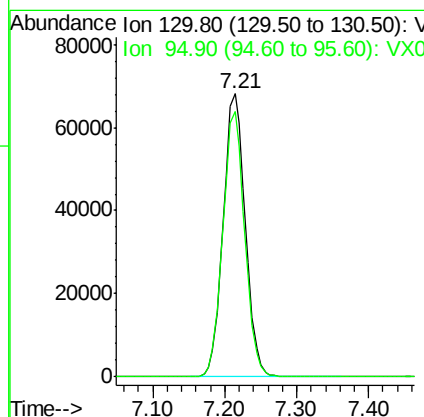
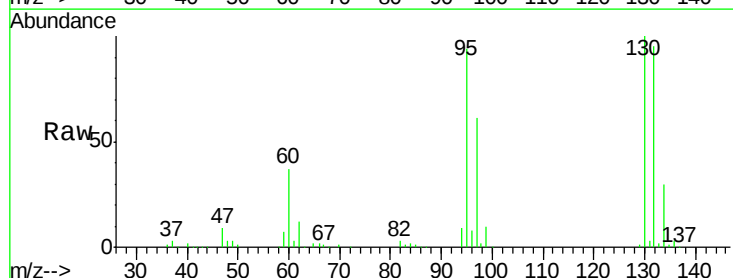
MMDadoda
 3/8/2019 9:40:58 AM

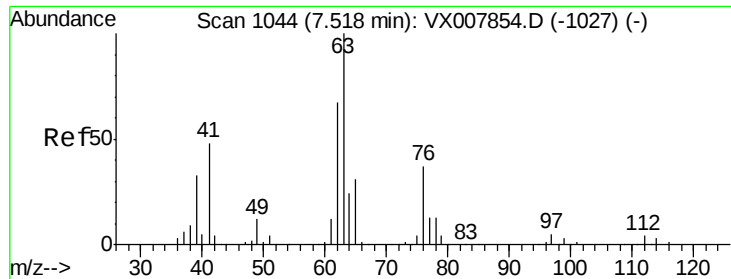


#44

Trichloroethene
 Concen: 49.553 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	188.0





#45

1,2-Dichloropropane

Concen: 50.876 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 143605

Ion Ratio Lower Upper

63 100

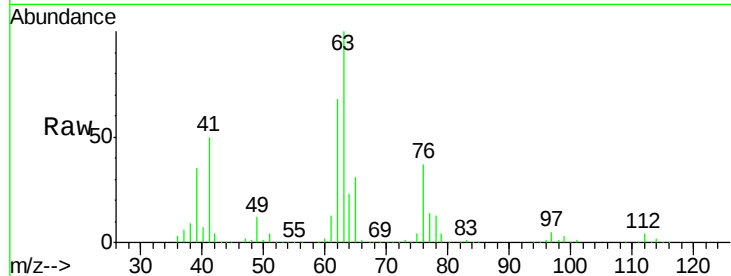
65 30.6 24.7 37.1

Manual Integrations

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MMDadoda

3/8/2019 9:40:58 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

80000

60000

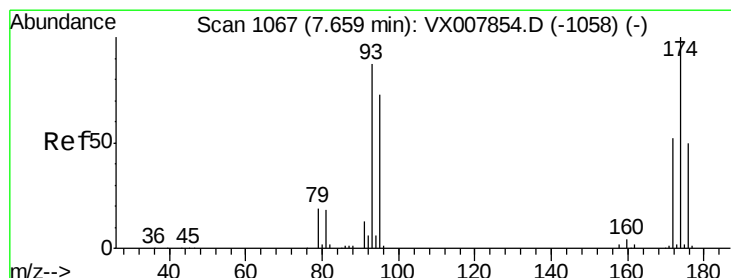
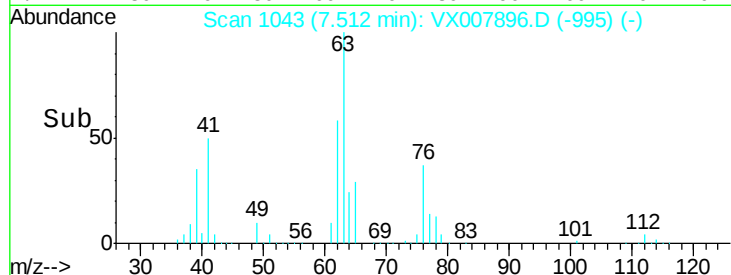
40000

20000

0

Time-->

7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 50.094 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

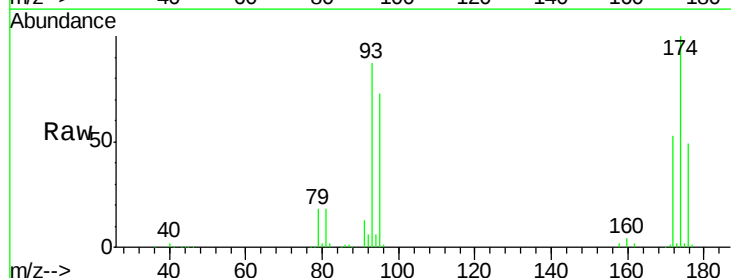
Tgt Ion: 93 Resp: 89484

Ion Ratio Lower Upper

93 100

95 84.0 66.8 100.2

174 122.2 97.3 145.9



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

80000

60000

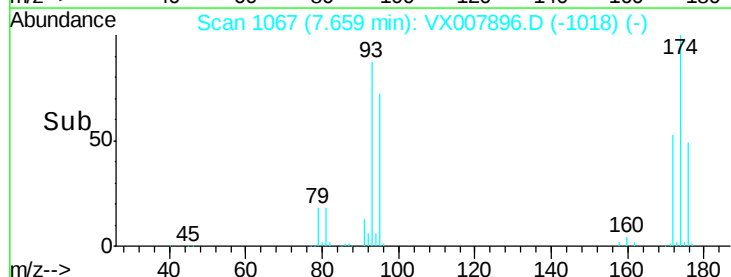
40000

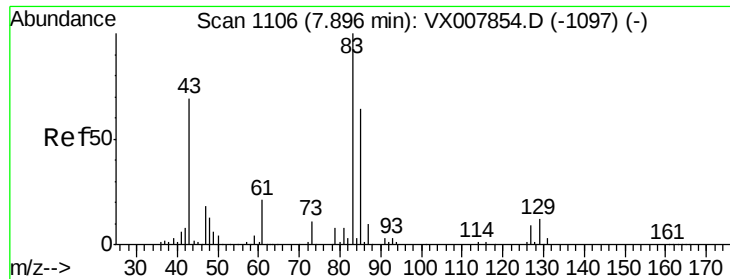
20000

0

Time-->

7.60 7.70 7.80





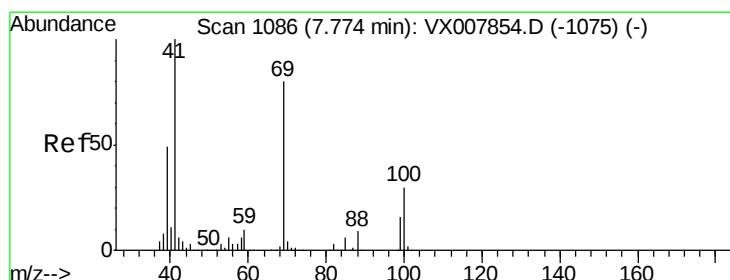
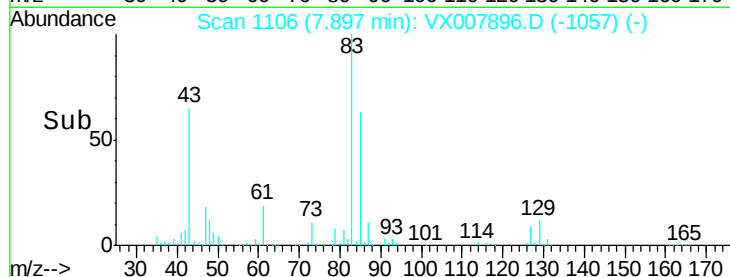
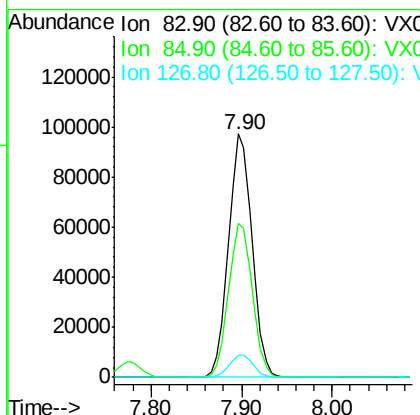
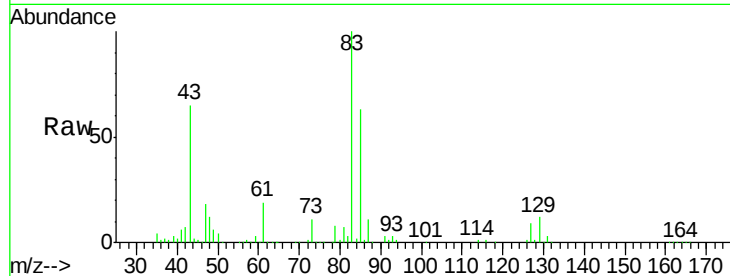
#47
Bromodichloromethane
Concen: 51.765 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.9	76.3
127	9.2	7.4	11.0

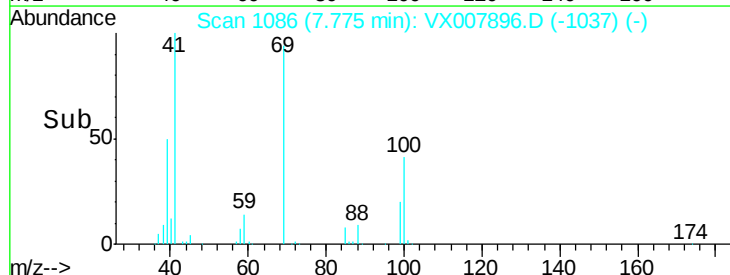
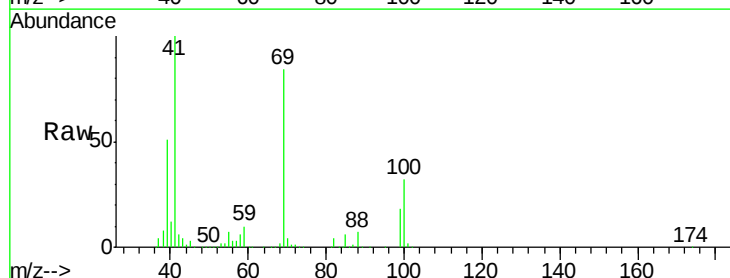
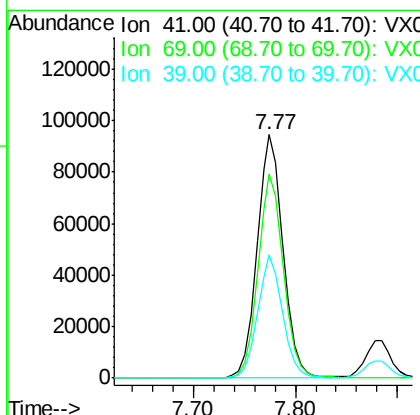
Manual Integrations
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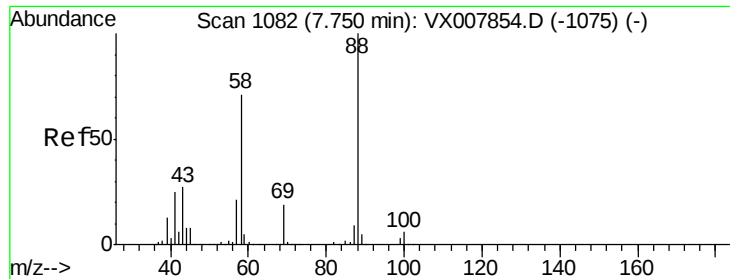
MMDadoda
3/8/2019 9:40:58 AM



#48
Methyl methacrylate
Concen: 50.539 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.9	65.2	97.8
39	48.9	39.4	59.2





#49

1,4-Dioxane

Concen: 978.794 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

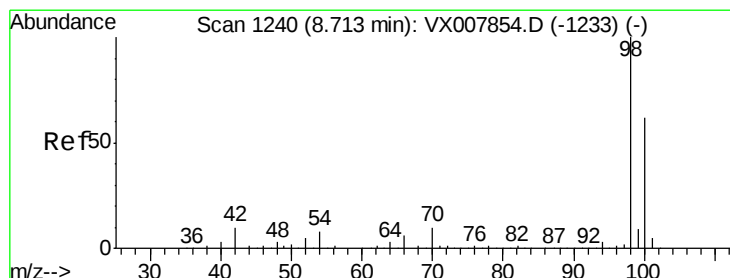
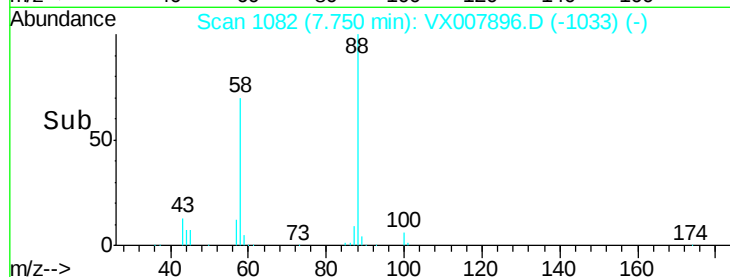
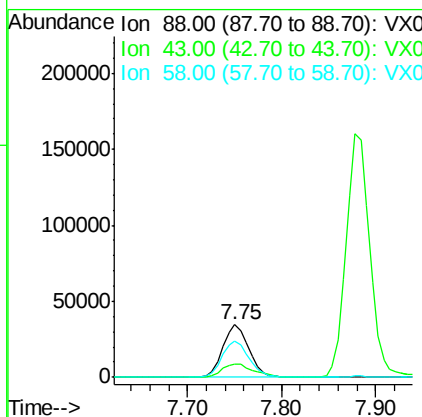
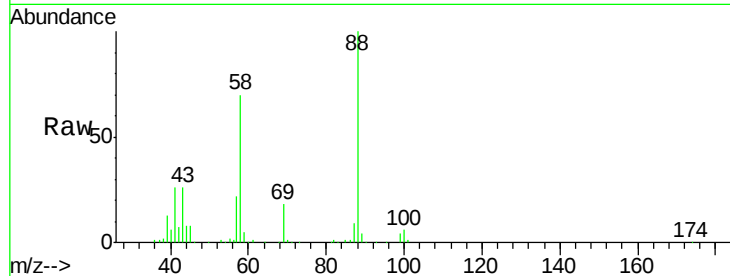
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	66648
Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.1	37.7
58	72.0	57.8	86.6

Manual Integrations
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3/8/2019 9:40:58 AM



#50

Toluene-d8

Concen: 49.528 ug/l

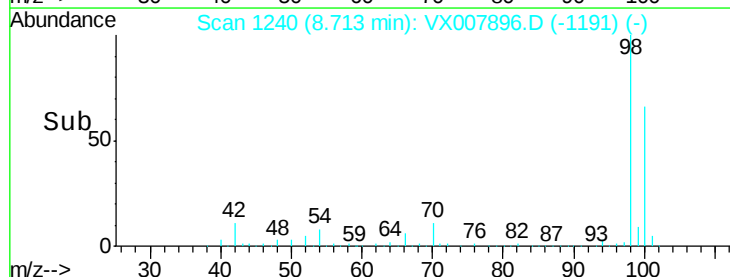
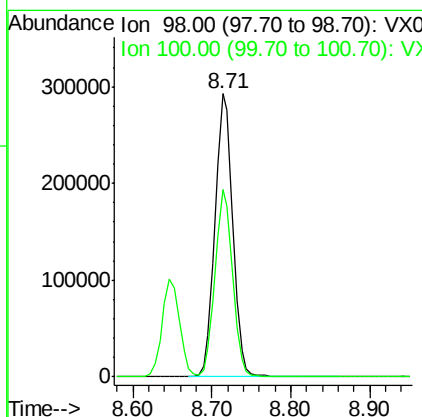
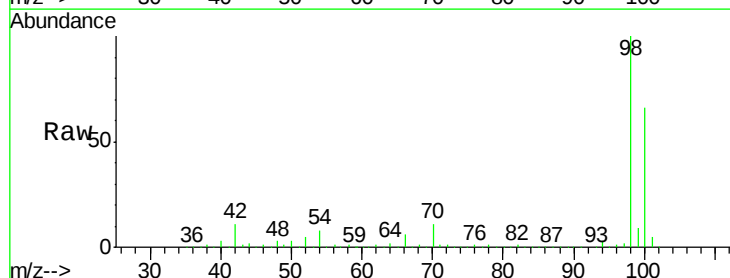
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Tgt Ion:	98	Resp:	461277
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 250.705 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1016496

