

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007412.D
 Acq On : 06 Feb 2019 20:50
 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
 2/7/2019 9:53:22 AM

Quant Time: Feb 07 02:45:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	505949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	756723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	680488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	353599	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	260081	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	5.50	113	235058	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
50) Toluene-d8	8.71	98	874340	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	11.13	95	313596	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	291304	46.865	ug/l	98
3) Chloromethane	1.33	50	262583	46.077	ug/l	97
4) Vinyl Chloride	1.41	62	282073	50.454	ug/l	99
5) Bromomethane	1.64	94	226150	40.820	ug/l	97
6) Chloroethane	1.72	64	179222	49.556	ug/l	98
7) Trichlorofluoromethane	1.93	101	428440	48.988	ug/l	99
8) Diethyl Ether	2.19	74	160648	48.803	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	234120	45.004	ug/l	98
10) Methyl Iodide	2.51	142	309622	40.459	ug/l	99
11) Tert butyl alcohol	3.07	59	303654	273.224	ug/l	99
12) 1,1-Dichloroethene	2.37	96	231167	47.853	ug/l	99
13) Acrolein	2.30	56	144879	277.997	ug/l	99
14) Allyl chloride	2.73	41	399495	50.754	ug/l	98
15) Acrylonitrile	3.15	53	704079	256.093	ug/l	99
16) Acetone	2.45	43	621877	252.799	ug/l	100
17) Carbon Disulfide	2.57	76	572039	45.484	ug/l	99
18) Methyl Acetate	2.78	43	368554	57.412	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	796991	50.925	ug/l	98
20) Methylene Chloride	2.85	84	256080	50.972	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	241210	46.873	ug/l	100
22) Diisopropyl ether	3.87	45	726581	50.184	ug/l	97
23) Vinyl Acetate	3.82	43	3065967	255.187	ug/l	99
24) 1,1-Dichloroethane	3.70	63	403769	48.561	ug/l	99
25) 2-Butanone	4.70	43	901297	257.453	ug/l	100
26) 2,2-Dichloropropane	4.59	77	278702	44.014	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	263697	46.915	ug/l	99
28) Bromochloromethane	5.02	49	188784	49.373	ug/l	100
29) Tetrahydrofuran	5.15	42	591028	268.432	ug/l	99
30) Chloroform	5.21	83	425661	49.061	ug/l	97
31) Cyclohexane	5.57	56	346762	46.435	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	366912	50.100	ug/l	99
36) 1,1-Dichloropropene	5.80	75	302664	44.577	ug/l	100
37) Ethyl Acetate	4.85	43	340331	49.586	ug/l	99
38) Carbon Tetrachloride	5.78	117	322569	48.971	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	362048	44.073	ug/l	97
40) Benzene	6.15	78	948743	47.437	ug/l	100
41) Methacrylonitrile	5.06	41	185348	50.387	ug/l	98
42) 1,2-Dichloroethane	6.20	62	317702	45.911	ug/l	99
43) Isopropyl Acetate	6.46	43	544439	51.392	ug/l	99
44) Trichloroethene	7.21	130	274674	45.600	ug/l	100
45) 1,2-Dichloropropane	7.52	63	238673	47.629	ug/l	96
46) Dibromomethane	7.66	93	167155	45.895	ug/l	98
47) Bromodichloromethane	7.90	83	299035	48.446	ug/l	98
48) Methyl methacrylate	7.77	41	279901	52.822	ug/l	100
49) 1,4-Dioxane	7.75	88	122758	1018.534	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1775680	254.615	ug/l	99
52) Toluene	8.79	92	606518	47.003	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	329491	49.695	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	364937	50.051	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	255621	47.523	ug/l	98
56) Ethyl methacrylate	9.18	69	380002	51.008	ug/l	98
57) 1,3-Dichloropropane	9.37	76	410382	47.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1000504	254.797	ug/l	99
59) 2-Hexanone	9.49	43	1352998	249.312	ug/l	100
60) Dibromochloromethane	9.59	129	262320	51.565	ug/l	99
61) 1,2-Dibromoethane	9.67	107	279372	49.044	ug/l	99
64) Tetrachloroethene	9.34	164	282393	44.029	ug/l	99
65) Chlorobenzene	10.14	112	699503	47.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	253249	50.867	ug/l	99
67) Ethyl Benzene	10.25	91	1161902	48.588	ug/l	99
68) m/p-Xylenes	10.36	106	912552	95.999	ug/l	100
69) o-Xylene	10.70	106	446882	48.855	ug/l	99
70) Styrene	10.71	104	719724	48.517	ug/l	100
71) Bromoform	10.86	173	197521	45.618	ug/l #	99
73) Isopropylbenzene	11.02	105	1177940	49.022	ug/l	99
74) N-amyl acetate	10.90	43	479805	51.625	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	369344	50.436	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	350394m	50.945	ug/l	
77) Bromobenzene	11.26	156	317973	46.966	ug/l	97
78) n-propylbenzene	11.36	91	1311376	49.769	ug/l	100
79) 2-Chlorotoluene	11.42	91	765052	47.851	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	971619	49.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	103493	46.804	ug/l	97
82) 4-Chlorotoluene	11.51	91	892257	48.230	ug/l	100
83) tert-Butylbenzene	11.77	119	953498	48.990	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	989720	49.590	ug/l	100
85) sec-Butylbenzene	11.94	105	1165236	49.465	ug/l	100
86) p-Isopropyltoluene	12.06	119	1043612	49.078	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	562578	46.301	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	554981	45.021	ug/l	99
89) n-Butylbenzene	12.39	91	883326	48.289	ug/l	100
90) Hexachloroethane	12.60	117	164874	51.806	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	552429	45.686	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	78748	51.716	ug/l	98

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ClientSampleId :
VSTDCCC050EC

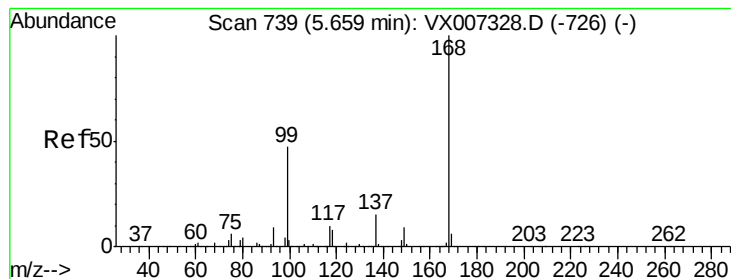
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	385126	47.228	ug/l	99
94) Hexachlorobutadiene	13.78	225	185352	46.810	ug/l	99
95) Naphthalene	13.83	128	1199983	50.320	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	388908	47.379	ug/l	99

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



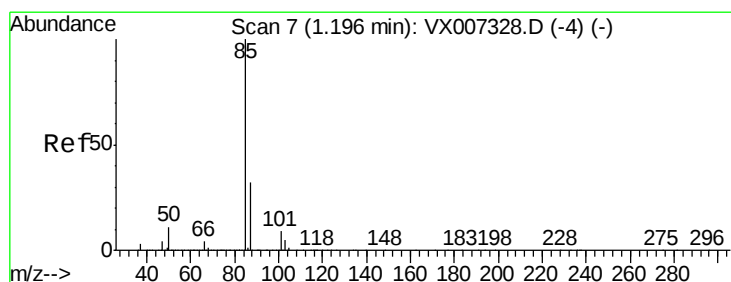
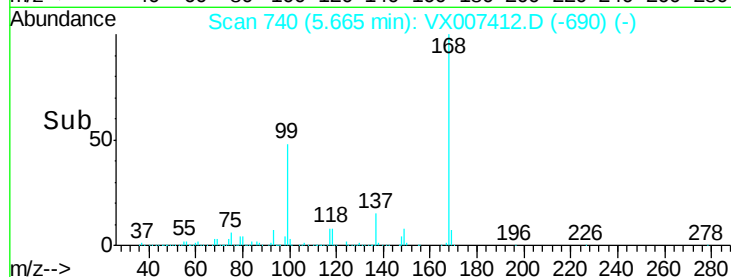
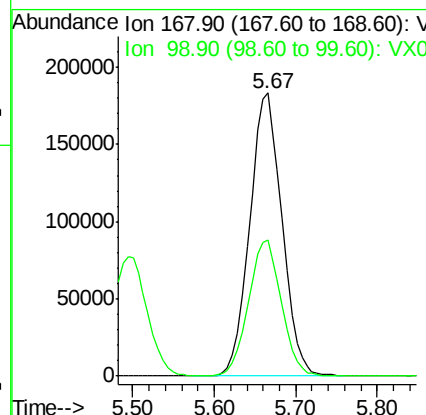
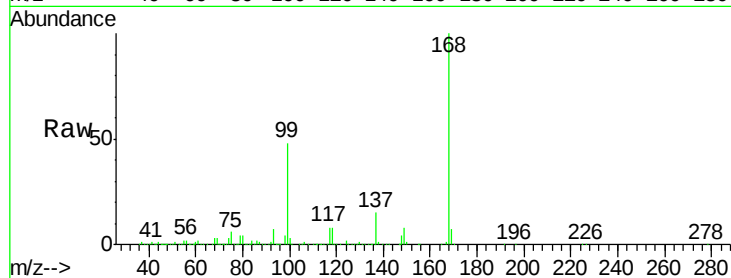
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.0	37.9	56.9