Ion Ratio Lower Upper

43 100

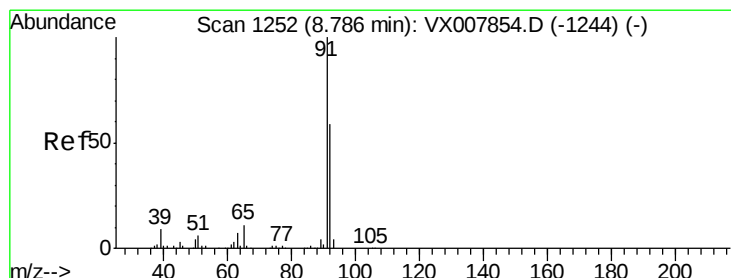
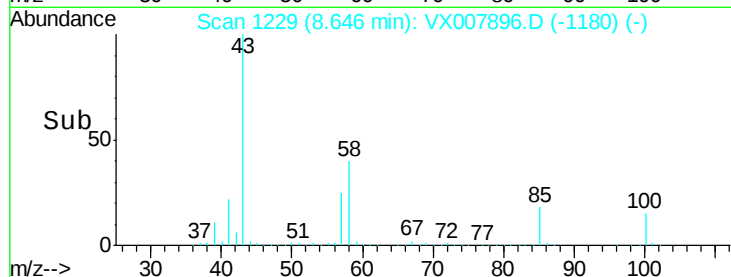
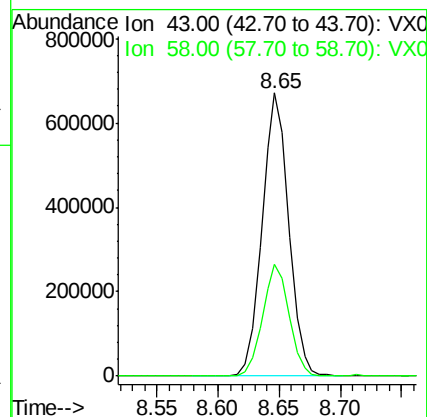
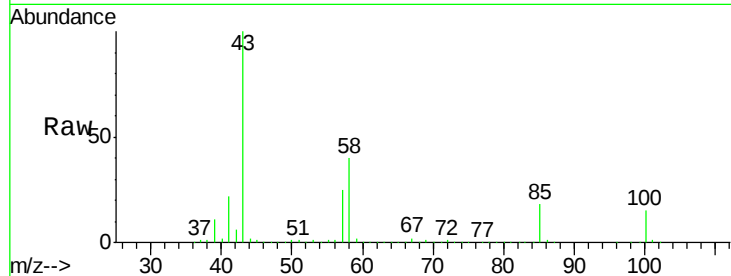
58 39.5 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 50.197 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007896.D

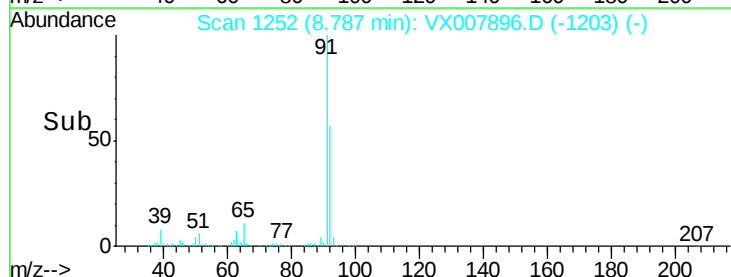
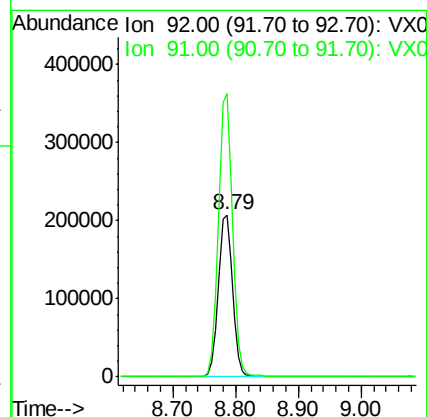
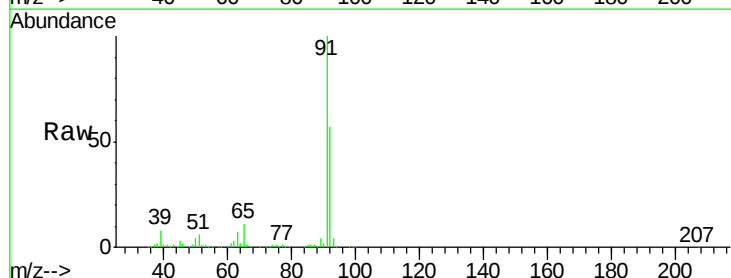
Acq: 07 Mar 2019 20:44

Tgt Ion: 92 Resp: 327519

Ion Ratio Lower Upper

92 100

91 172.7 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 53.199 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 188056

Ion Ratio Lower Upper

75 100

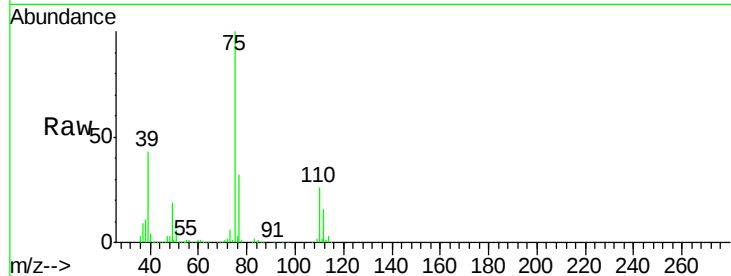
77 31.8 25.4 38.0

Manual Integrations

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3/8/2019 9:40:58 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

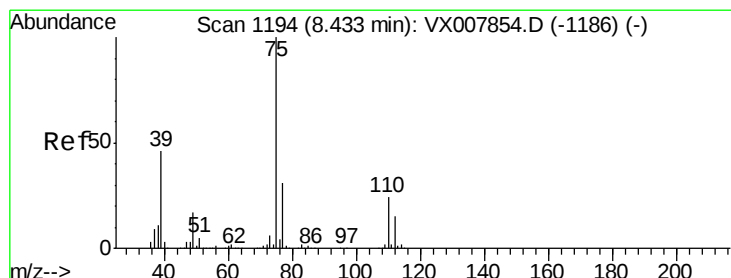
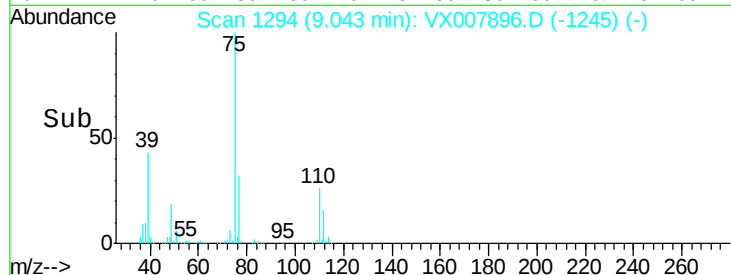
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.960 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

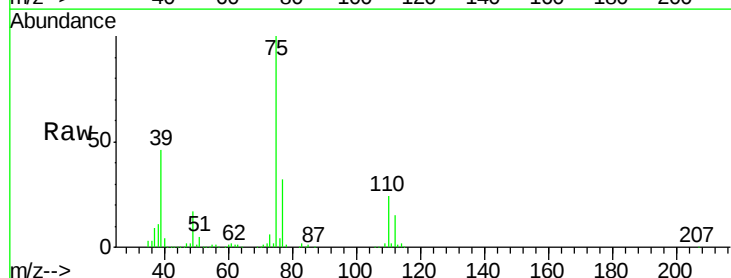
Tgt Ion: 75 Resp: 211405

Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.6

39 45.6 36.6 54.8



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

8.43

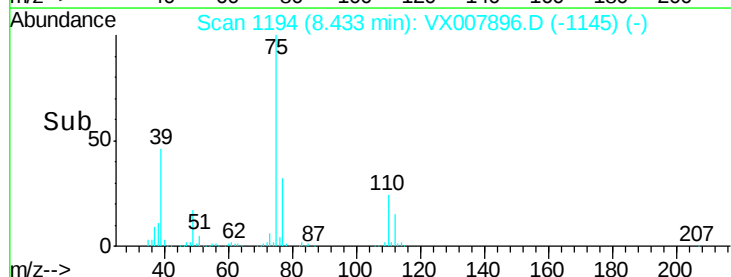
150000

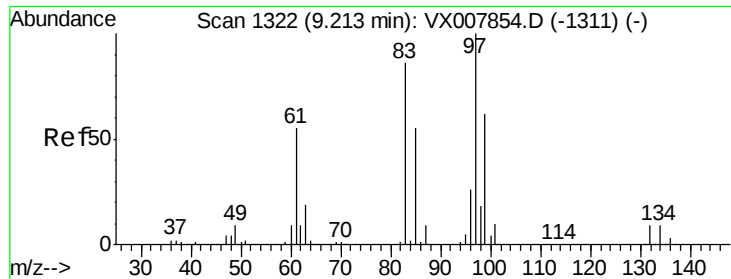
100000

50000

0

Time-->





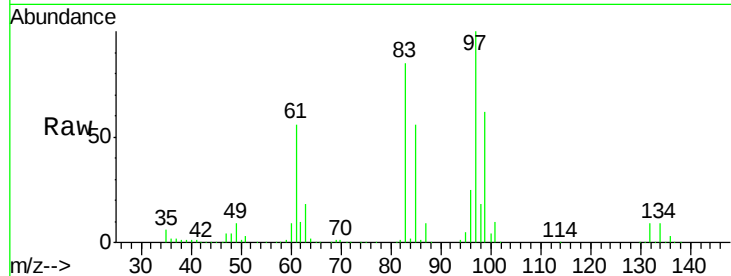
#55
 1,1,2-Trichloroethane
 Concen: 51.248 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

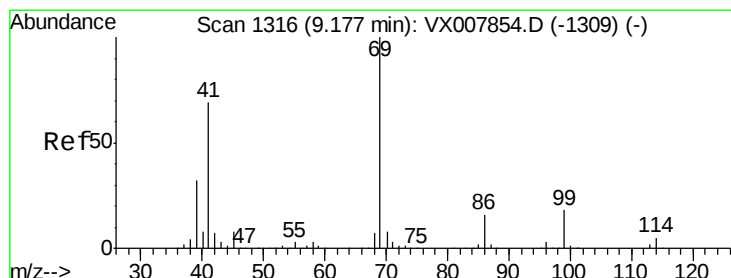
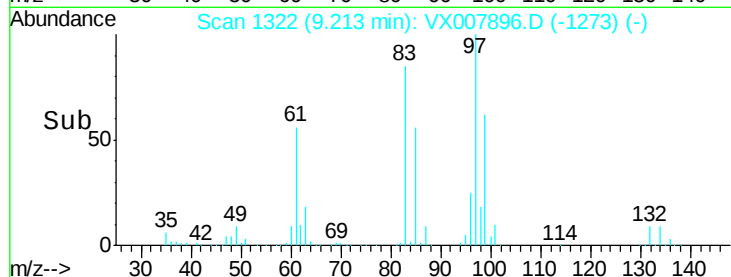
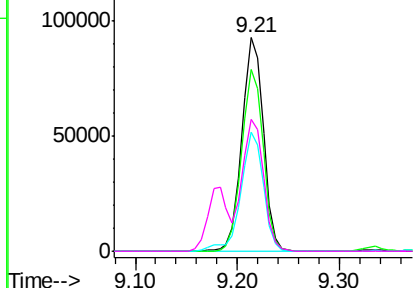
Tot Ion:	97	Resp:	135361
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.1	103.7
85	55.7	44.3	66.5
99	61.5	49.8	74.8

Manual Integrations
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MMDadoda
 3/8/2019 9:40:58 AM

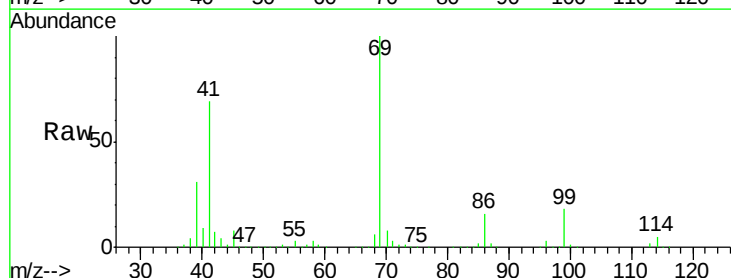


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

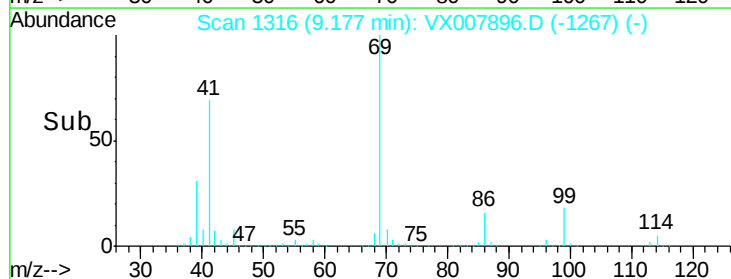
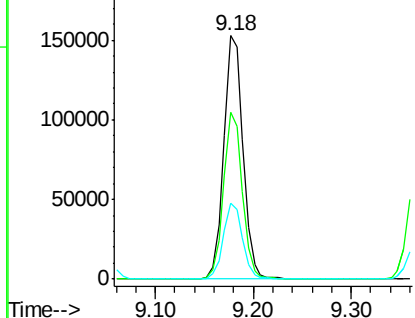


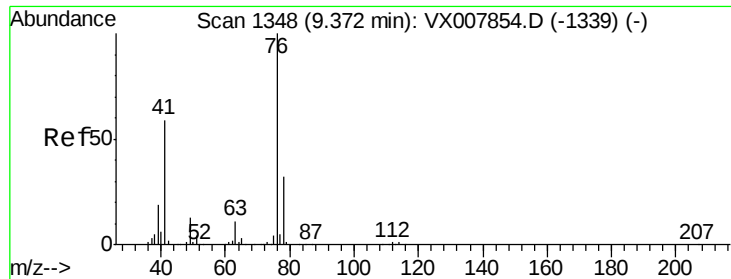
#56
 Ethyl methacrylate
 Concen: 52.629 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Tgt Ion:	69	Resp:	208714
Ion	Ratio	Lower	Upper
69	100		
41	66.9	54.2	81.4
39	31.2	25.0	37.4



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.792 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 225257

Ion Ratio Lower Upper

76 100

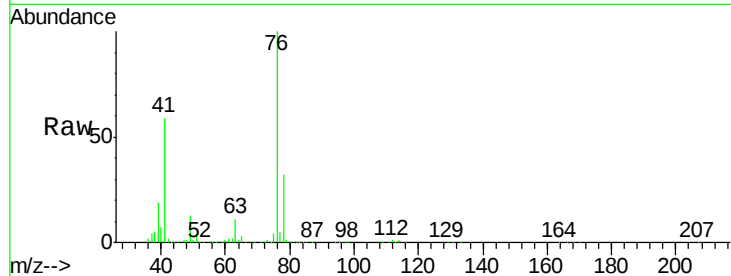
78 32.4 25.5 38.3

Manual Integrations

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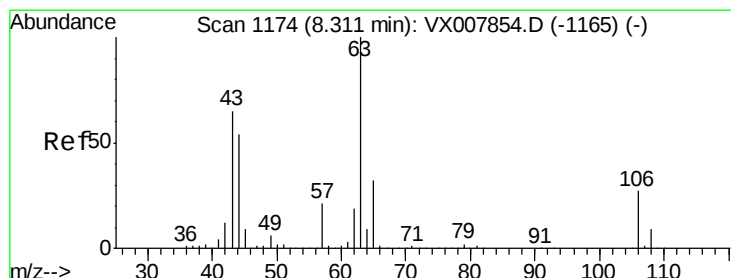
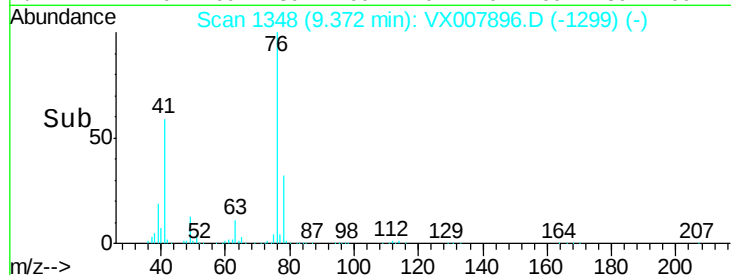
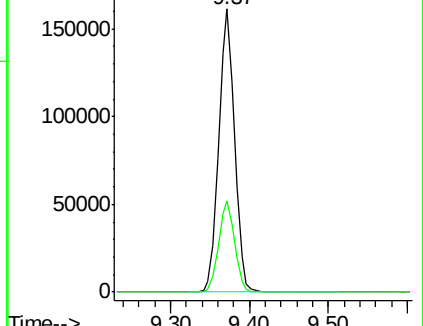
MMDadoda

3/8/2019 9:40:58 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 253.285 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007896.D

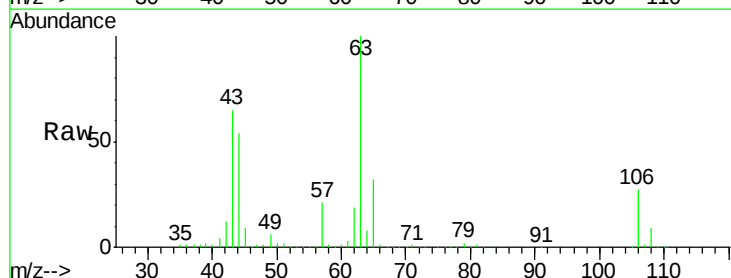
Acq: 07 Mar 2019 20:44

Tgt Ion: 63 Resp: 519586

Ion Ratio Lower Upper

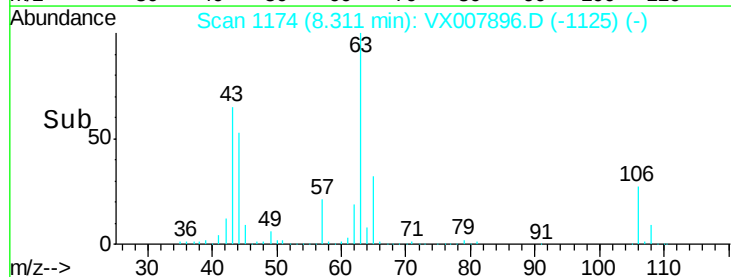
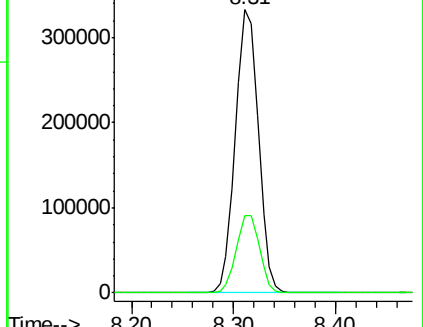
63 100

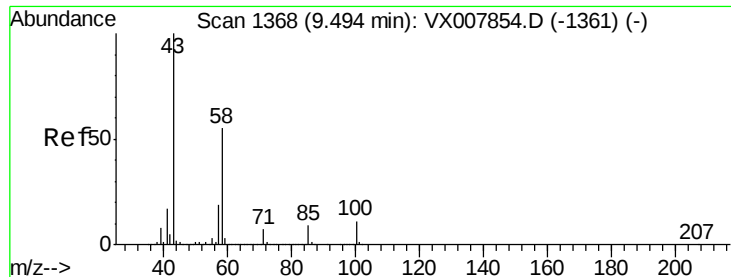
106 27.8 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





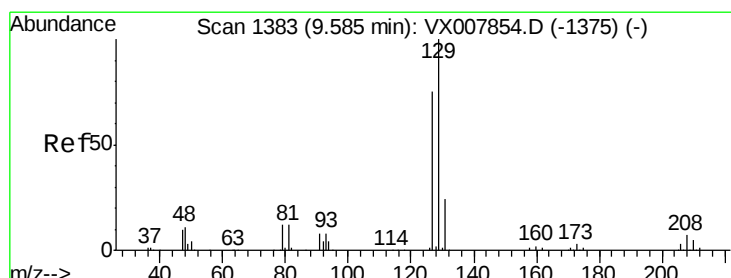
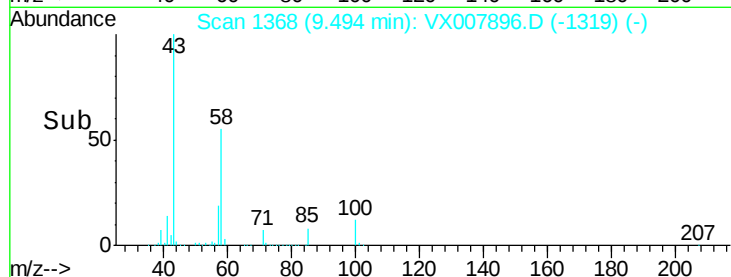
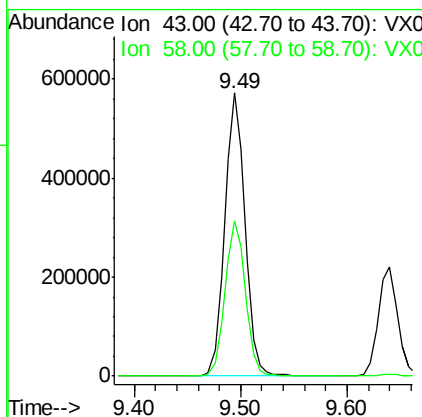
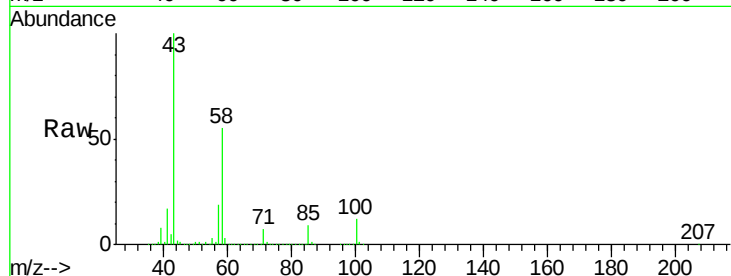
#59
2-Hexanone
Concen: 242.046 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	761929
Ion Ratio	43	100	
Lower	58	55.6	27.6
Upper			82.7

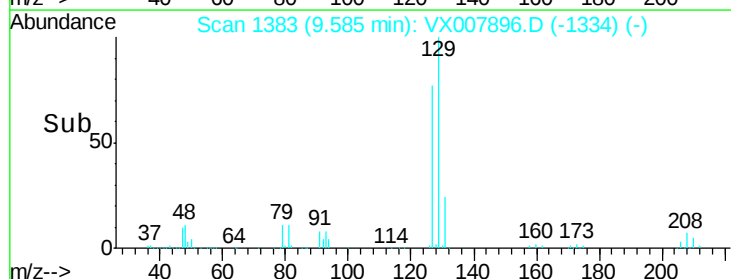
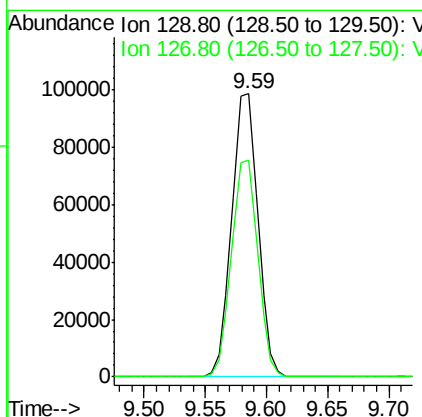
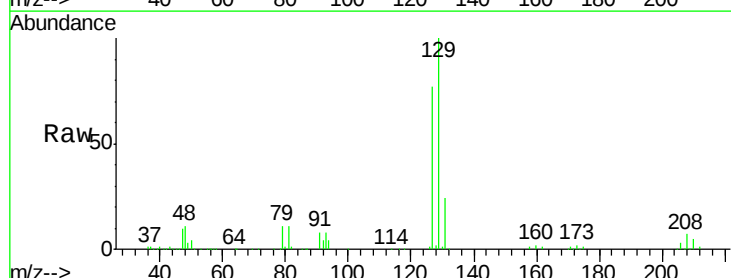
Manual Integrations
APPROVED

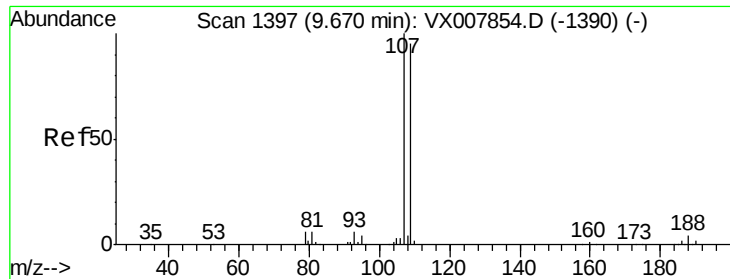
MMDadoda
3/8/2019 9:40:58 AM



#60
Dibromochloromethane
Concen: 52.939 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	129	Resp	146151
Ion Ratio	129	100	
Lower	127	77.0	38.3
Upper			114.8





#61

1,2-Dibromoethane

Concen: 50.929 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 142820

Ion Ratio Lower Upper

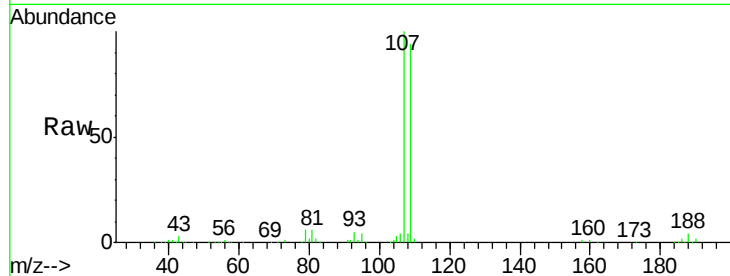
107 100

109 94.1 75.8 113.8

Manual Integrations
APPROVED

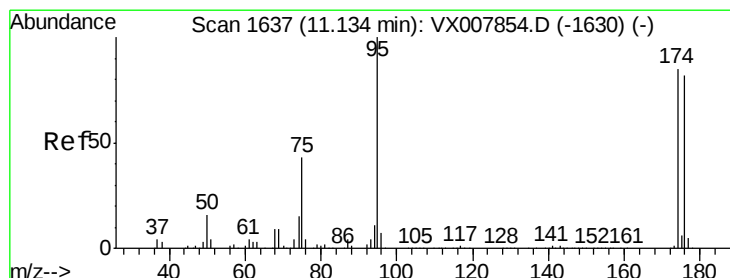
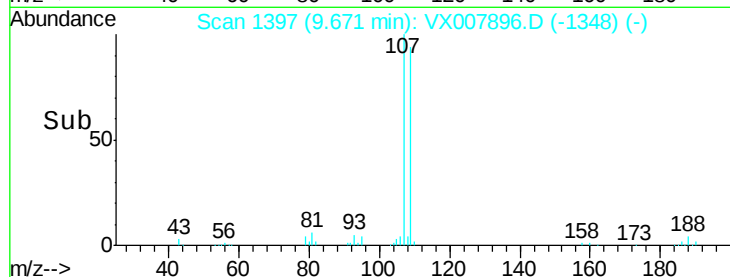
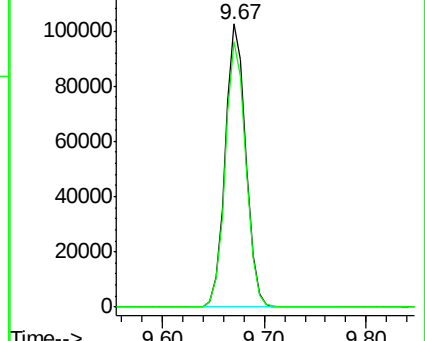
MMDadoda

3/8/2019 9:40:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.734 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

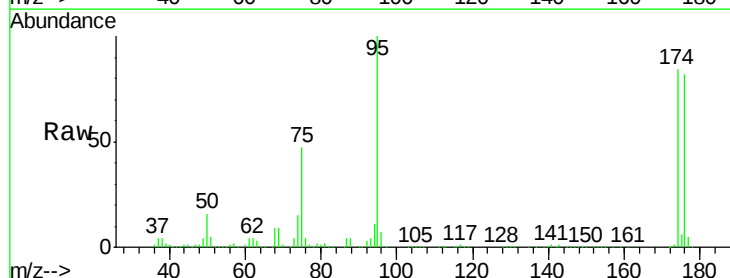
Tgt Ion: 95 Resp: 162399

Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.8

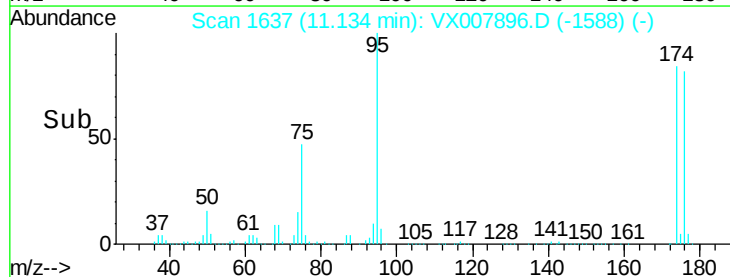
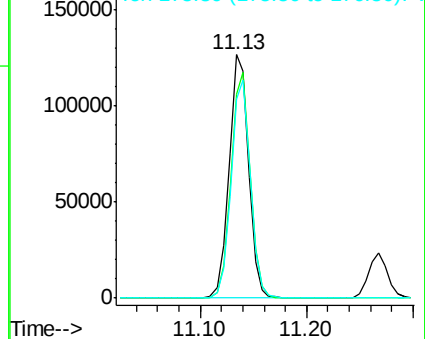
176 89.0 0.0 178.0

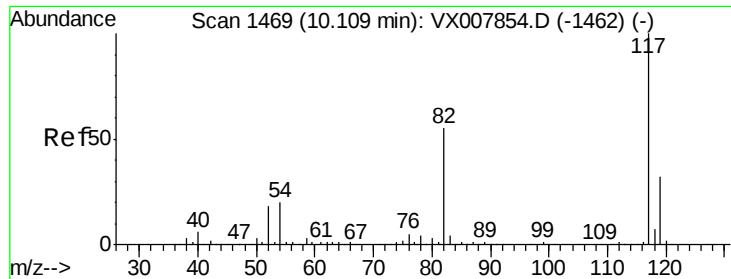


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





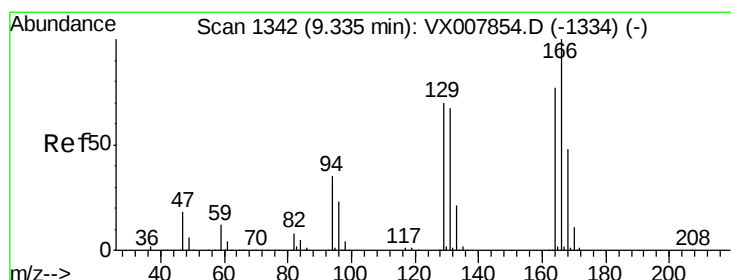
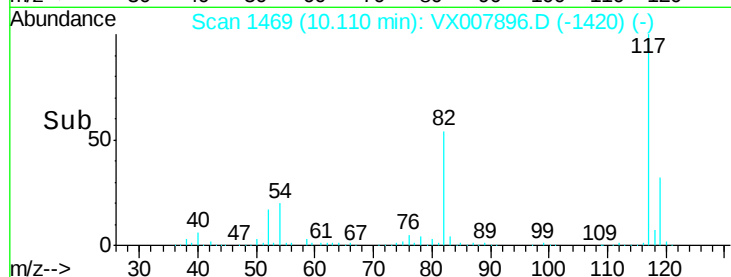
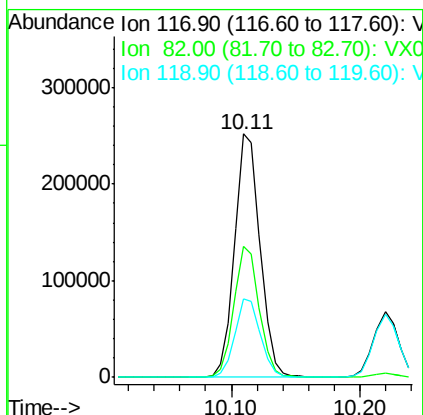
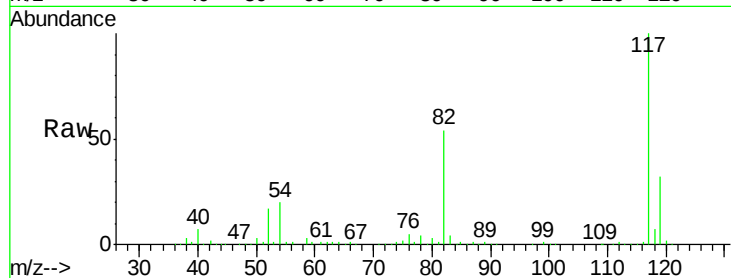
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.3	66.5
119	32.1	25.3	37.9