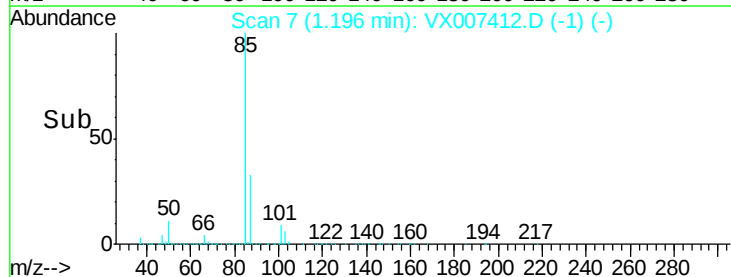
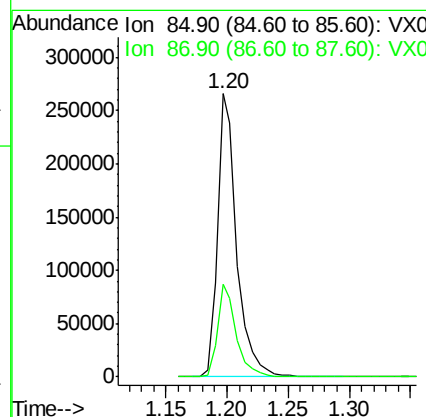
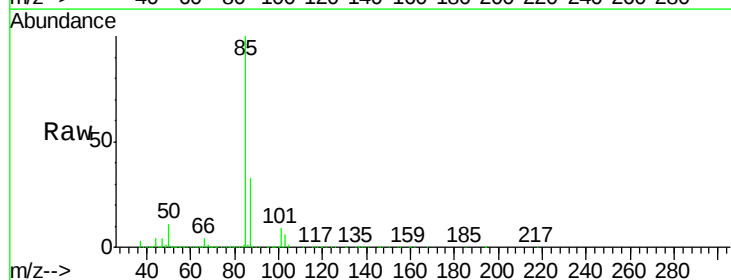
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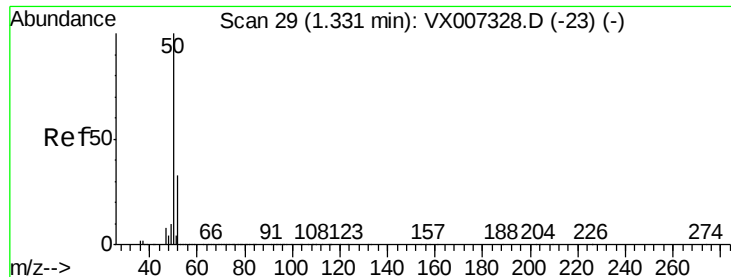
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#2
Dichlorodifluoromethane
Concen: 46.865 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.8	47.4





#3

Chloromethane

Concen: 46.077 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 262583

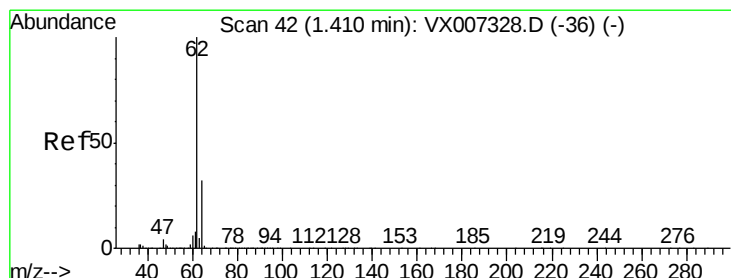
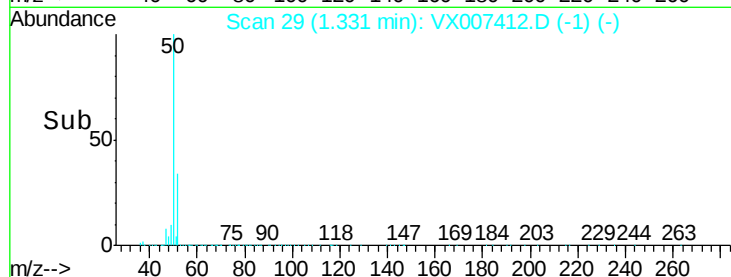
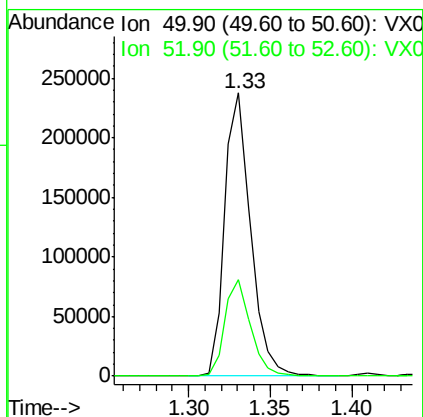
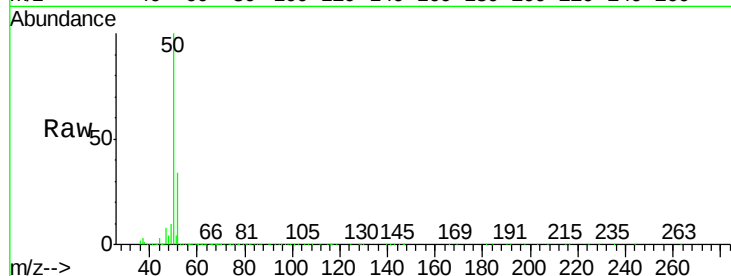
Ion Ratio Lower Upper

50 100

52 34.1 26.1 39.1

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#4

Vinyl Chloride

Concen: 50.454 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007412.D

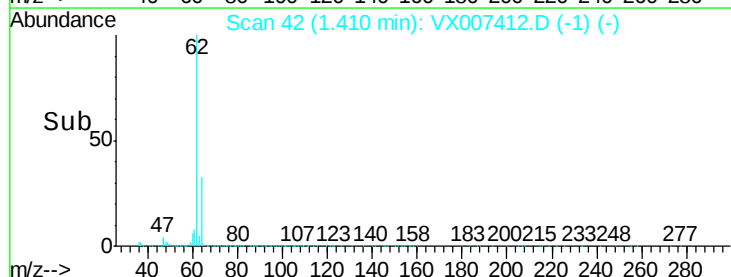
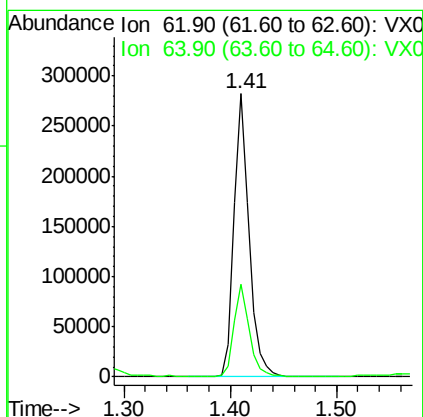
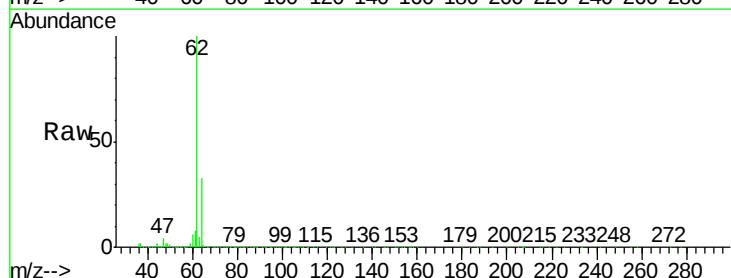
Acq: 06 Feb 2019 20:50

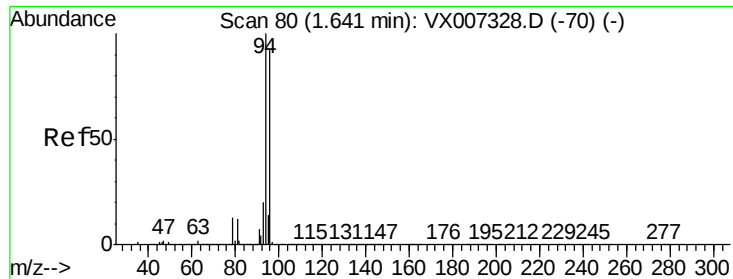
Tgt Ion: 62 Resp: 282073

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 40.820 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 226150

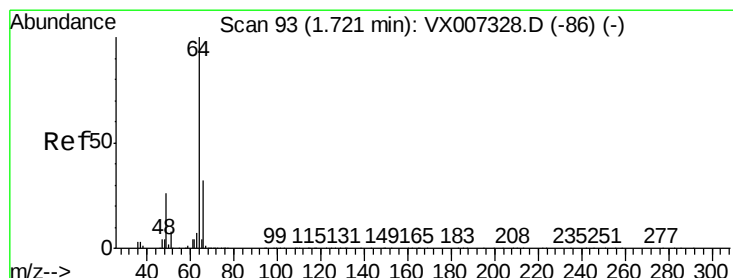
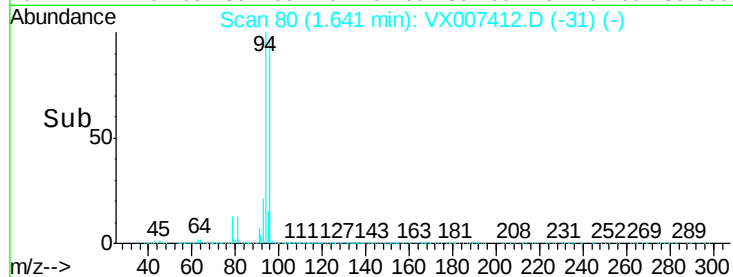
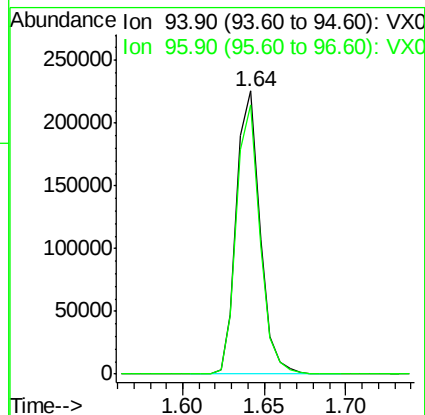
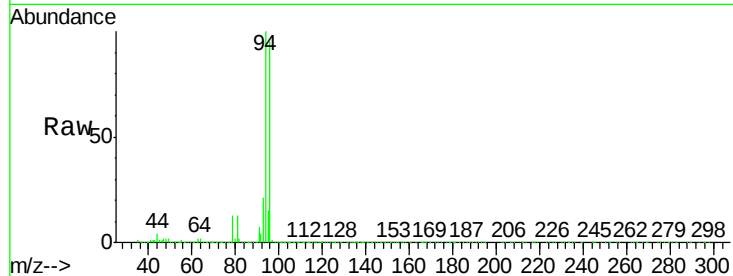
Ion Ratio Lower Upper