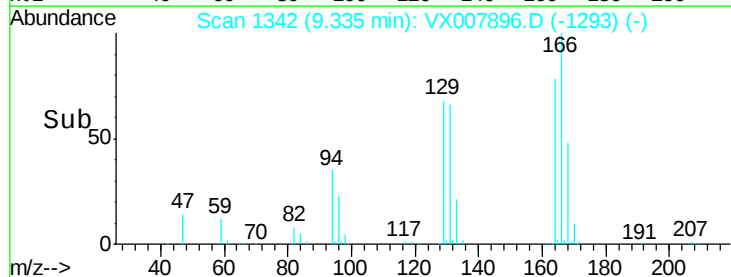
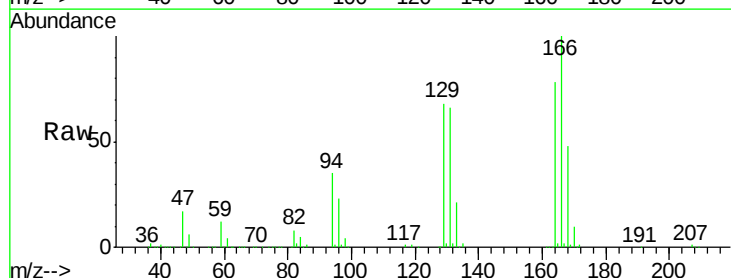
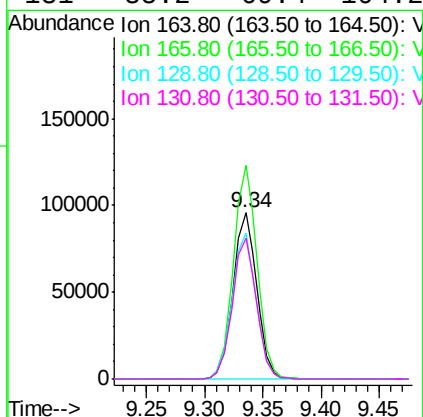
Manual Integrations
APPROVED

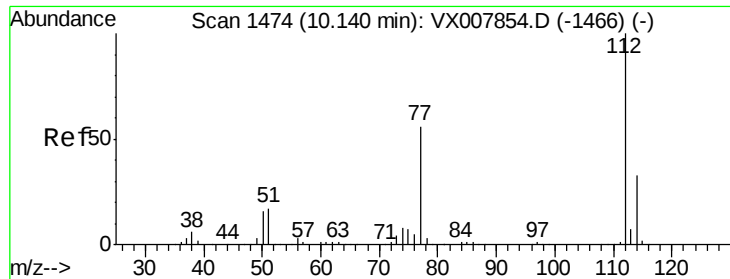
MMDadoda
3/8/2019 9:40:58 AM



#64
Tetrachloroethene
Concen: 47.352 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.4	155.0
129	88.1	72.2	108.4
131	85.2	69.4	104.2





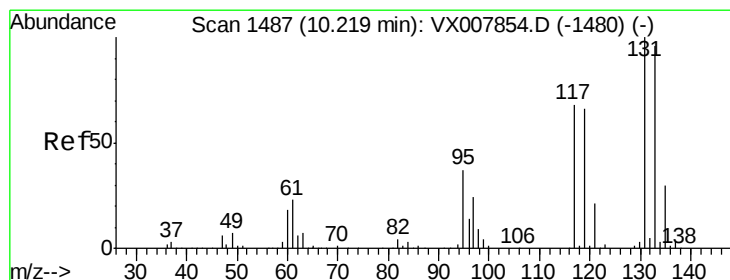
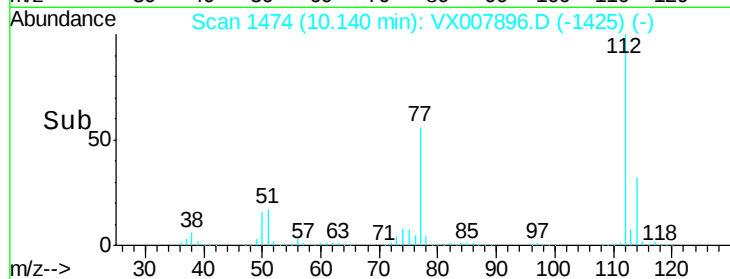
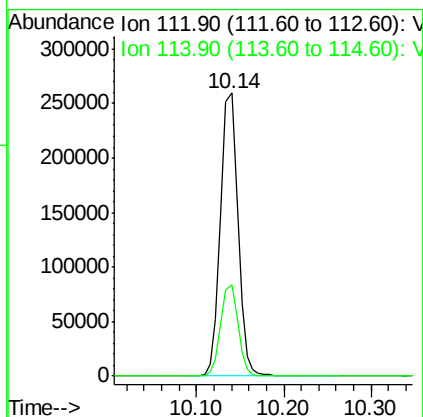
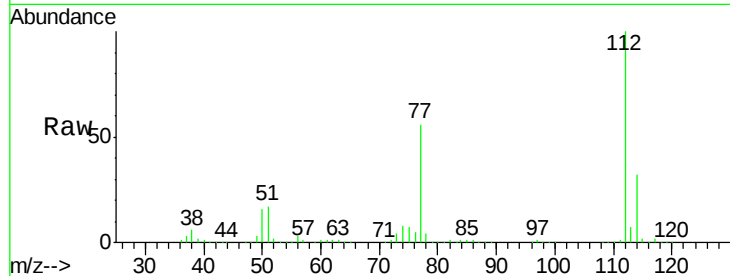
#65
Chlorobenzene
Concen: 49.483 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 360479
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0

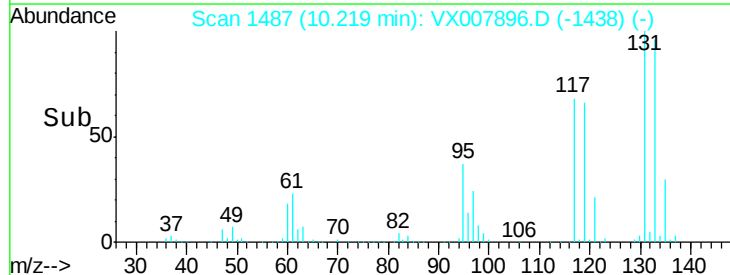
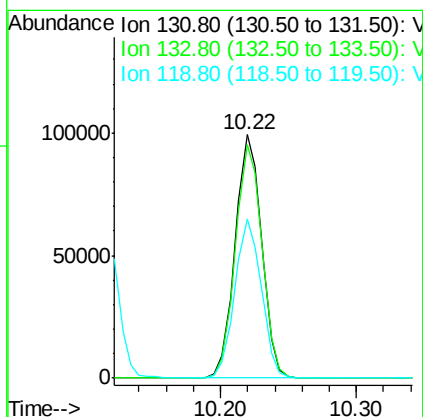
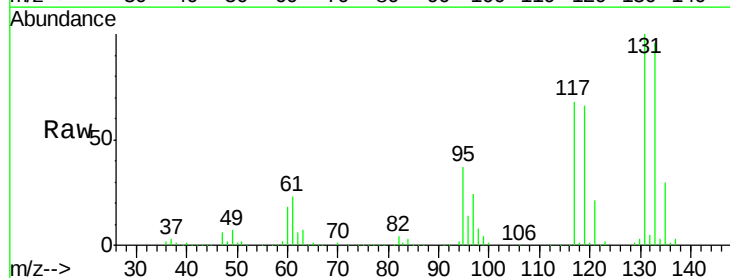
Manual Integrations
APPROVED

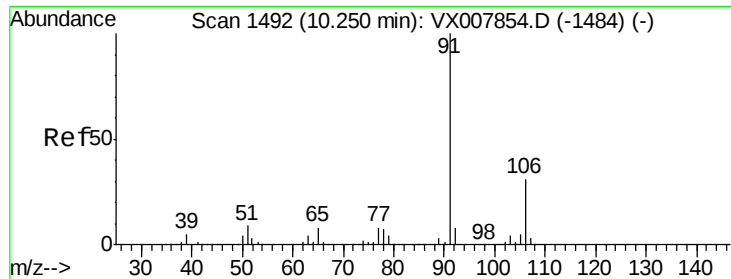
MMDadoda
3/8/2019 9:40:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.481 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion:131 Resp: 134413
Ion Ratio Lower Upper
131 100
133 96.4 47.8 143.3
119 65.4 32.5 97.5





#67

Ethyl Benzene

Concen: 50.864 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 609942

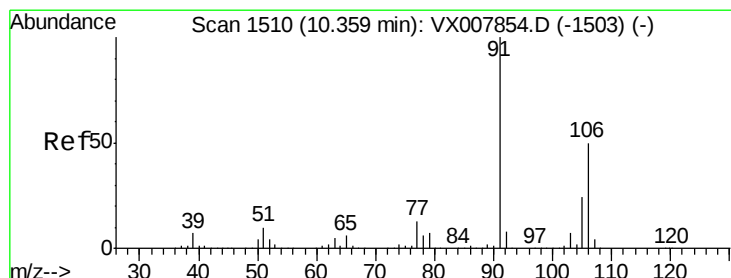
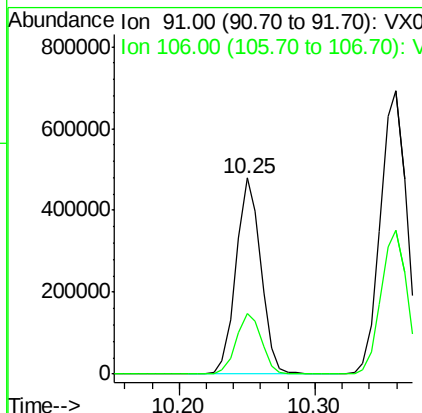
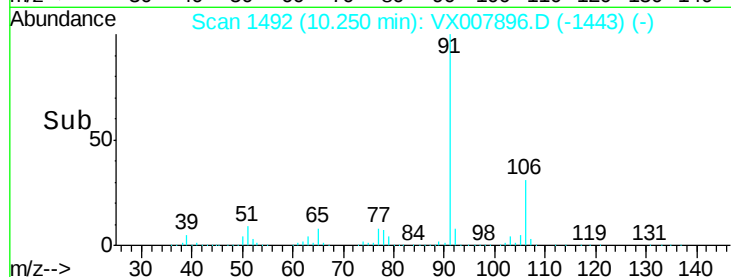
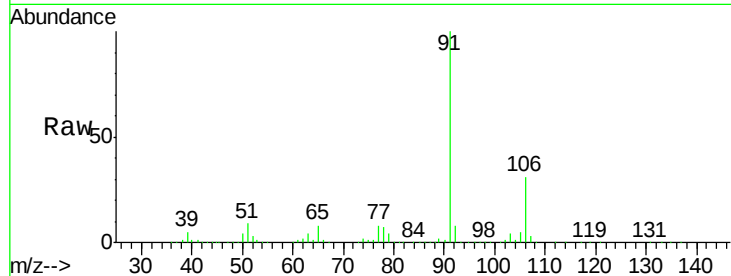
Ion Ratio Lower Upper

91 100

106 31.2 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:40:58 AM



#68

m/p-Xylenes

Concen: 102.032 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007896.D

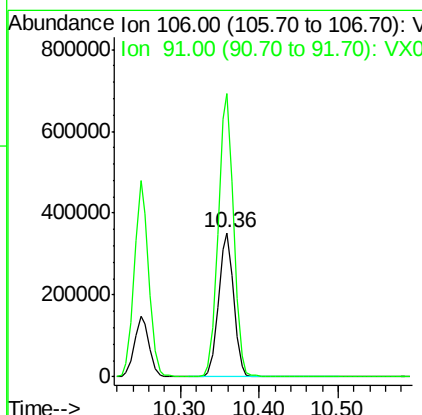
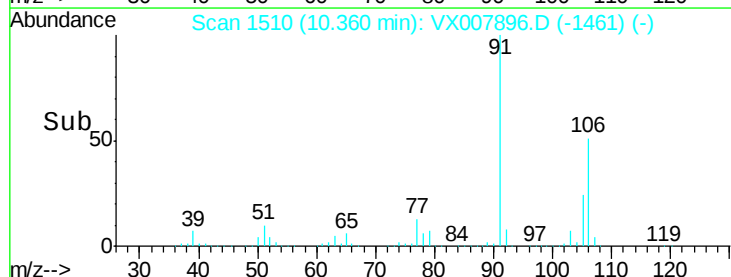
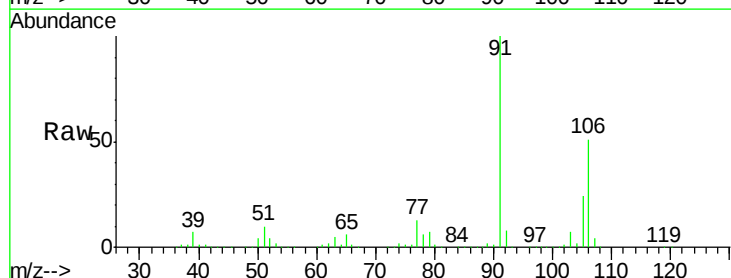
Acq: 07 Mar 2019 20:44

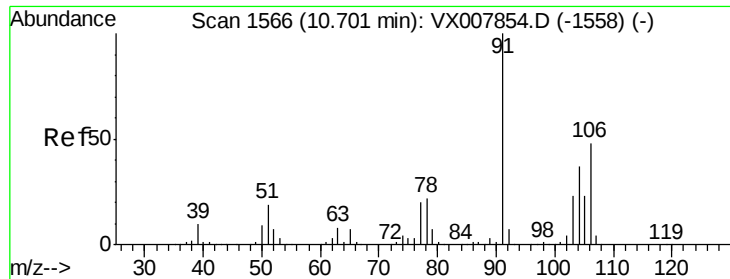
Tgt Ion: 106 Resp: 471615

Ion Ratio Lower Upper

106 100

91 199.0 159.8 239.6





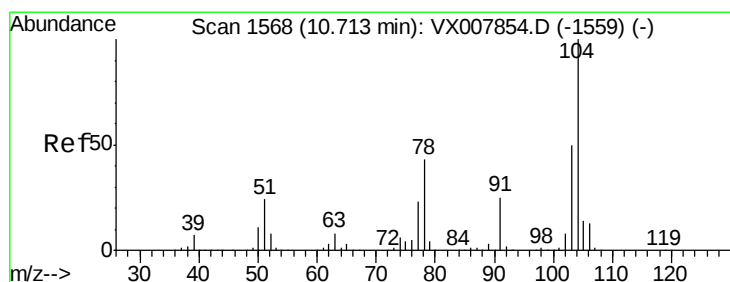
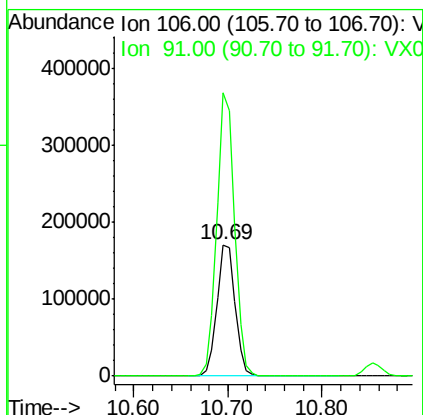
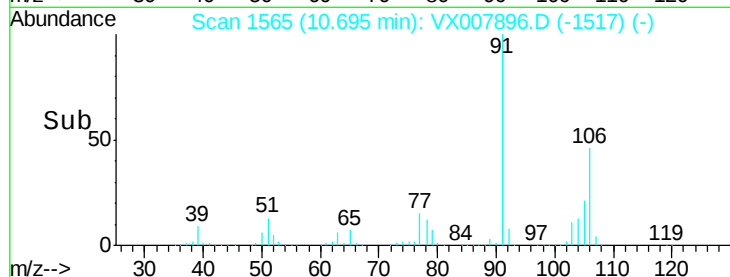
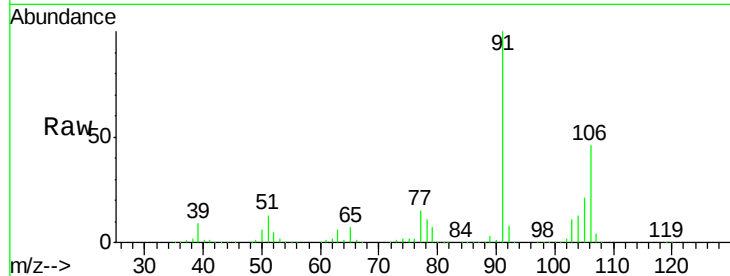
#69
o-Xylene
Concen: 51.248 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 228691
Ion Ratio Lower Upper
106 100
91 211.6 106.3 318.9

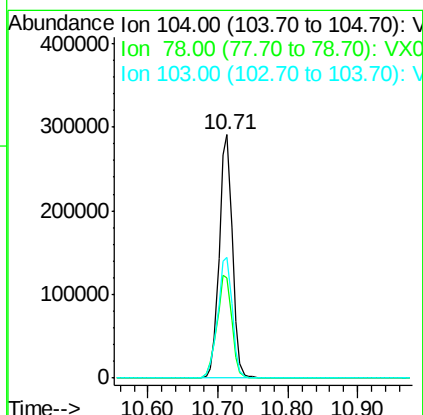
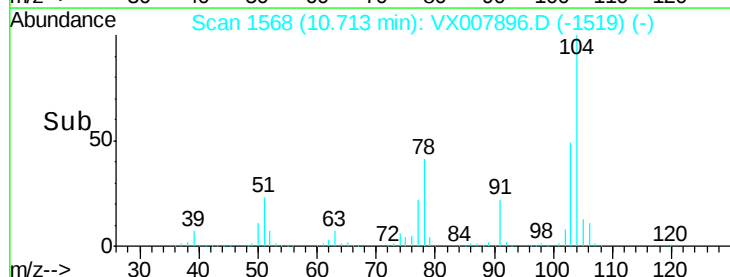
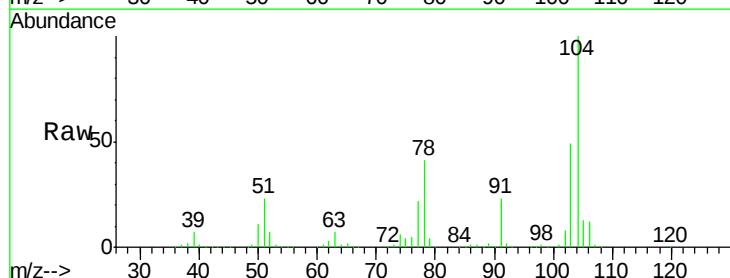
Manual Integrations
APPROVED