94 100

96 95.2 73.9 110.9

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#6

Chloroethane

Concen: 49.556 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007412.D

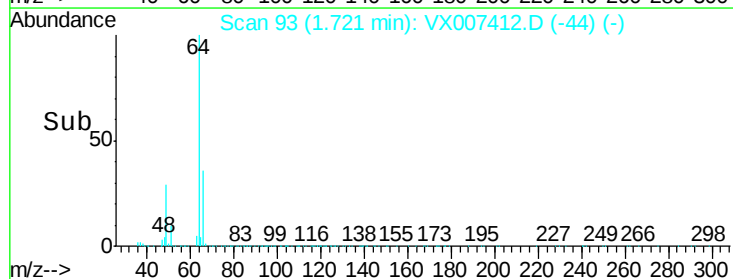
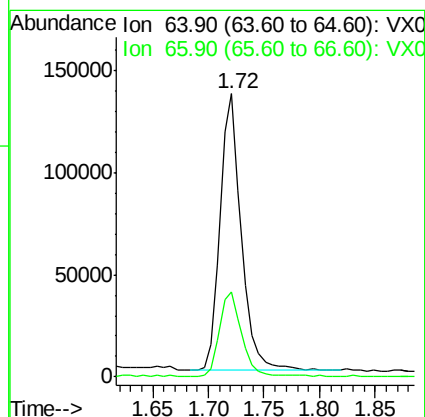
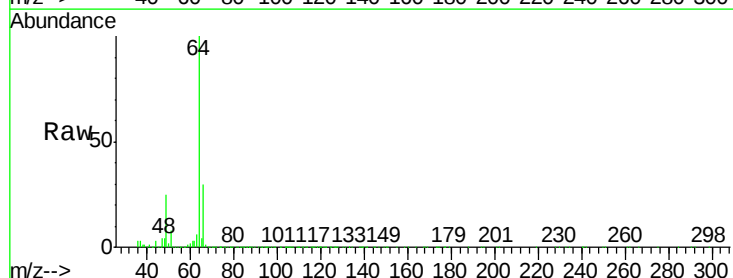
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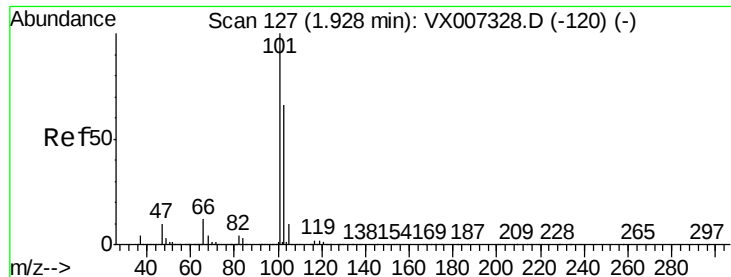
Tgt Ion: 64 Resp: 179222

Ion Ratio Lower Upper

64 100

66 30.7 25.5 38.3





#7

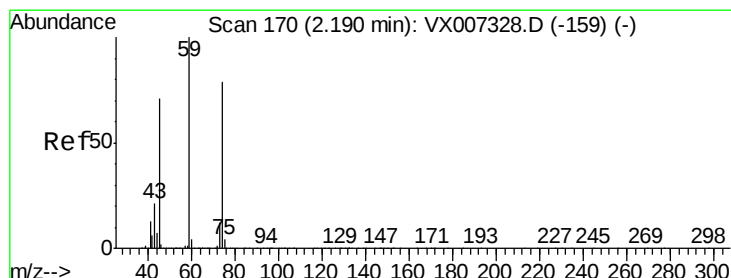
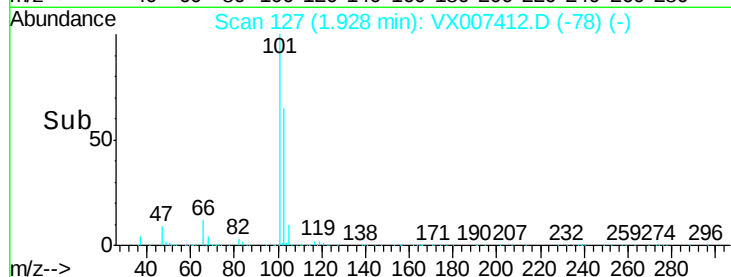
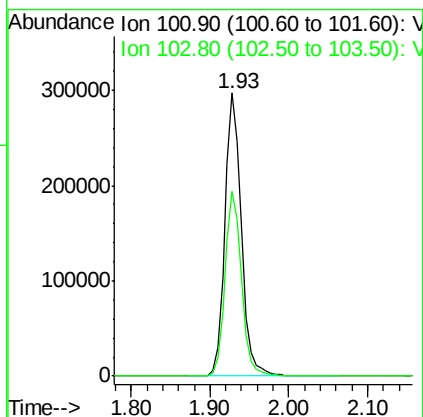
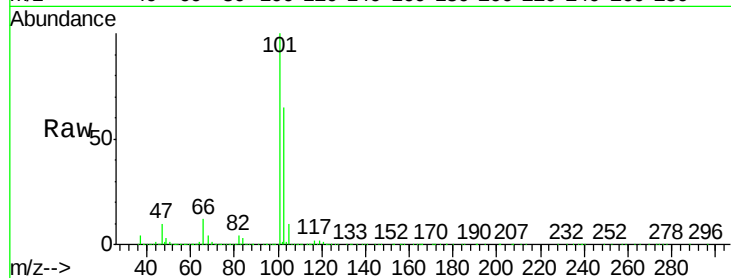
Trichlorofluoromethane
Concen: 48.988 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	65.3	52.6	79.0	

Manual Integrations
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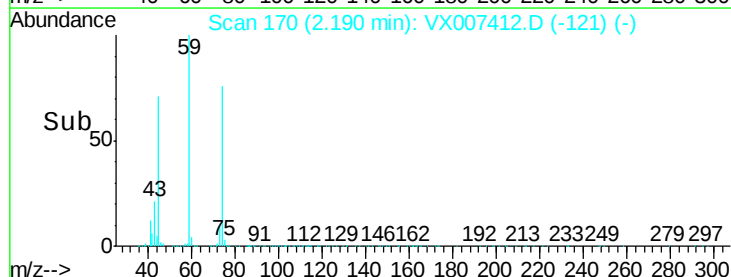
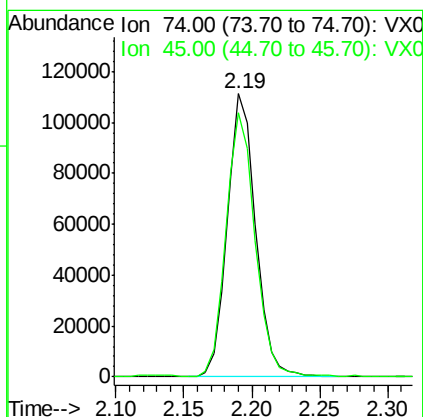
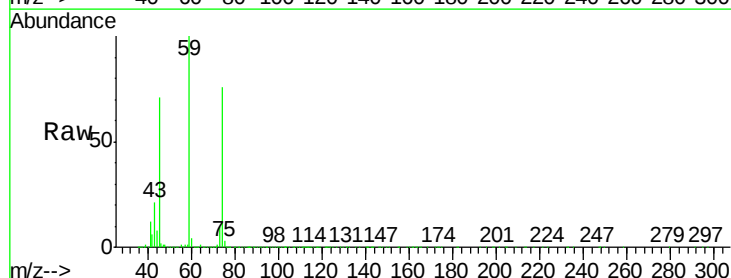
MMDadoda
2/7/2019 9:53:22 AM

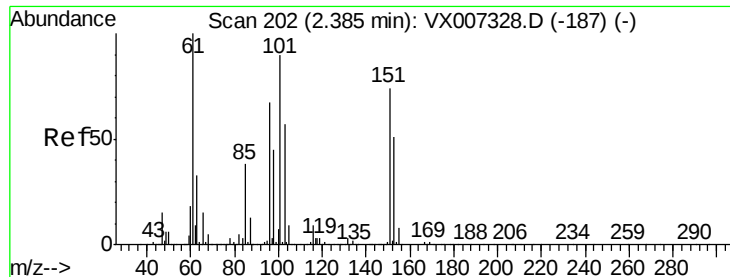


#8

Diethyl Ether
Concen: 48.803 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	95.5	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.004 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

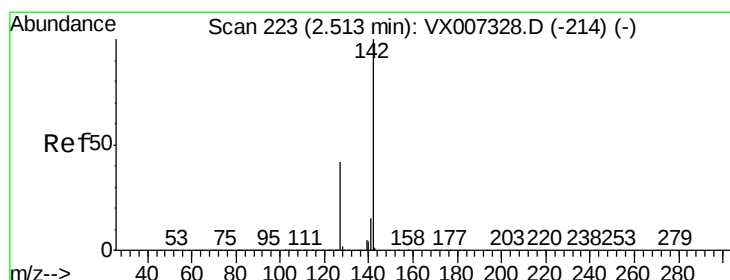
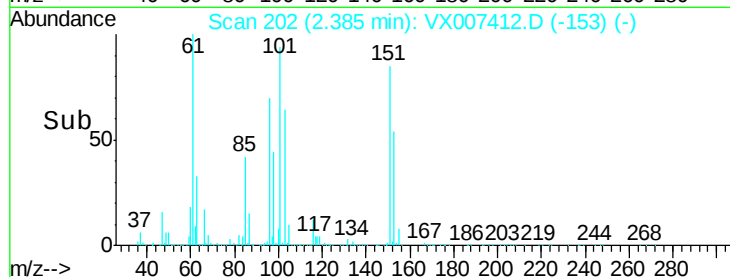
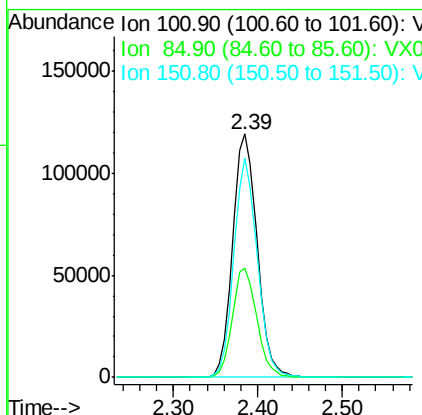
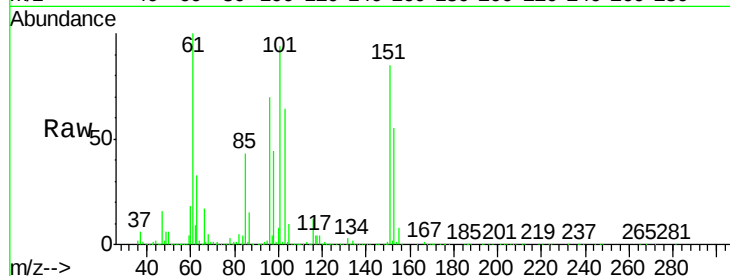
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	234120
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.1	51.1
151	86.5	69.9	104.9