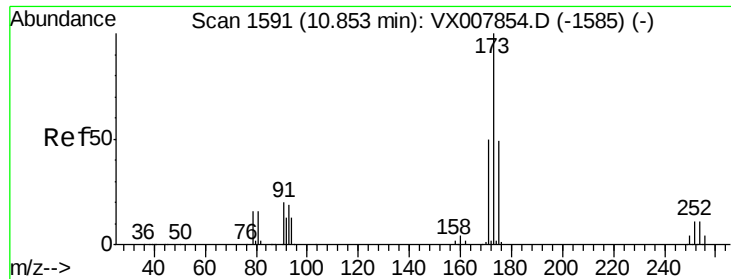
MMDadoda
3/8/2019 9:40:58 AM



#70
Styrene
Concen: 52.153 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion:104 Resp: 380835
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 54.9 44.1 66.1





#71

Bromoform

Concen: 52.095 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 116807

Ion Ratio Lower Upper

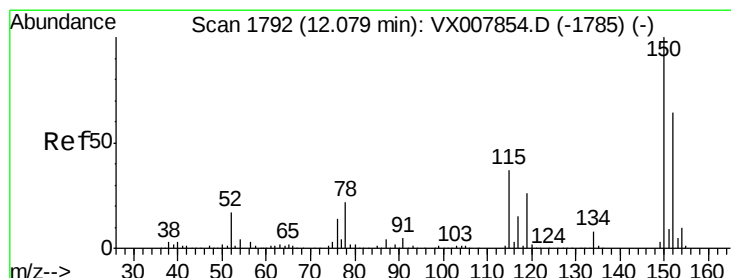
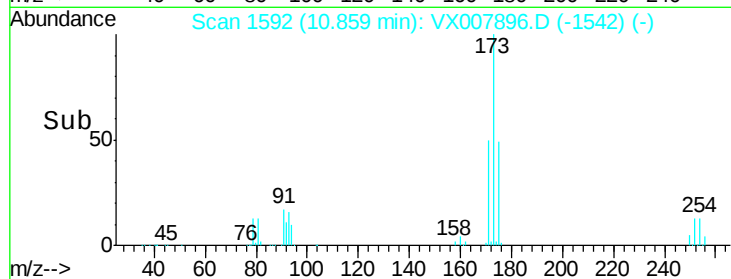
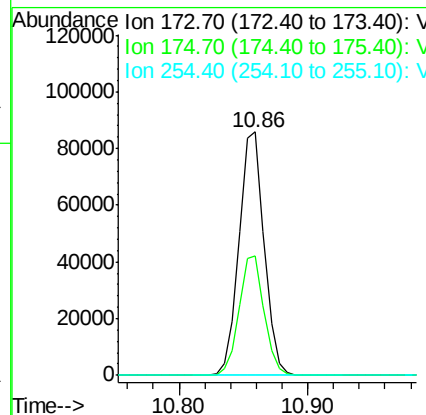
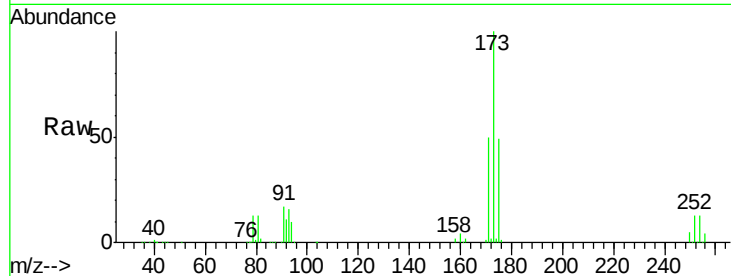
173 100

175 48.8 24.3 72.9

254 0.2 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:40:58 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

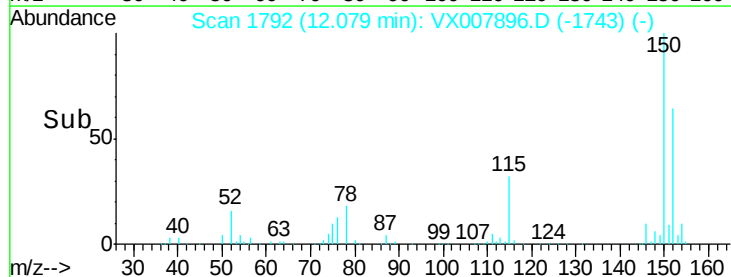
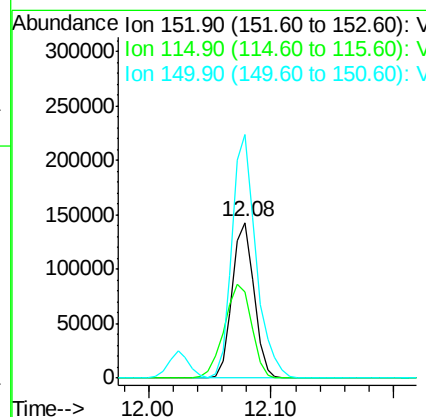
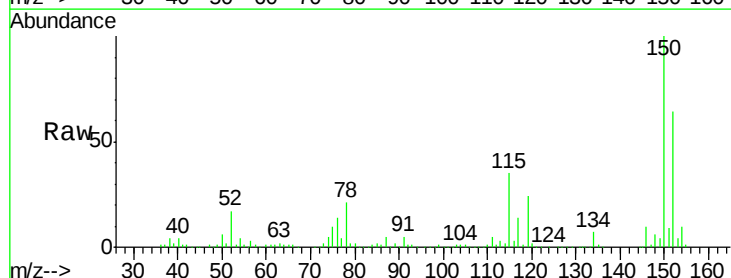
Tgt Ion:152 Resp: 175176

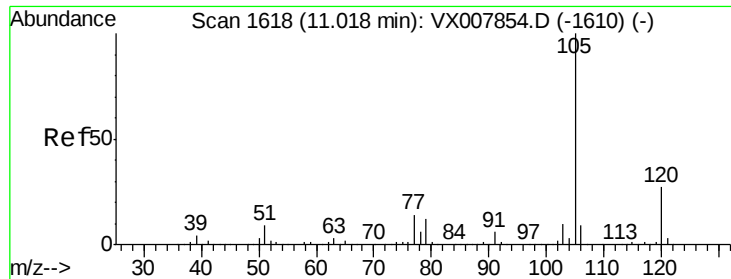
Ion Ratio Lower Upper

152 100

115 76.6 38.6 115.7

150 172.6 0.0 348.4





#73

Isopropylbenzene

Concen: 51.176 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 606299

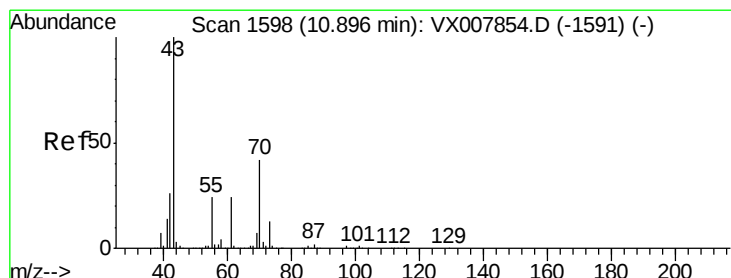
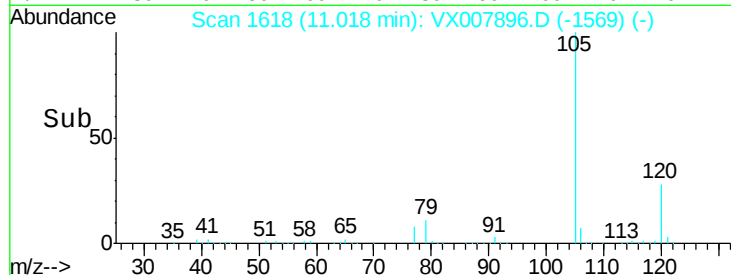
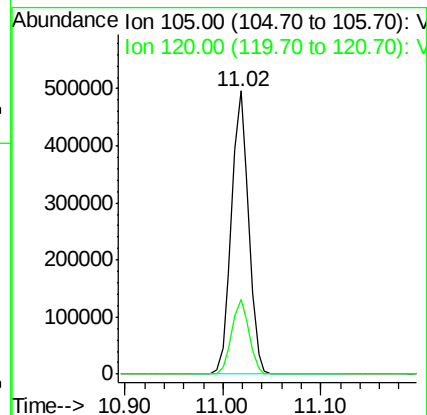
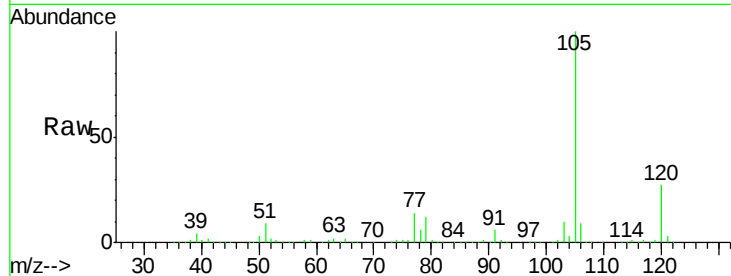
Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1

Manual Integrations
APPROVED

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3/8/2019 9:40:58 AM



#74

N-ethyl acetate

Concen: 51.039 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Tgt Ion: 43 Resp: 276051

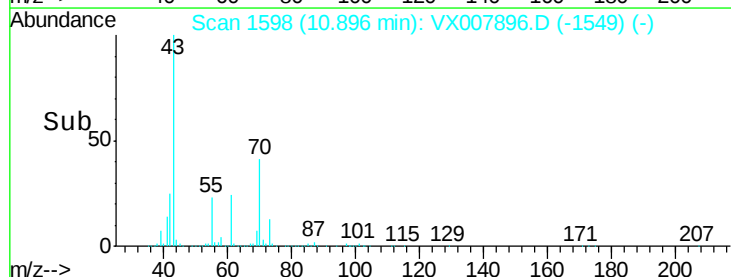
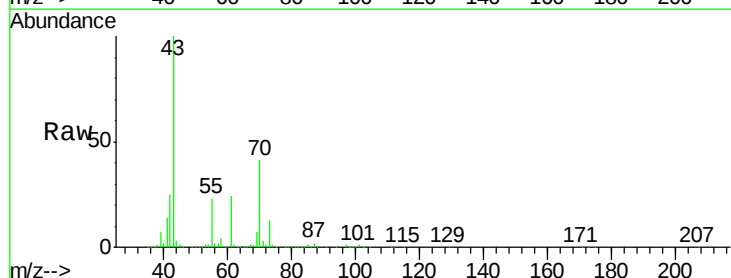
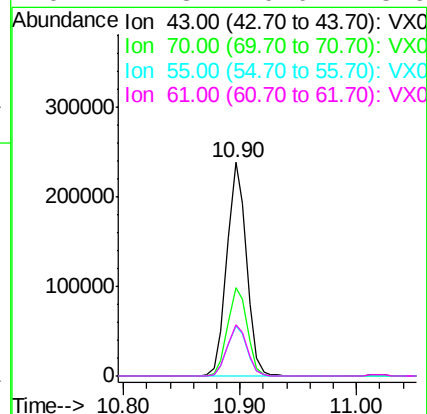
Ion Ratio Lower Upper

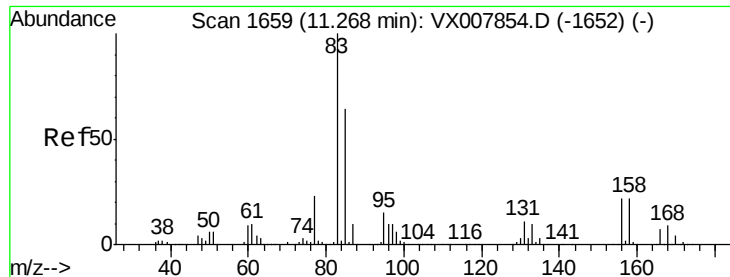
43 100

70 42.0 33.5 50.3

55 24.3 19.2 28.8

61 24.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.684 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

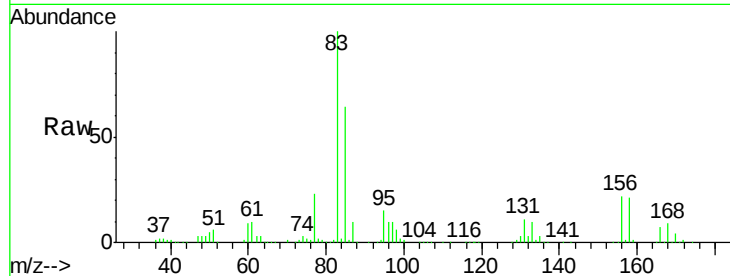
ClientSampleId :

VSTDCCC050EC

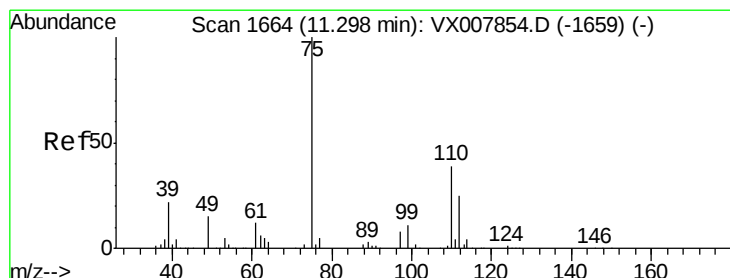
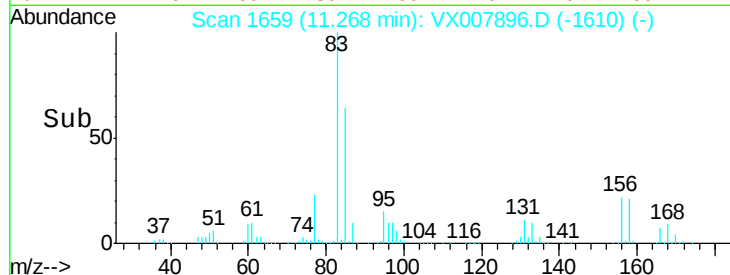
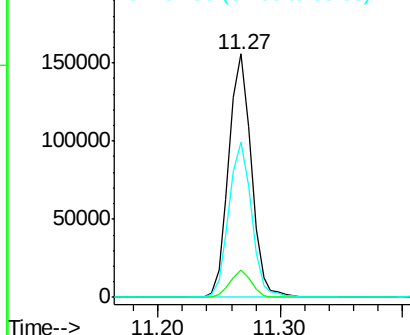
Tot Ion:	83	Resp:	198955
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	64.5	32.3	96.8

Manual Integrations
APPROVED

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3/8/2019 9:40:58 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.777 ug/l m

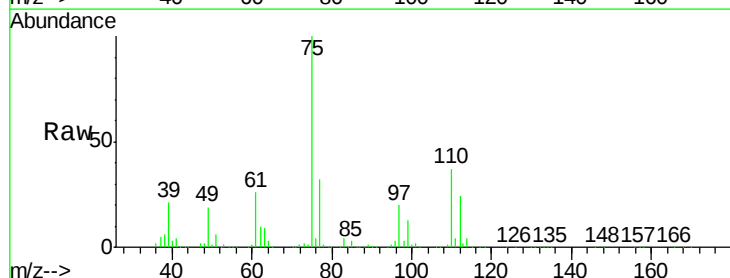
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

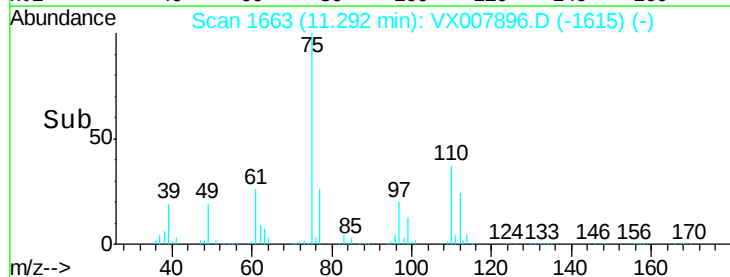
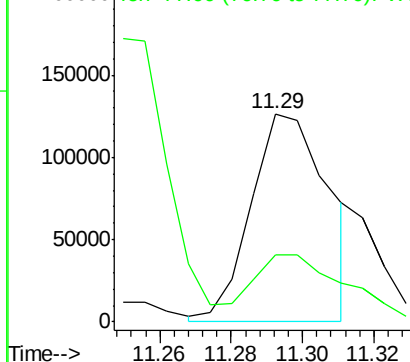
Lab File: VX007896.D