Manual Integrations
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#10

Methyl Iodide

Concen: 40.459 ug/l

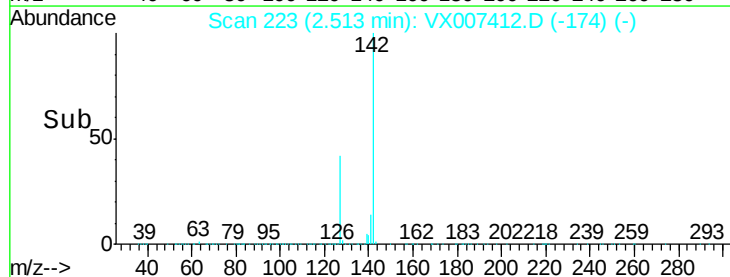
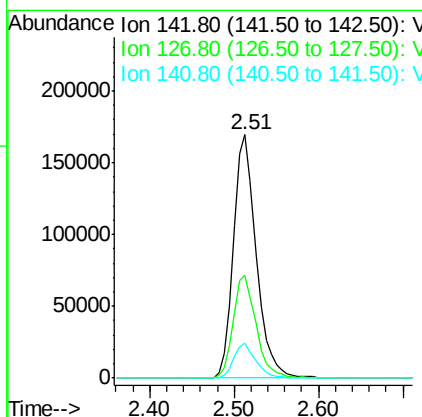
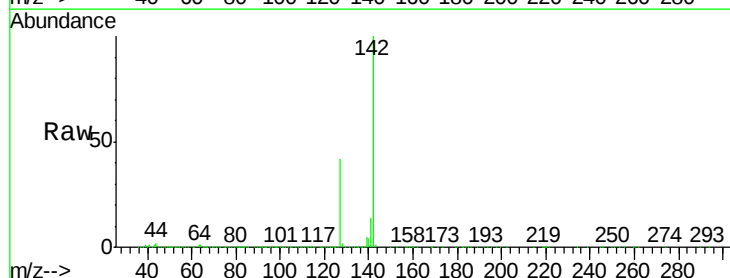
RT: 2.51 min Scan# 223

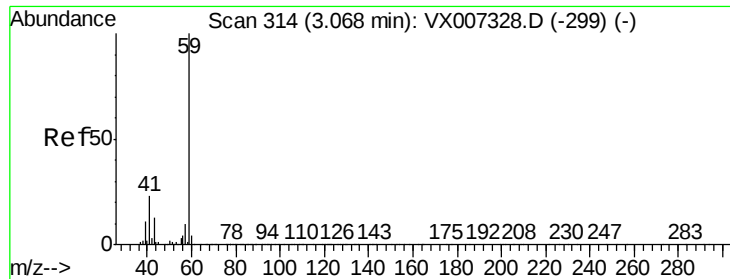
Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	142	Resp:	309622
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.7	50.5
141	13.9	11.3	16.9





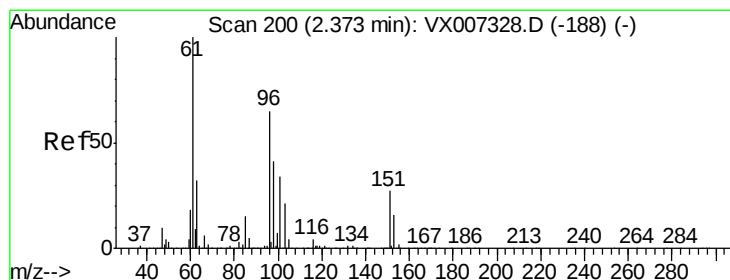
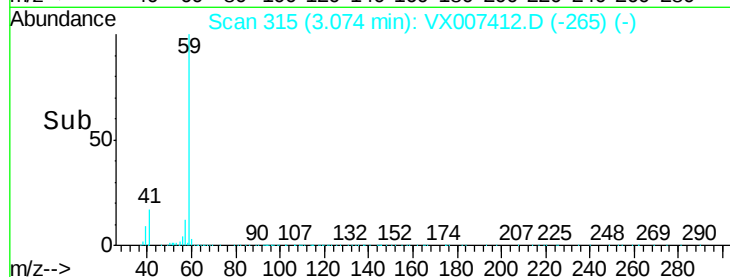
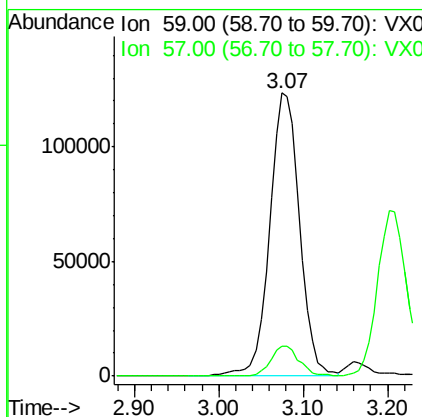
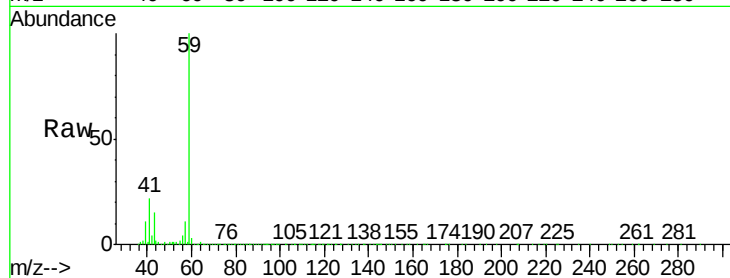
#11
Tert butyl alcohol
Concen: 273.224 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

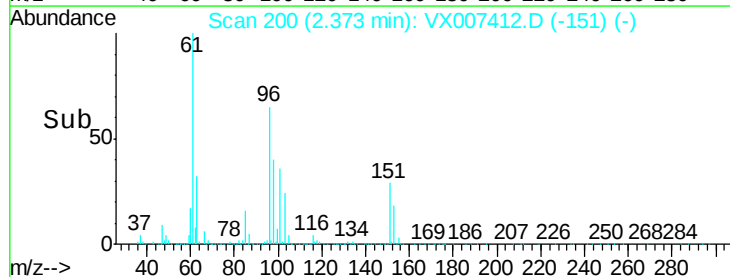
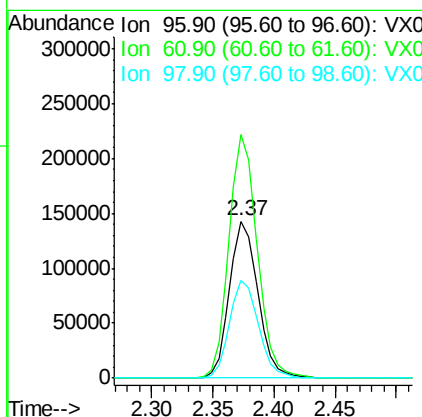
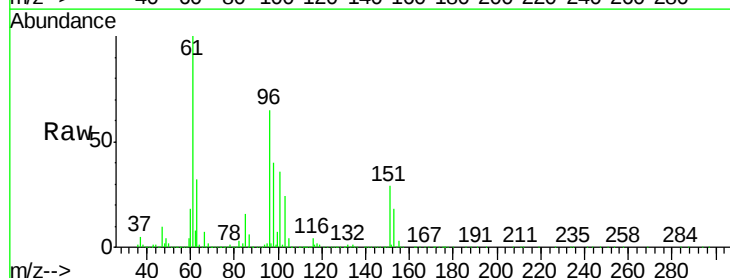
Manual Integrations
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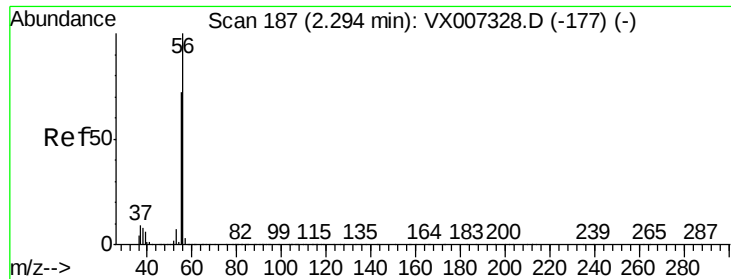
MMDadoda
2/7/2019 9:53:22 AM



#12
1,1-Dichloroethene
Concen: 47.853 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.9	123.0	184.4
98	62.5	50.9	76.3





#13

Acrolein

Concen: 277.997 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 144879

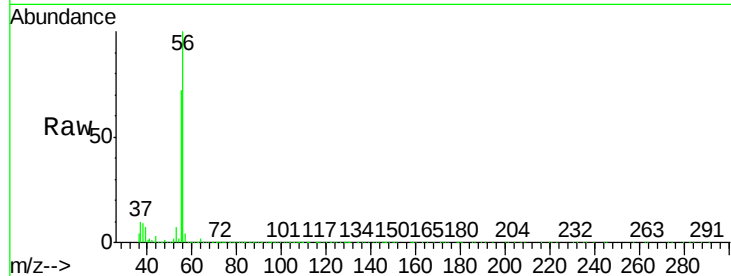
Ion Ratio Lower Upper

56 100

55 71.7 56.9 85.3

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

100000

80000

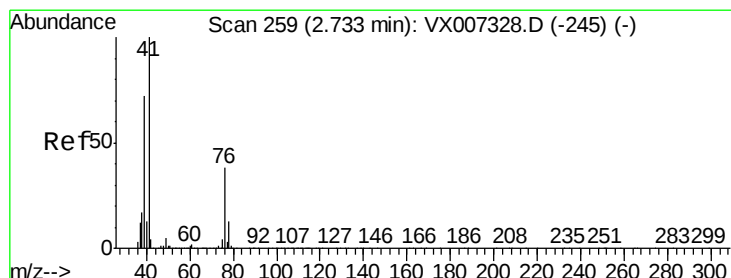
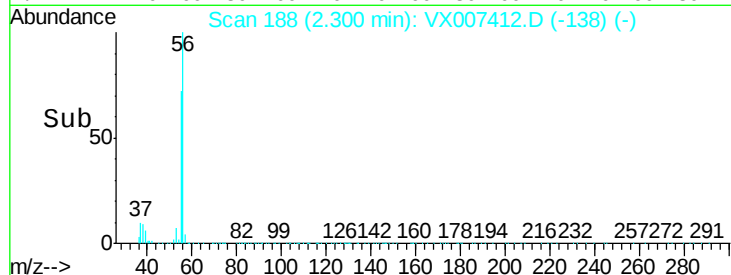
60000

40000

20000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 50.754 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

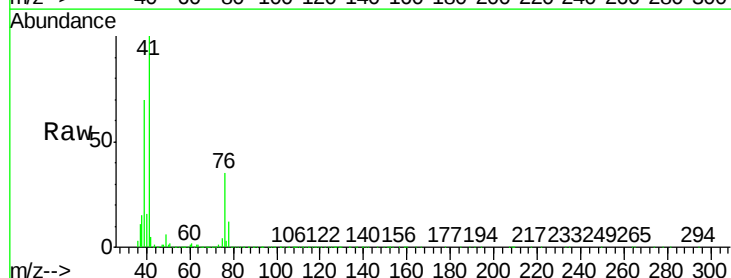
Tgt Ion: 41 Resp: 399495

Ion Ratio Lower Upper

41 100

39 68.2 54.1 81.1

76 33.0 27.8 41.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

300000

250000

200000

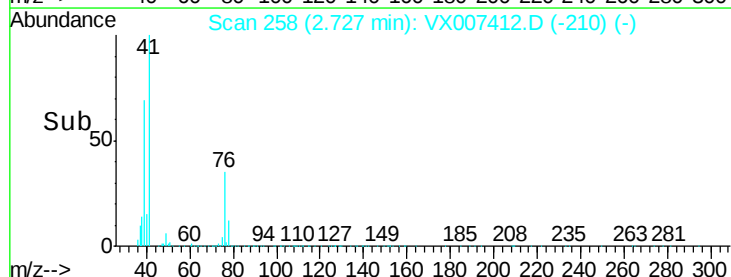
150000

100000

50000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 256.093 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

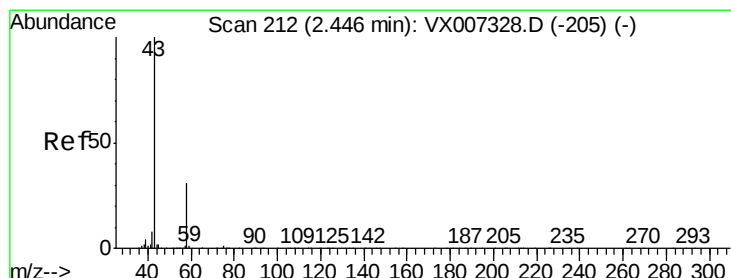
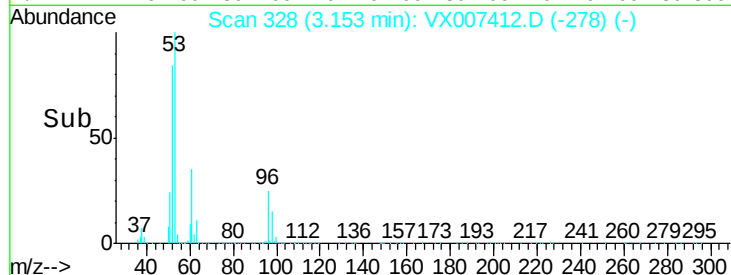
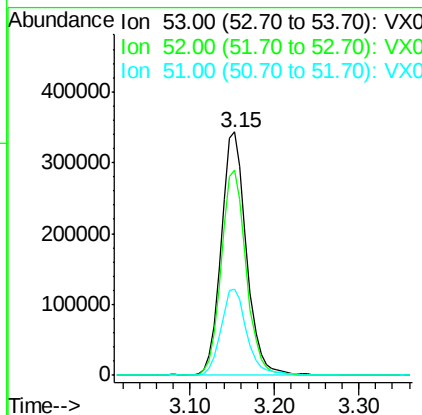
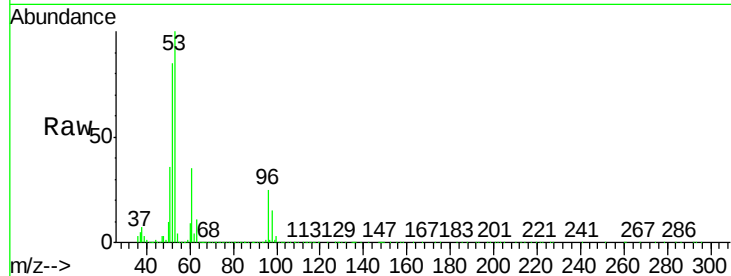
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	704079
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 252.799 ug/l

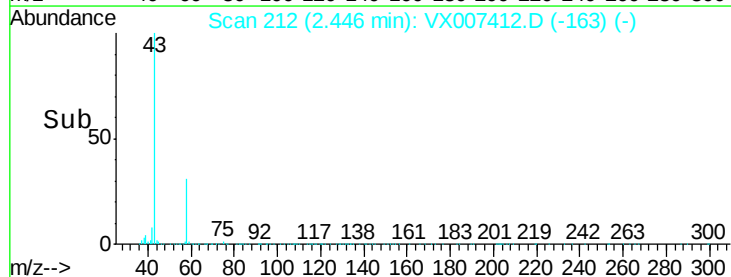
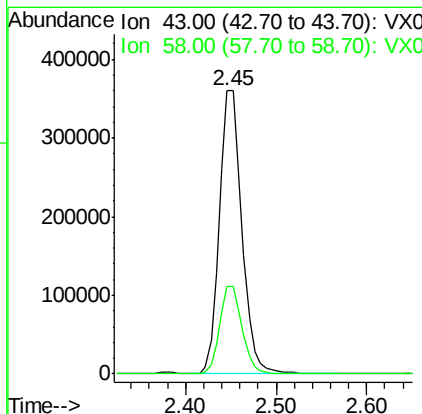
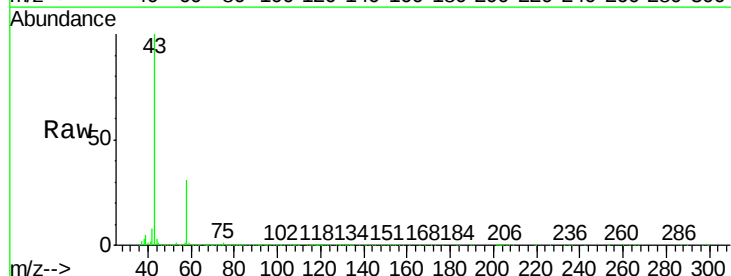
RT: 2.45 min Scan# 212

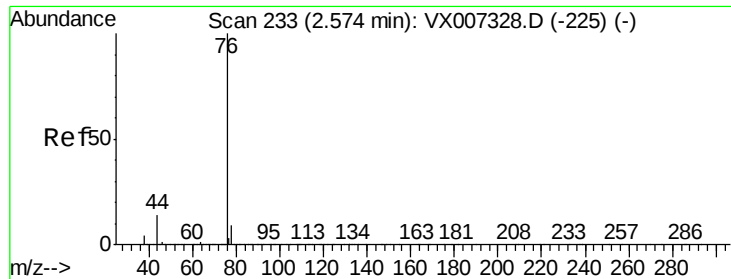
Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	43	Resp:	621877
Ion Ratio		Lower	Upper
43	100		
58	30.9	24.9	37.3





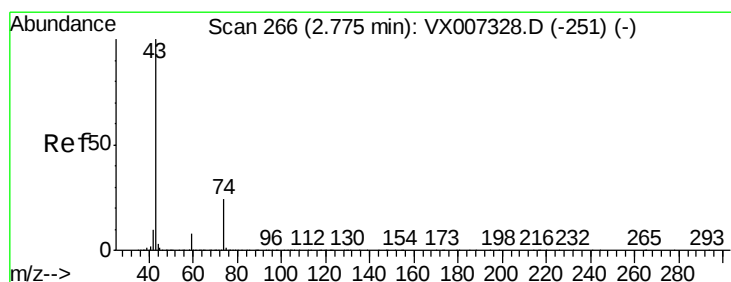
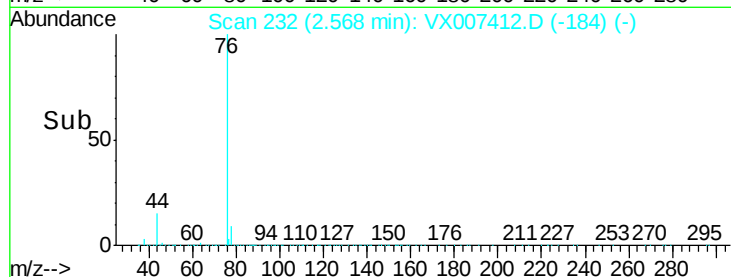
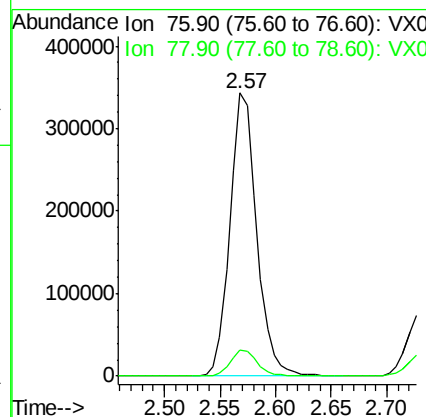
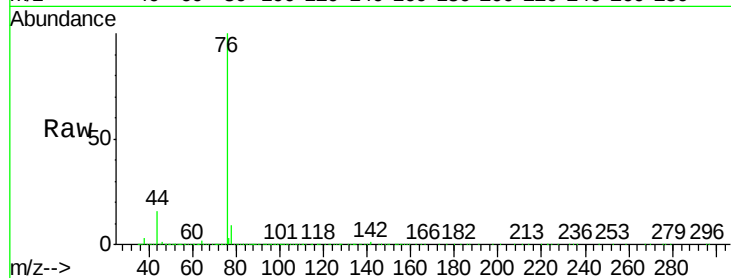
#17
Carbon Disulfide
Concen: 45.484 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