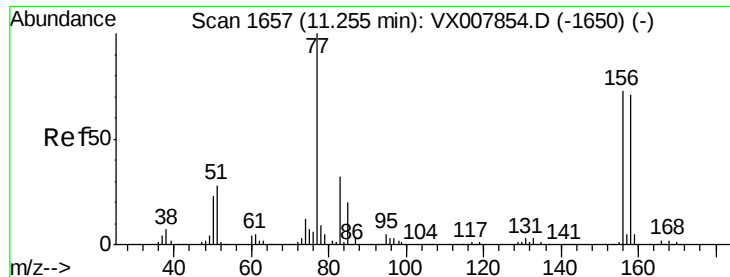
Acq: 07 Mar 2019 20:44

Tgt Ion:	75	Resp:	190327
Ion Ratio	Lower	Upper	
75	100		
77	39.9	18.9	56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.411 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 160495

Ion Ratio Lower Upper

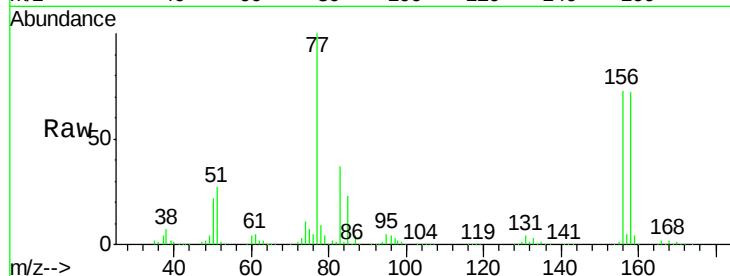
156 100

77 143.8 72.0 215.9

158 97.8 48.6 145.9

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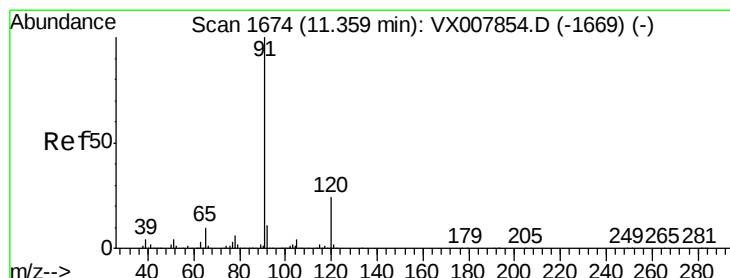
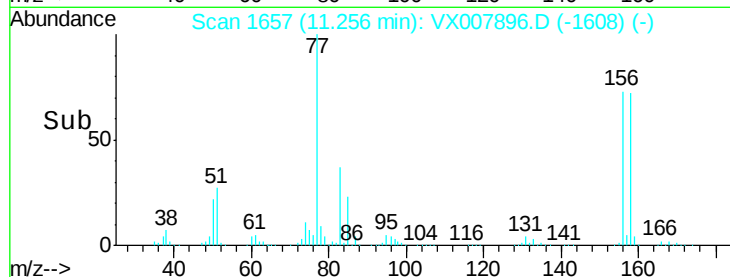
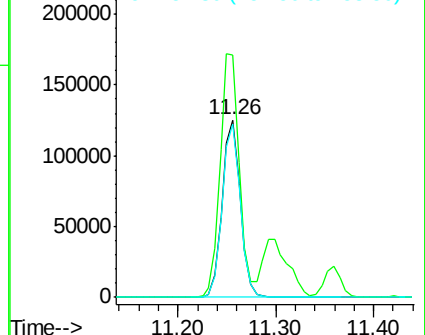
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3/8/2019 9:40:58 AM



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: 52.131 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007896.D

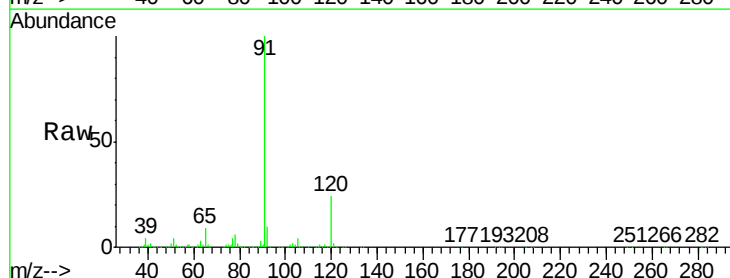
Acq: 07 Mar 2019 20:44

Tgt Ion: 91 Resp: 685178

Ion Ratio Lower Upper

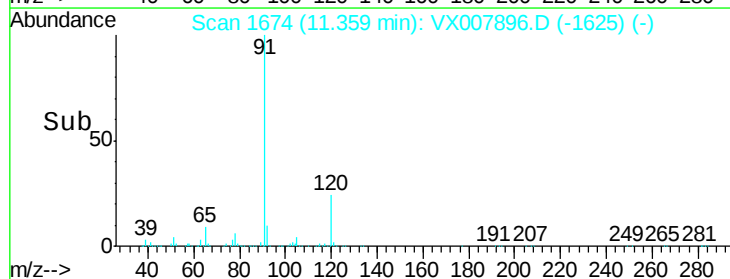
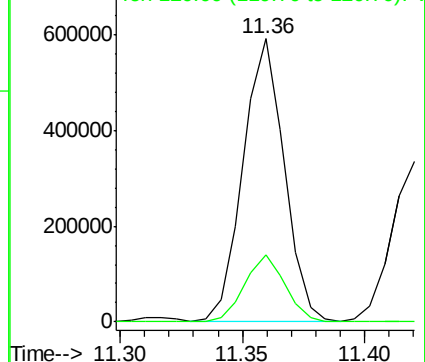
91 100

120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.373 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 404802

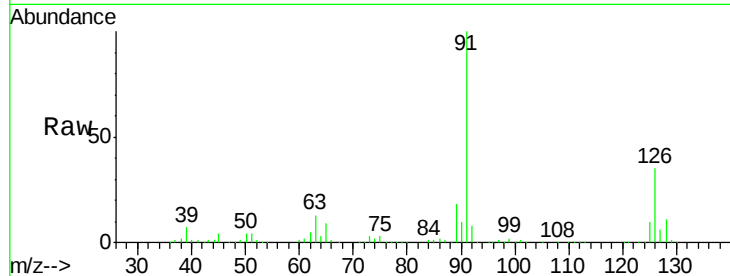
Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VX007854.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007854.D (-1679) (-)

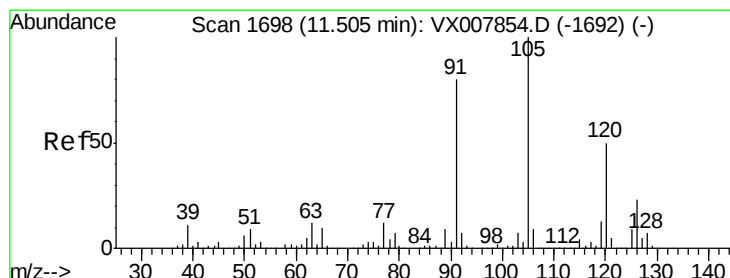
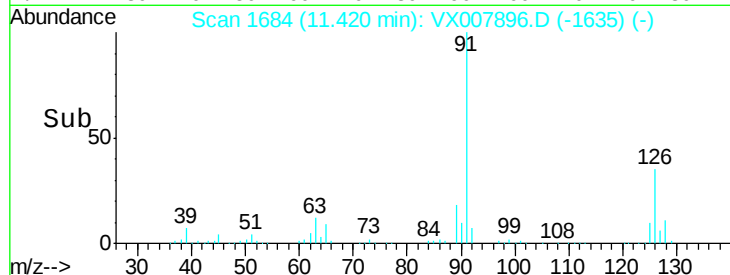
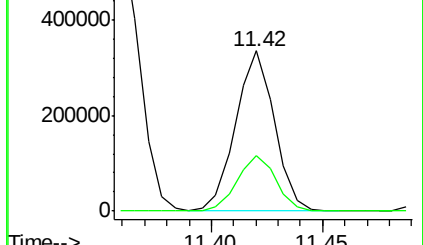
600000

400000

200000

0

11.40 11.42 11.44



#80

1,3,5-Trimethylbenzene

Concen: 51.560 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007896.D

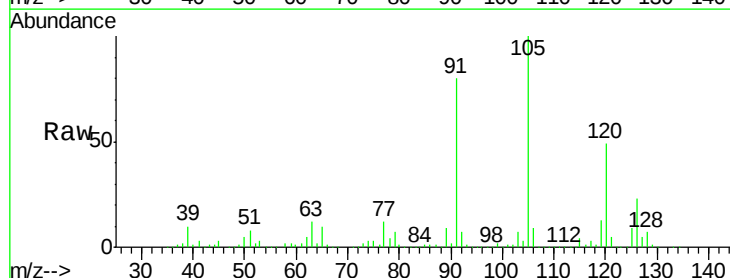
Acq: 07 Mar 2019 20:44

Tgt Ion: 105 Resp: 502762

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX007854.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007854.D (-1692) (-)

500000

400000

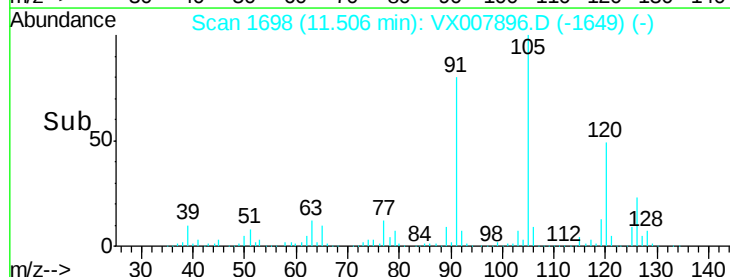
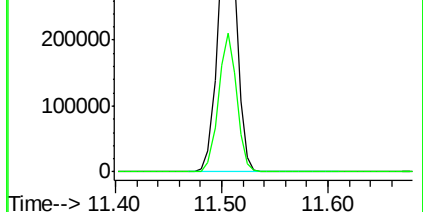
300000

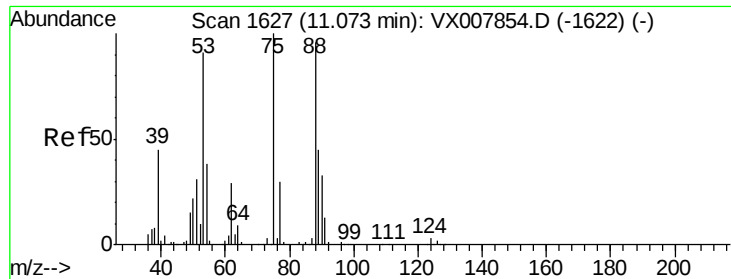
200000

100000

0

11.40 11.50 11.60





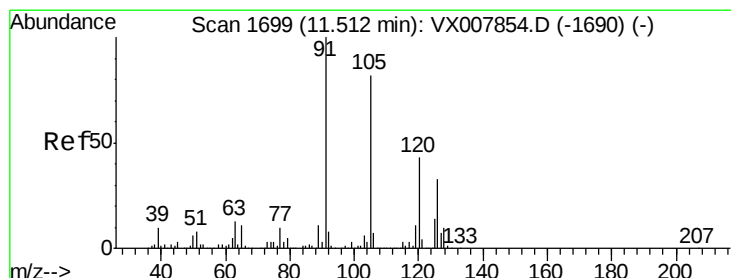
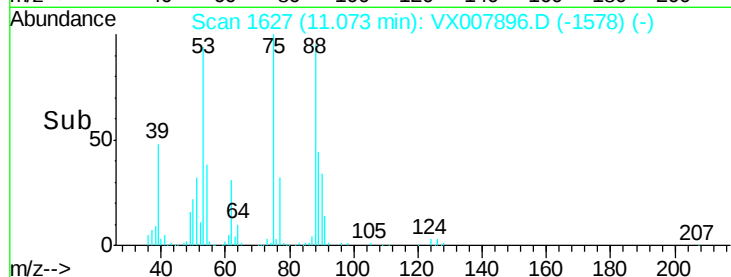
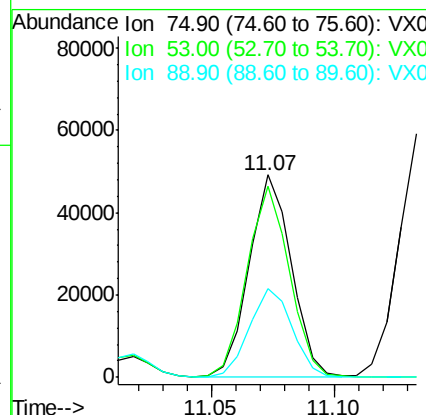
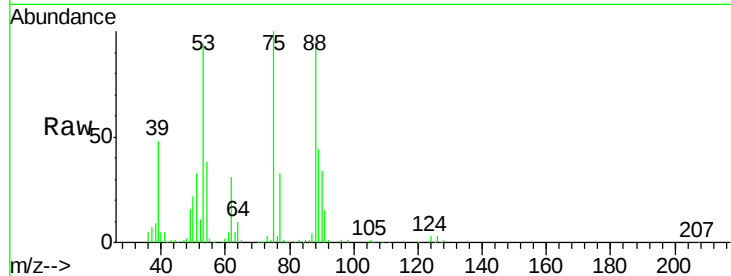
#81
trans-1,4-Dichloro-2-butene
Concen: 51.061 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.5	76.1	114.1
89	45.0	36.3	54.5

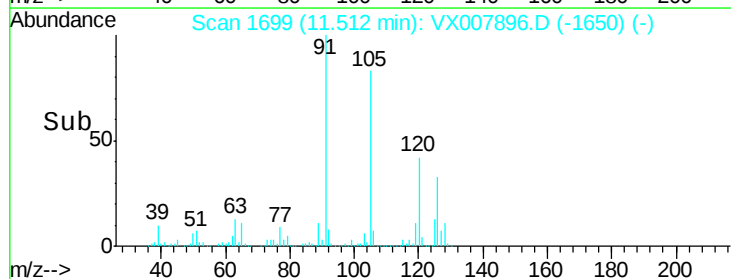
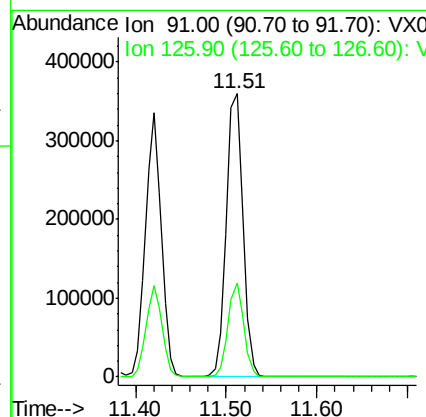
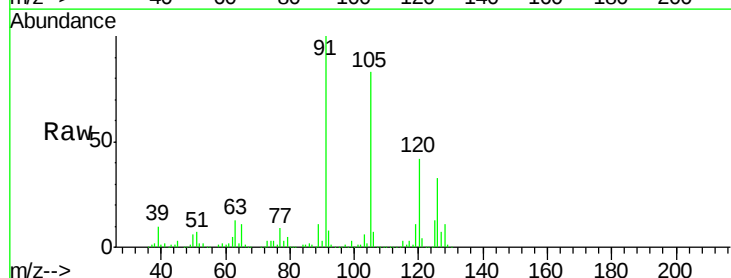
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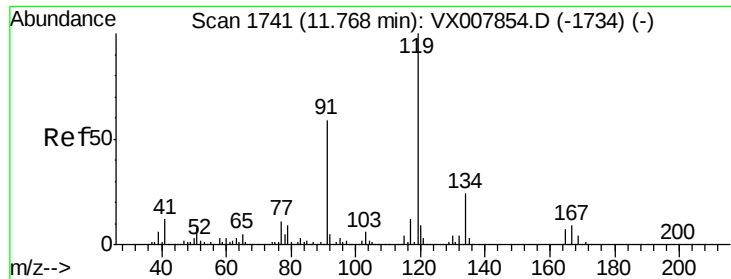
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#82
4-Chlorotoluene
Concen: 50.330 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