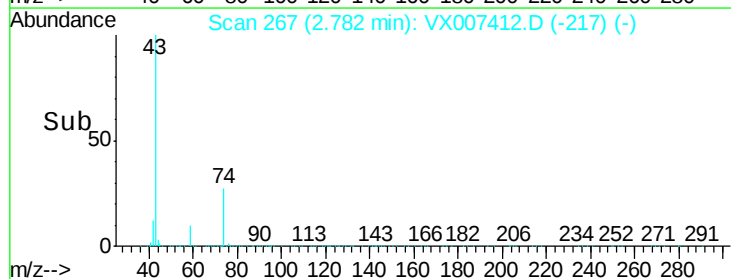
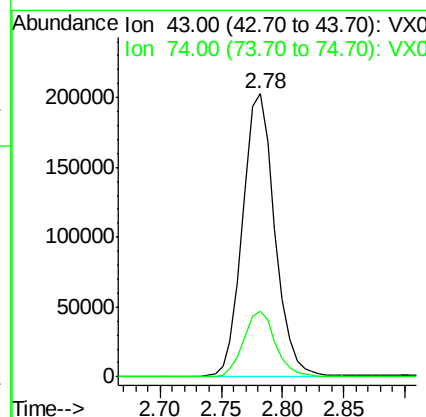
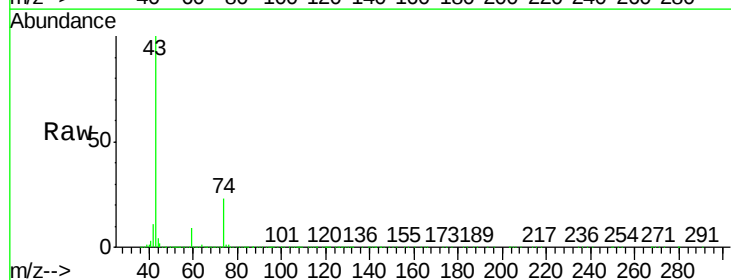
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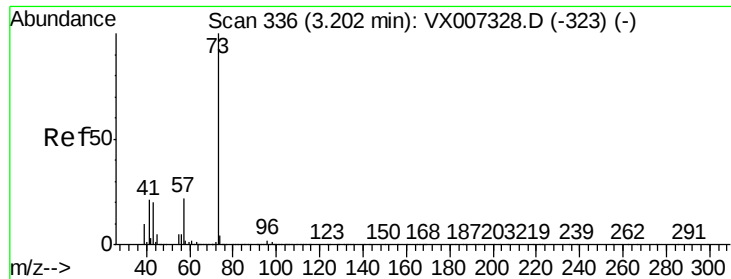
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#18
Methyl Acetate
Concen: 57.412 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.4	29.2





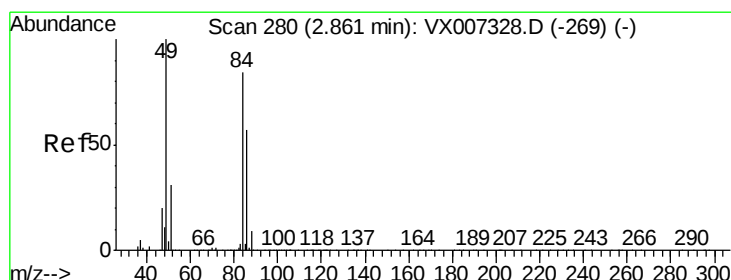
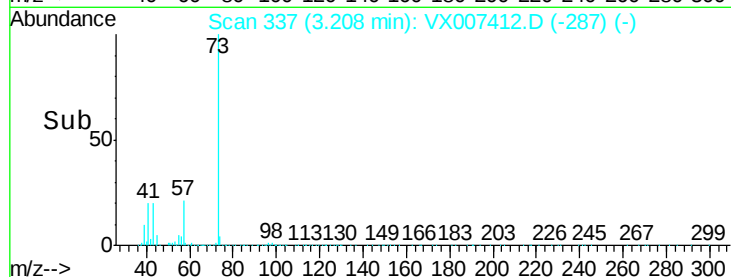
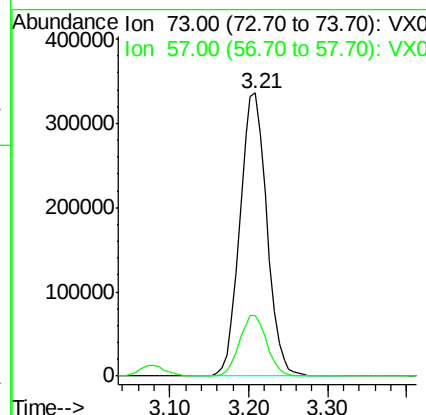
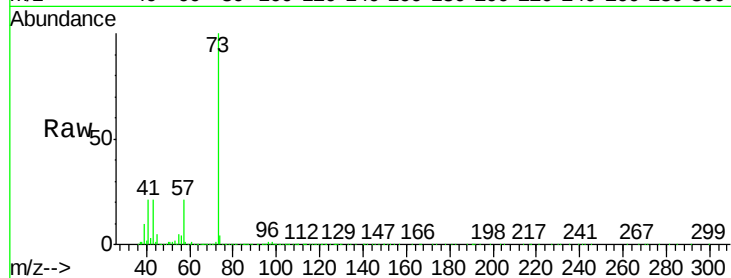
#19
Methyl tert-butyl Ether
Concen: 50.925 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.8	26.8

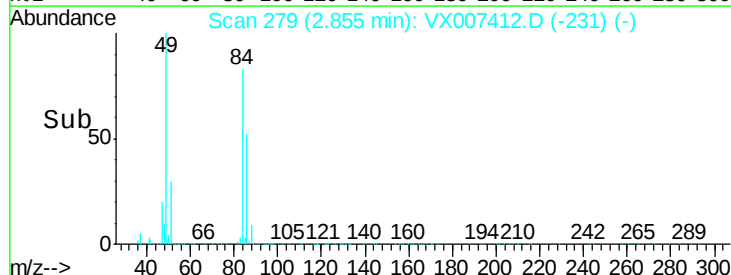
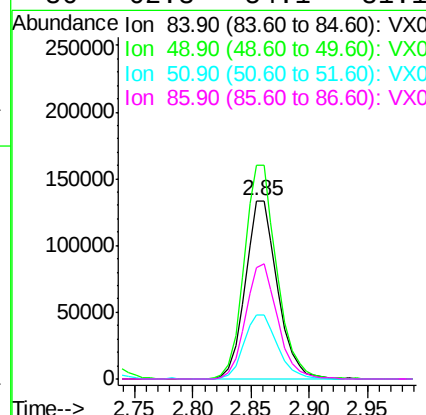
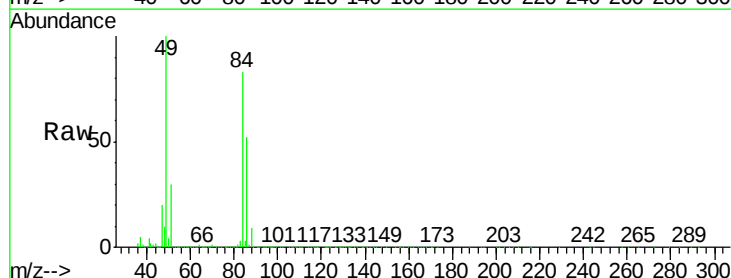
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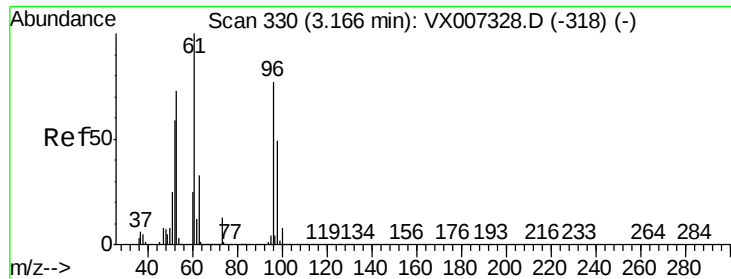
MMDadoda
2/7/2019 9:53:22 AM



#20
Methylene Chloride
Concen: 50.972 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.9	94.8	142.2
51	35.6	29.8	44.8
86	62.3	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 46.873 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

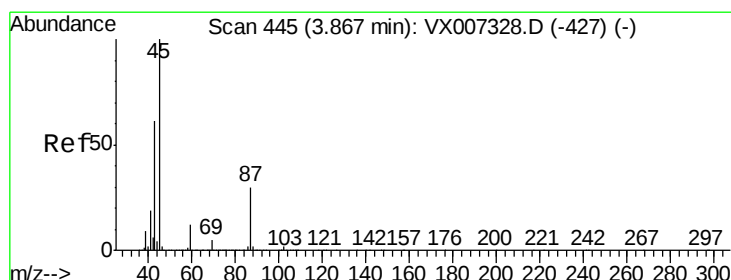
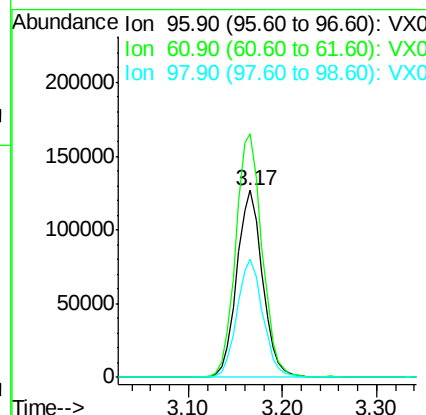
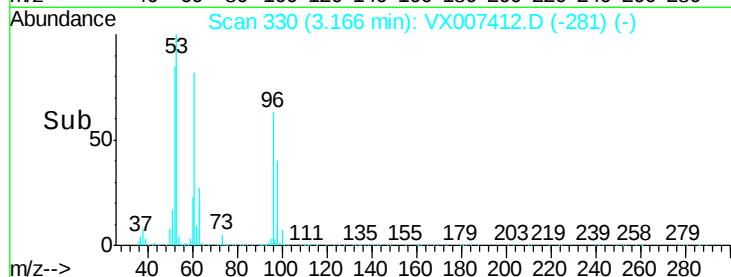
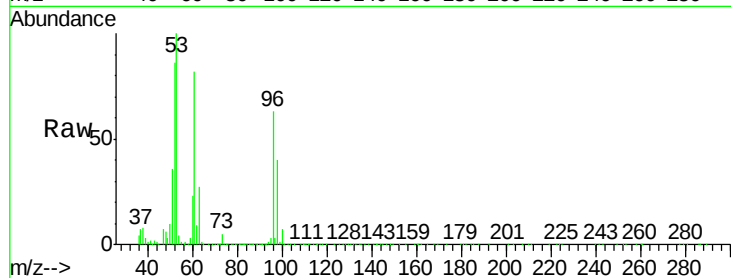
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	241210
Ion Ratio	Lower	Upper	
96	100		
61	130.2	104.6	156.8
98	63.3	51.0	76.4

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#22

Diisopropyl ether

Concen: 50.184 ug/l

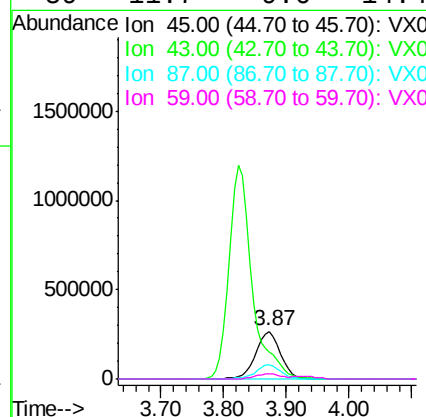
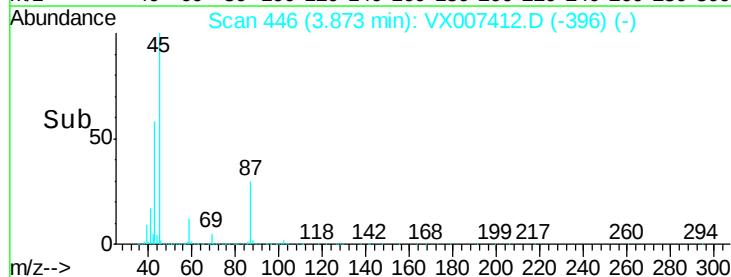
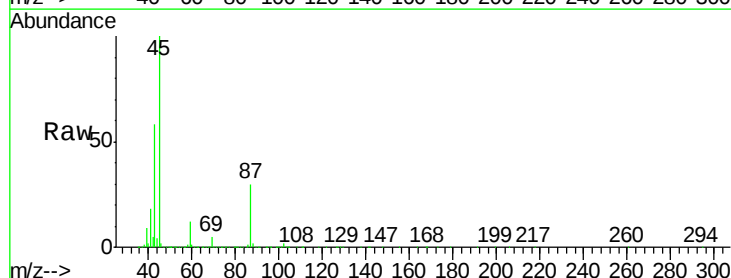
RT: 3.87 min Scan# 446

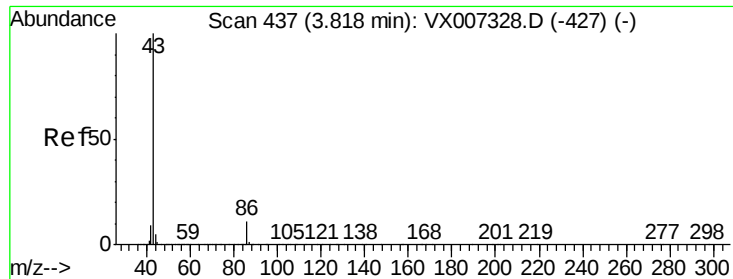
Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	45	Resp:	726581
Ion Ratio	Lower	Upper	
45	100		
43	57.6	48.9	73.3
87	30.2	23.9	35.9
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 255.187 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3065967

Ion Ratio Lower Upper

43 100

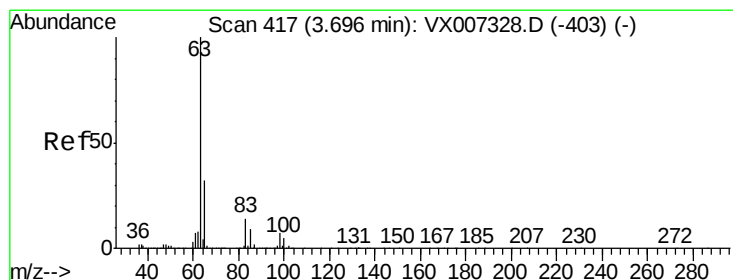
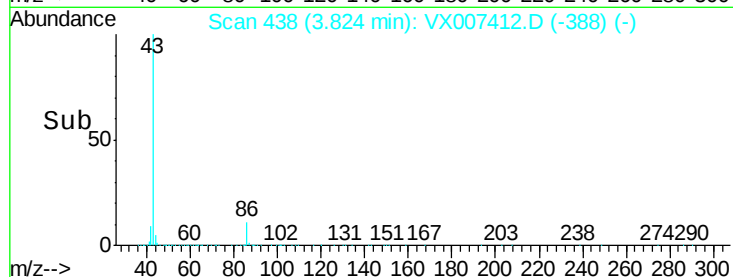
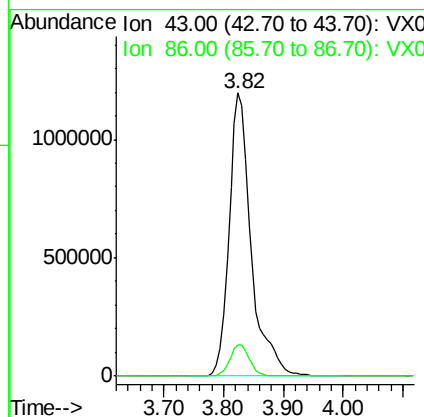
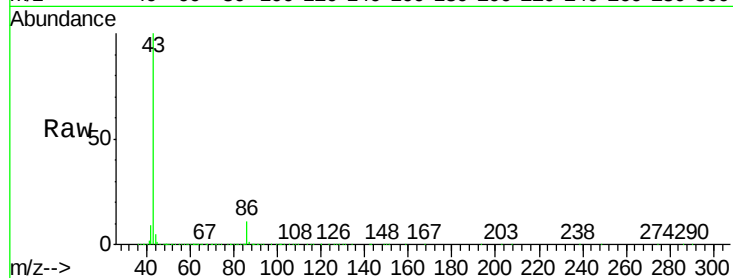
86 11.2 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.561 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

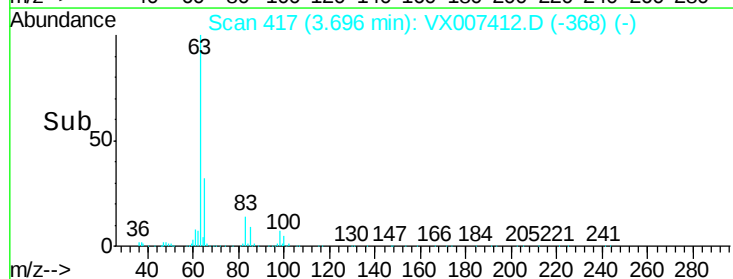
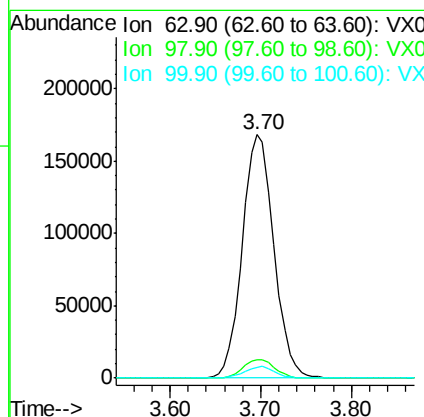
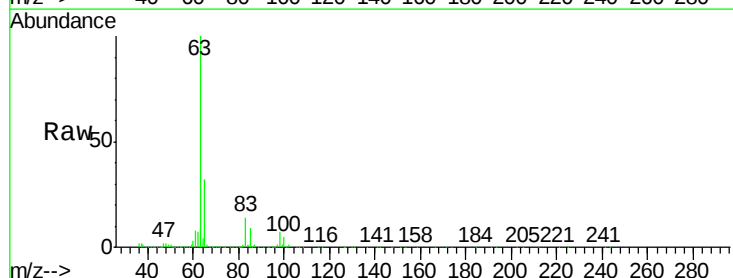
Tgt Ion: 63 Resp: 403769

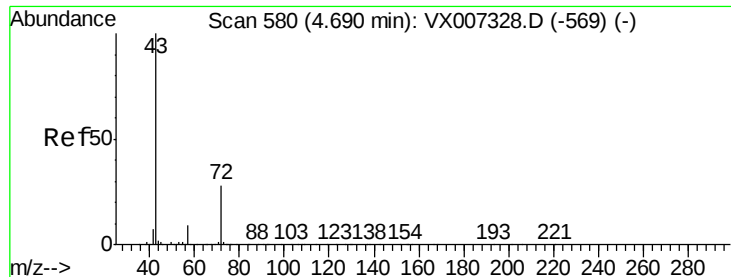
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.6 2.5 7.4





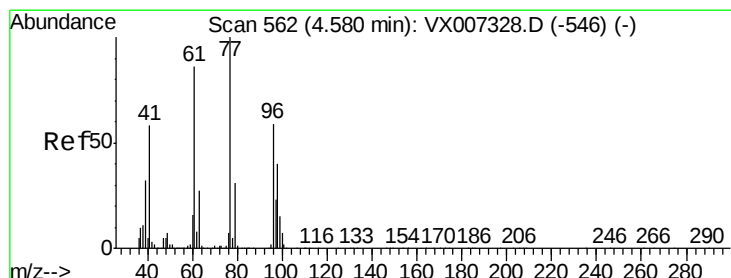
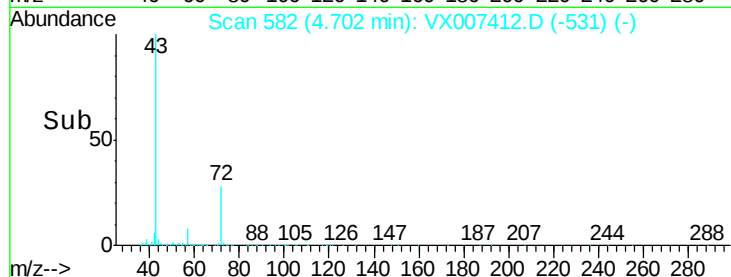
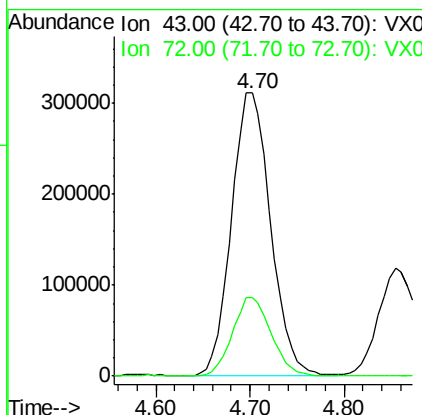
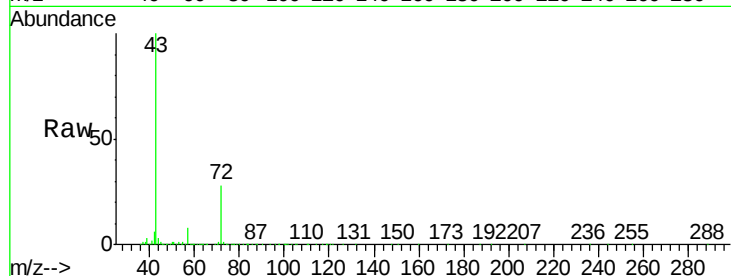
#25
2-Butanone
Concen: 257.453 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 901297
Ion Ratio Lower Upper
43 100
72 27.9 22.2 33.2