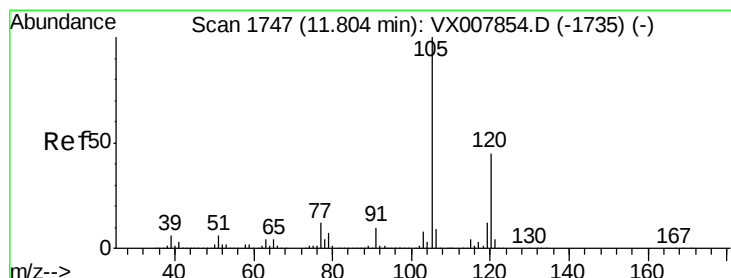
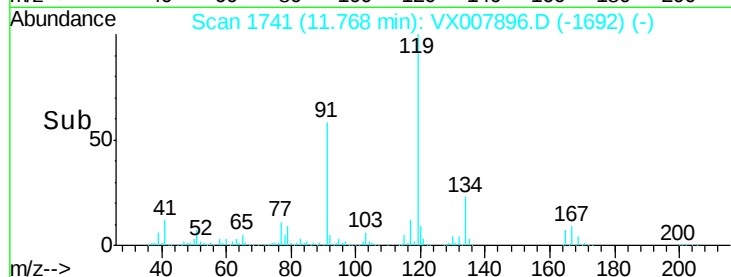
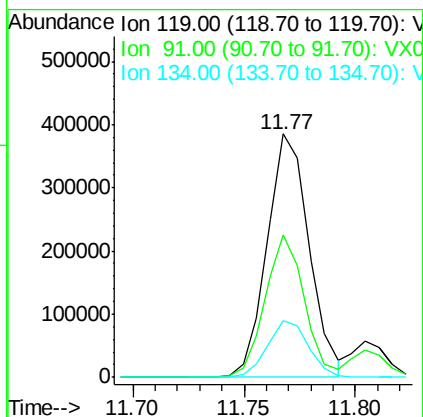
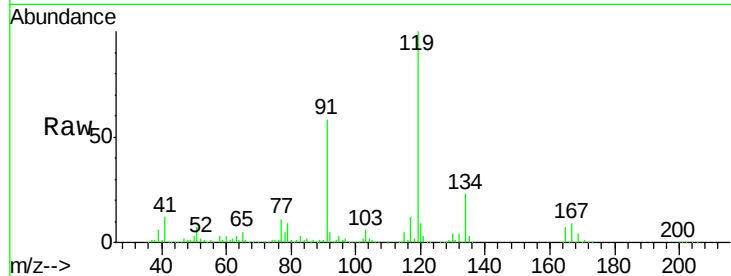
#83
 tert-Butylbenzene
 Concen: 51.373 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	504597		
91	54.7	27.1	81.3	
134	22.9	11.4	34.1	

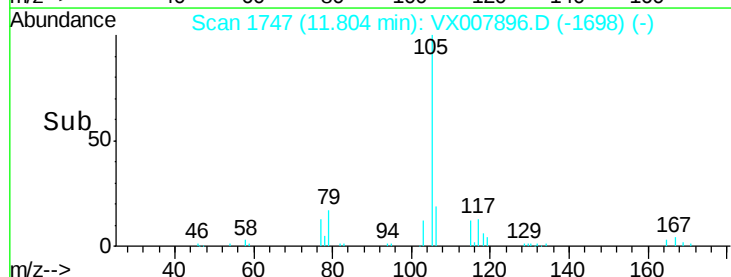
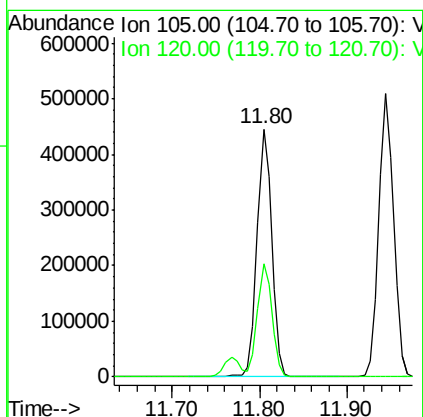
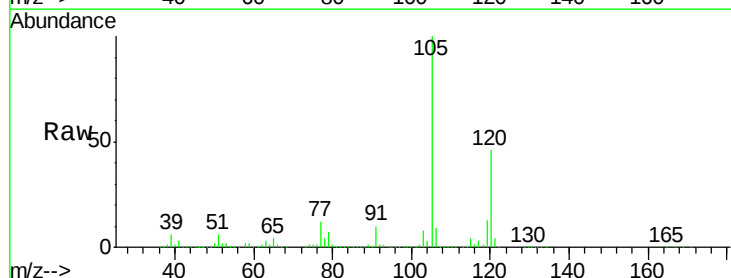
Manual Integrations
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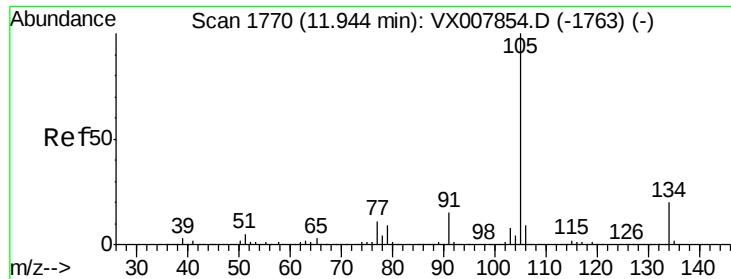
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.670 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	516497		
120	45.0	22.6	67.7	





#85

sec-Butylbenzene

Concen: 52.130 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 603043

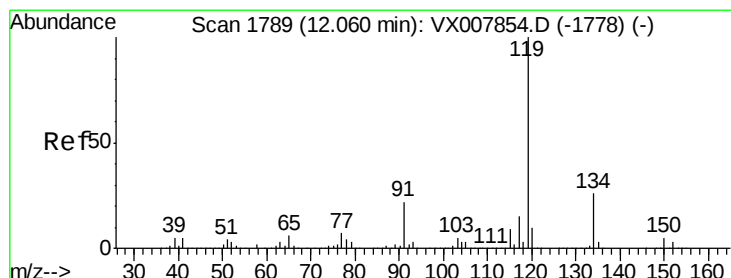
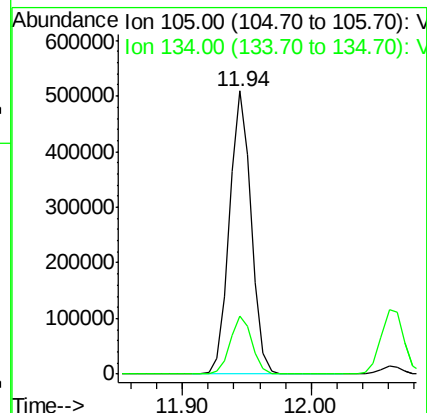
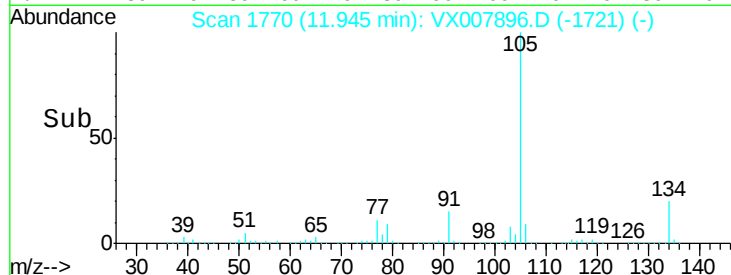
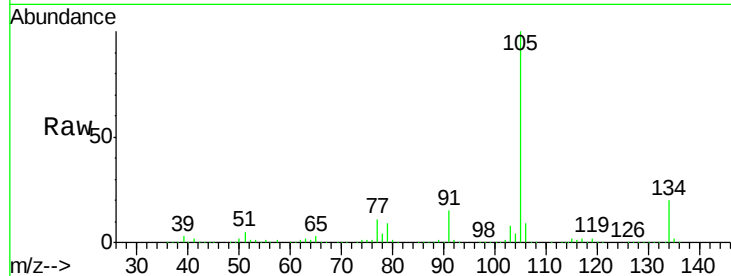
Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 52.234 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007896.D

Acq: 07 Mar 2019 20:44

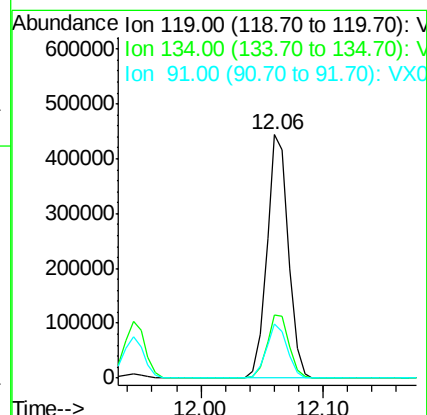
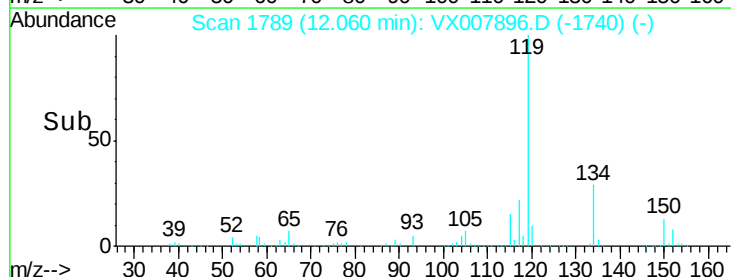
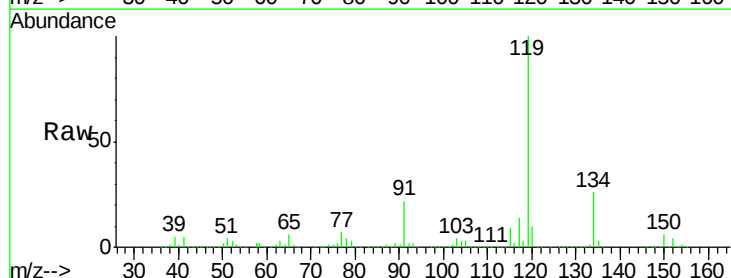
Tgt Ion:119 Resp: 541151

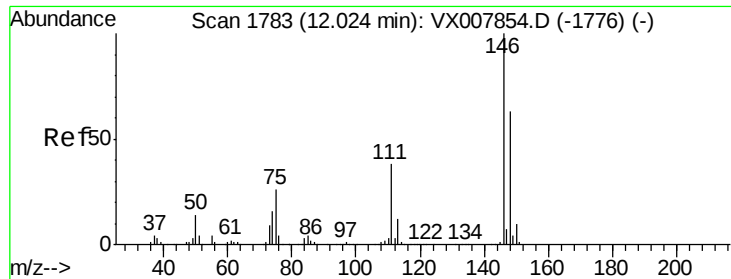
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 21.9 10.9 32.7





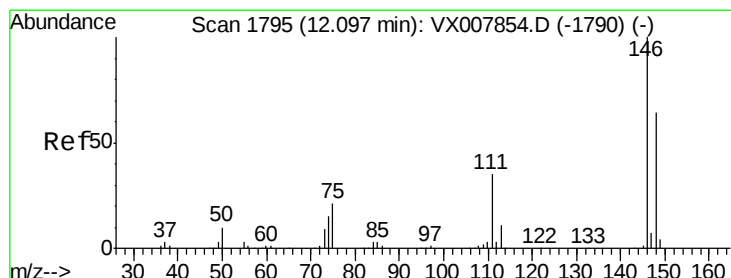
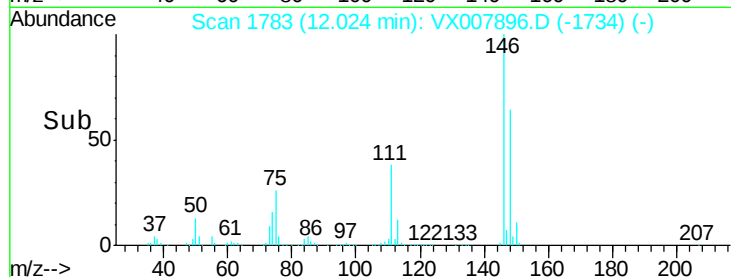
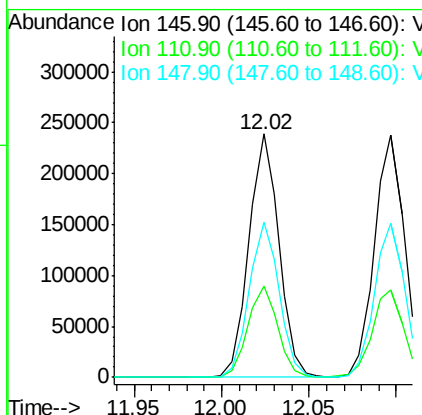
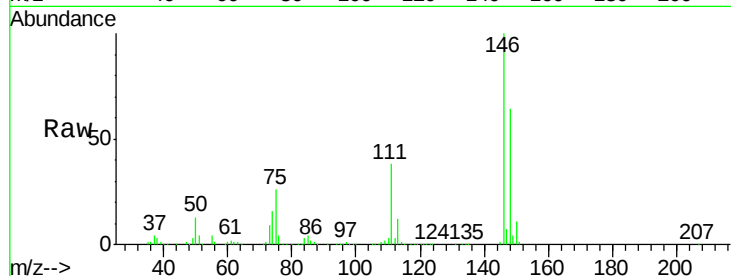
#87
 1,3-Dichlorobenzene
 Concen: 49.813 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.7
148	63.9	31.7	95.1

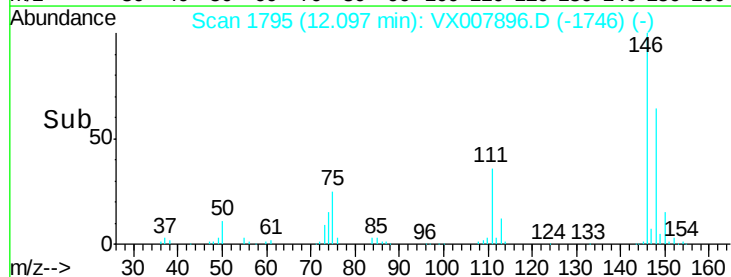
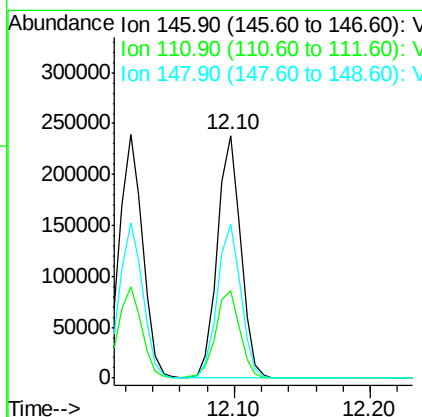
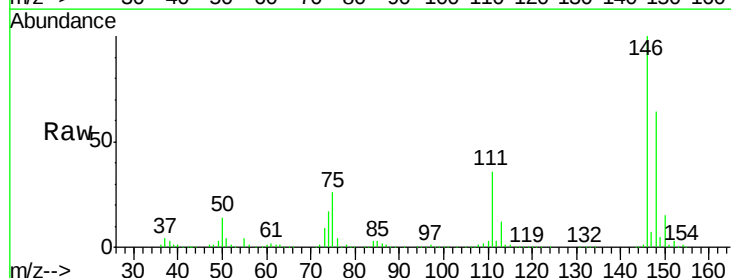
Manual Integrations
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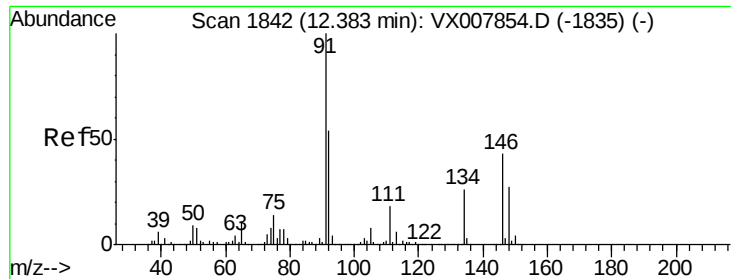
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#88
 1,4-Dichlorobenzene
 Concen: 48.470 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.0
148	63.9	32.2	96.6





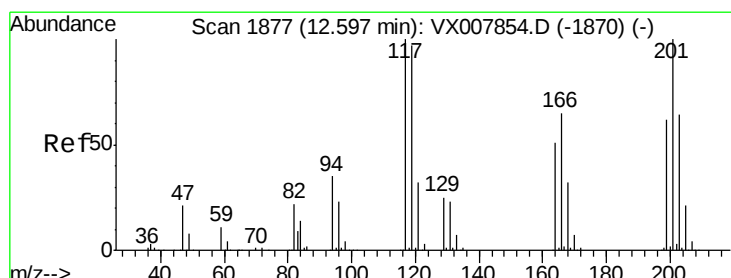
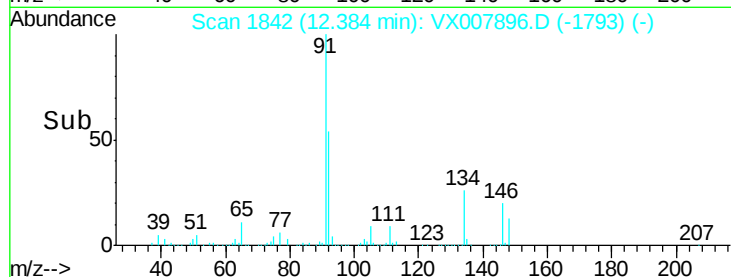
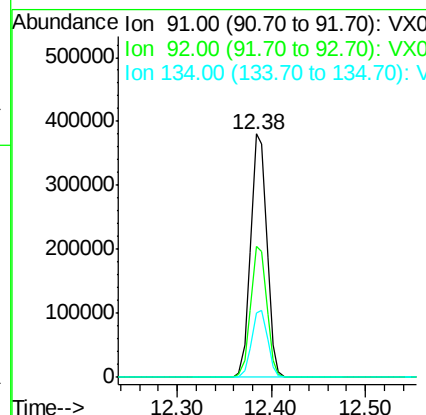
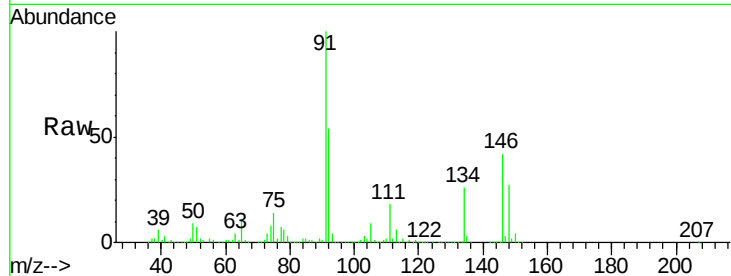
#89
n-Butylbenzene
Concen: 51.959 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.0	80.8
134	27.7	13.7	41.0

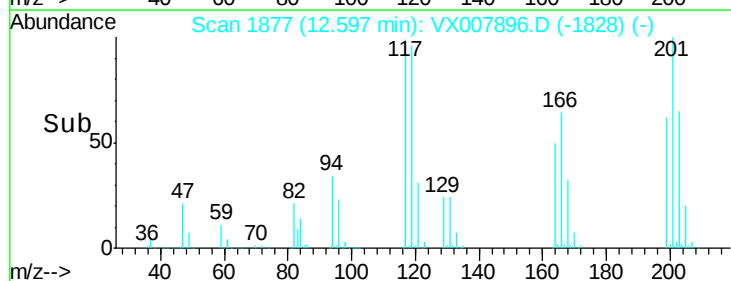
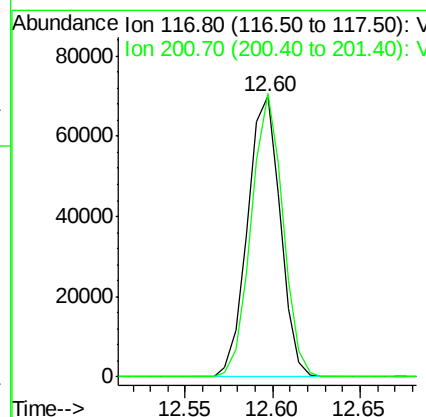
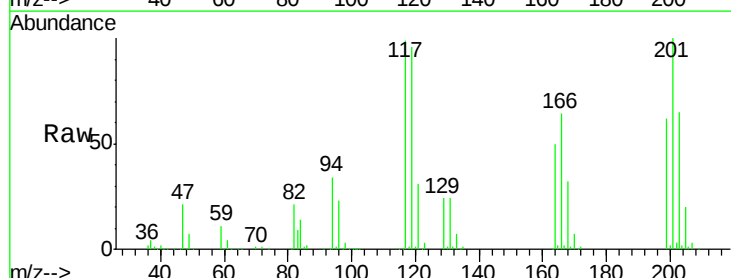
Manual Integrations
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#90
Hexachloroethane
Concen: 52.794 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.3	48.9	146.7





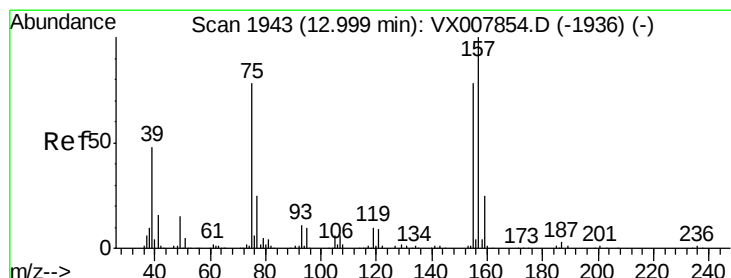
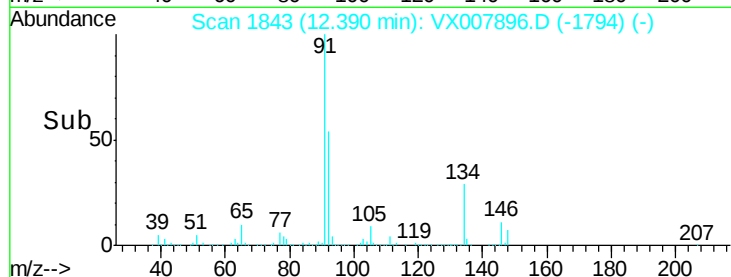
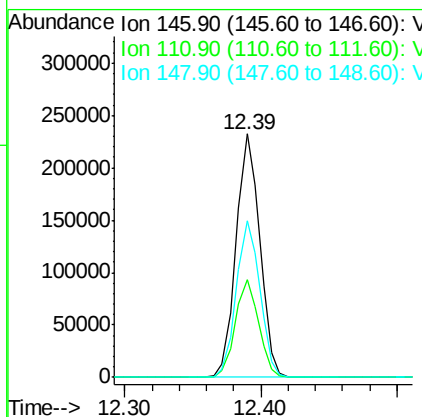
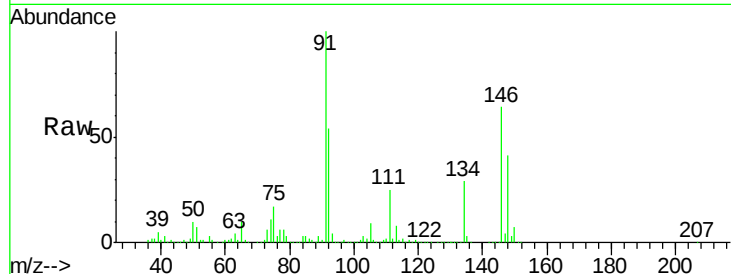
#91
 1,2-Dichlorobenzene
 Concen: 49.412 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.8
148	64.3	31.9	95.5

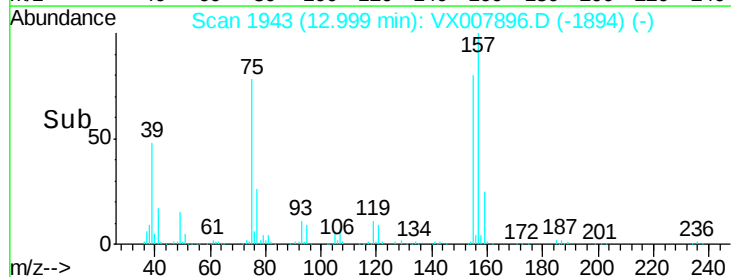
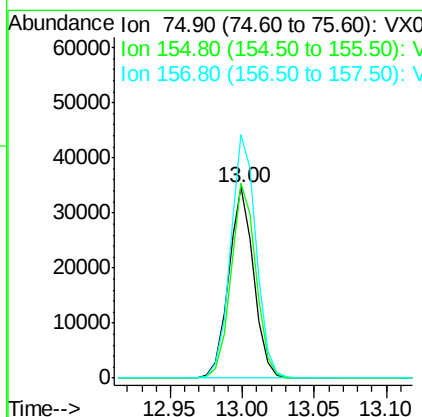
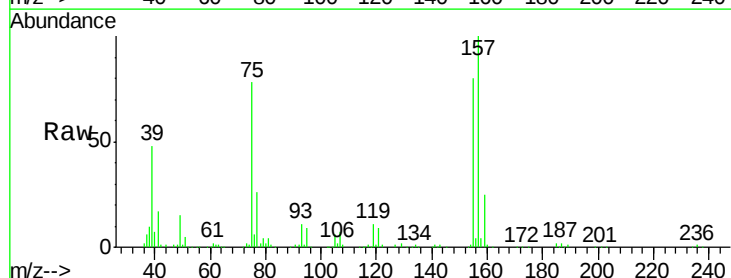
Manual Integrations
 APPROVED

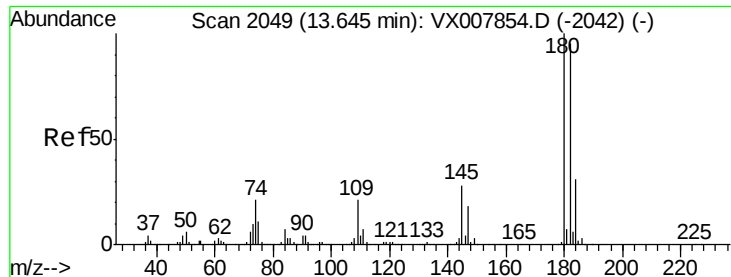
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.429 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.6	49.7	149.1
157	130.3	63.8	191.4





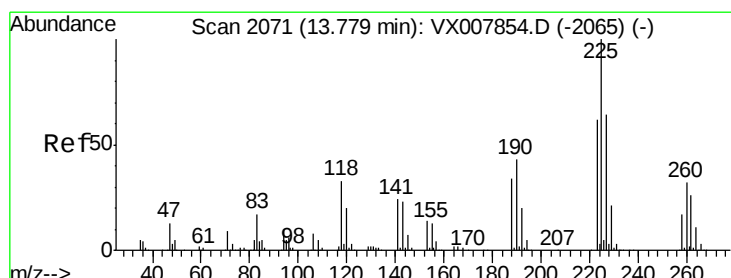
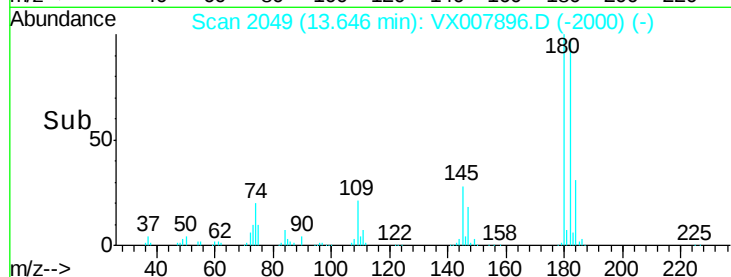
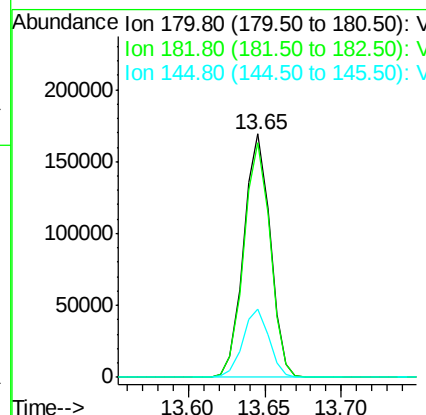
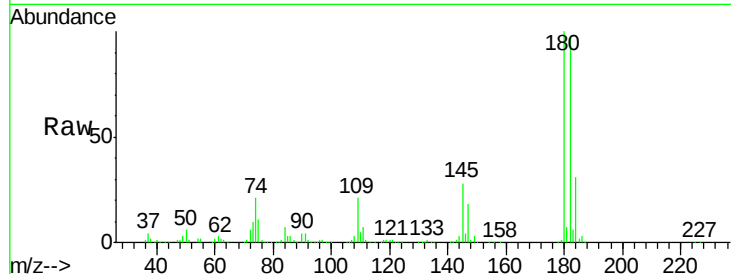
#93
 1,2,4-Trichlorobenzene
 Concen: 50.641 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	28.0	14.1	42.4

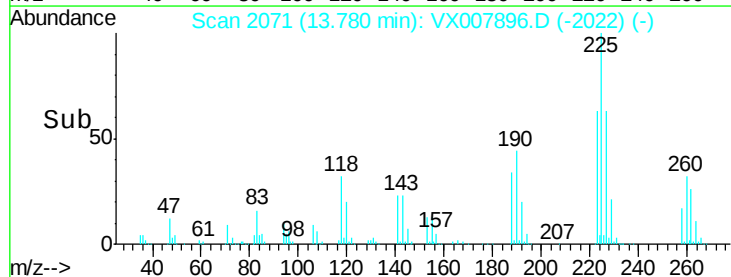
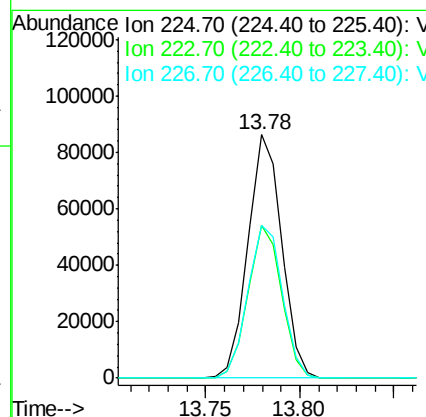
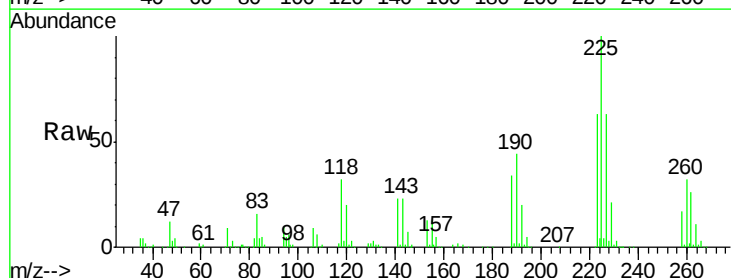
Manual Integrations
 APPROVED

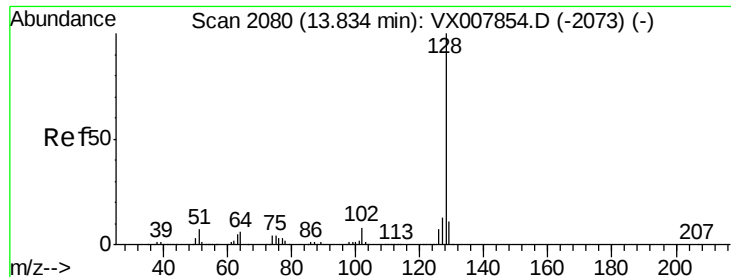
MMDadoda
 3/8/2019 9:40:58 AM



#94
 Hexachlorobutadiene
 Concen: 51.061 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007896.D
 Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.1	93.2
227	64.6	32.0	96.0





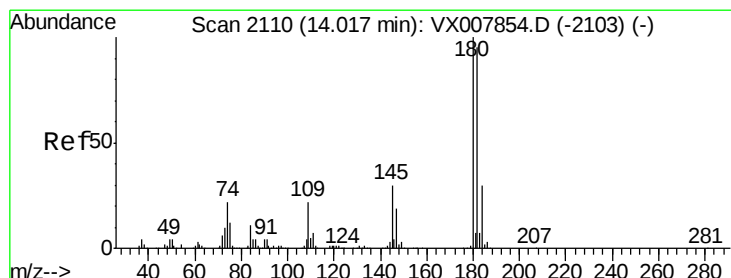
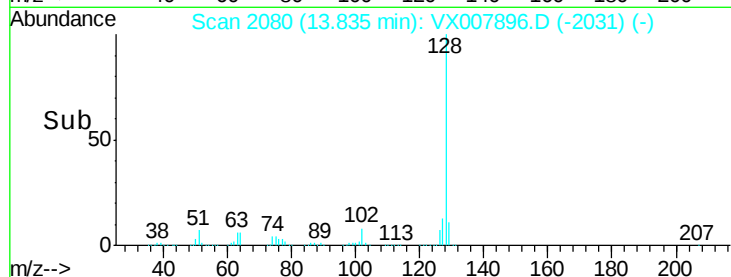
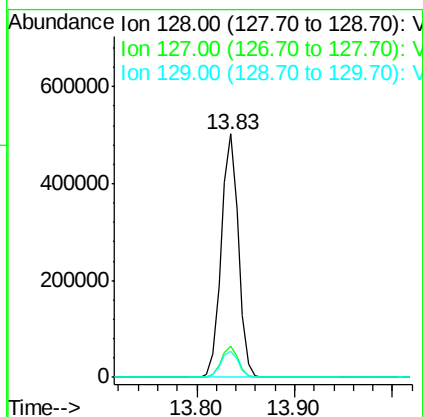
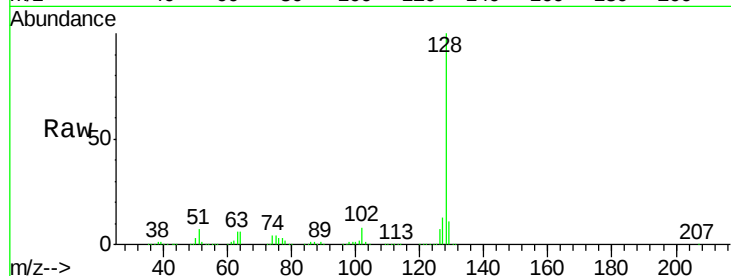
#95
Naphthalene
Concen: 52.626 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	608097		
127	12.9		10.3	15.5
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:40:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.566 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007896.D
Acq: 07 Mar 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	202010		
182	96.2		47.5	142.5
145	30.1		14.8	44.3