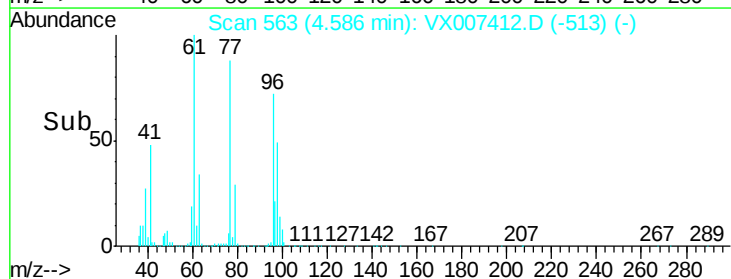
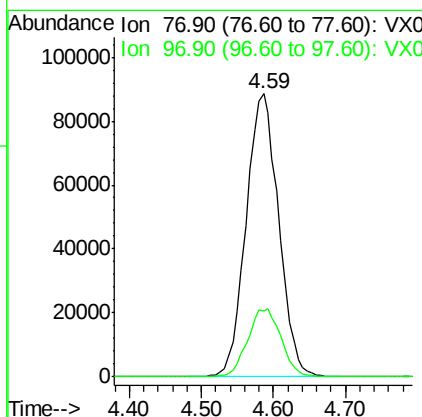
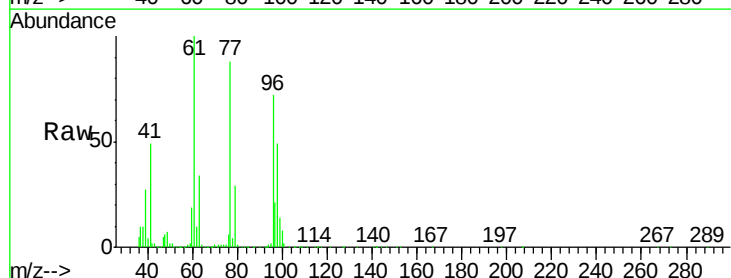
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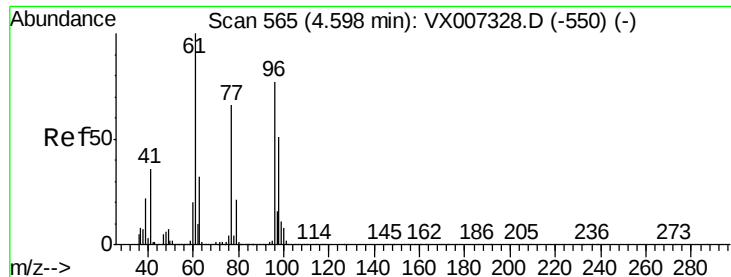
MMDadoda
2/7/2019 9:53:22 AM



#26
2,2-Dichloropropane
Concen: 44.014 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion: 77 Resp: 278702
Ion Ratio Lower Upper
77 100
97 24.8 12.1 36.3





#27

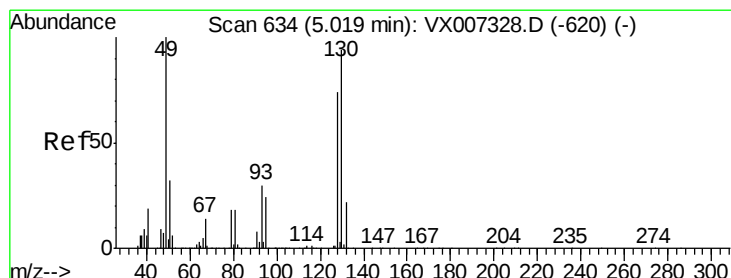
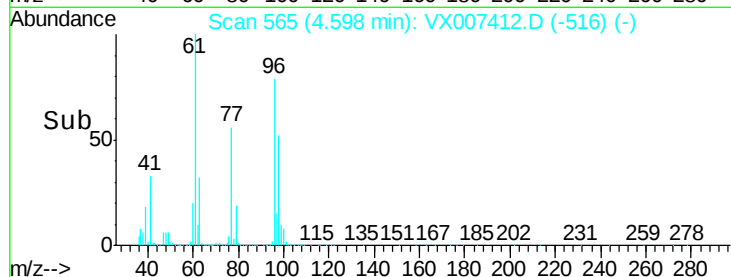
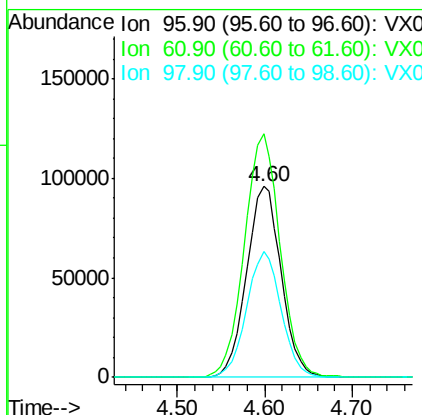
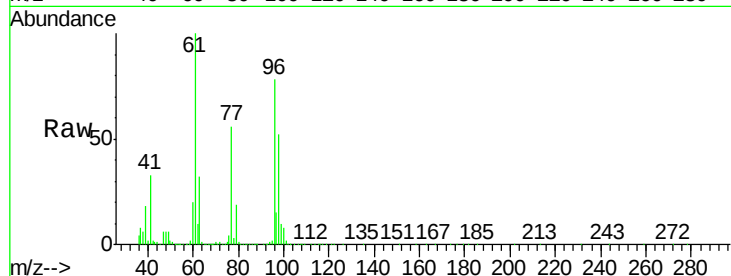
cis-1,2-Dichloroethene
Concen: 46.915 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	263697		
61	131.9	0.0	265.6	
98	65.7	0.0	131.6	

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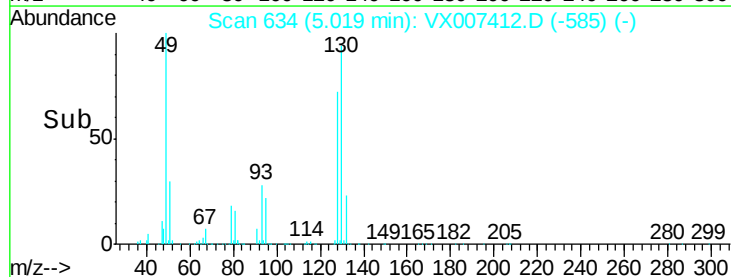
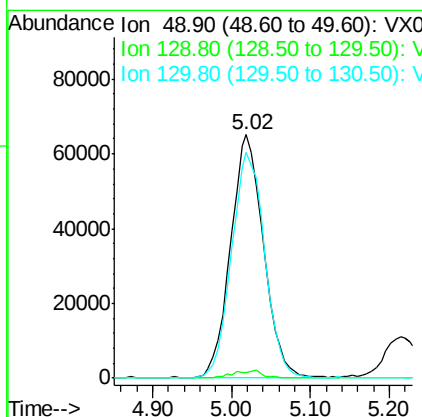
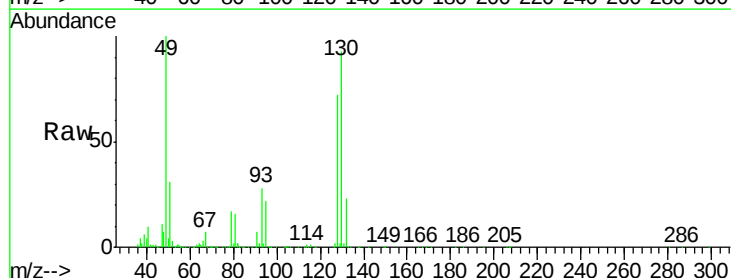
MMDadoda
2/7/2019 9:53:22 AM



#28

Bromochloromethane
Concen: 49.373 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	188784		
129	2.9	0.0	5.6	
130	94.1	75.6	113.4	





#29

Tetrahydrofuran

Concen: 268.432 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

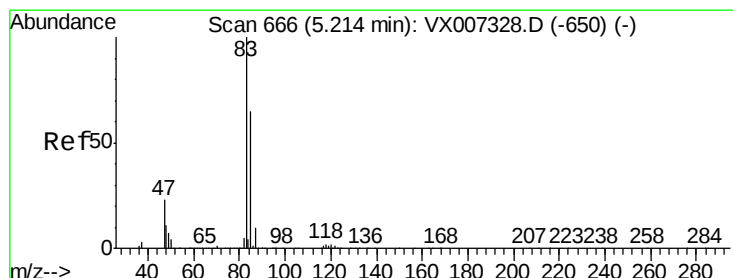
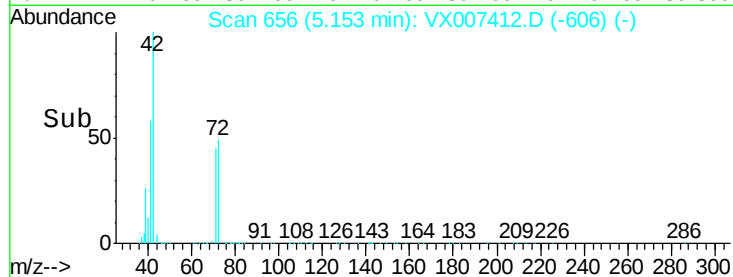
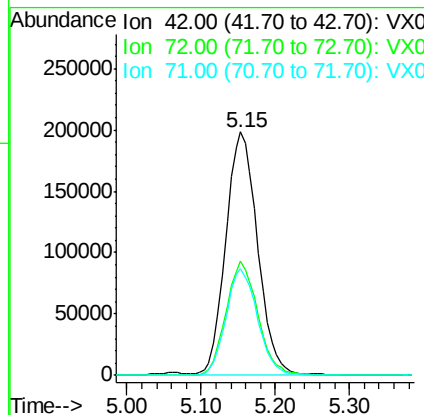
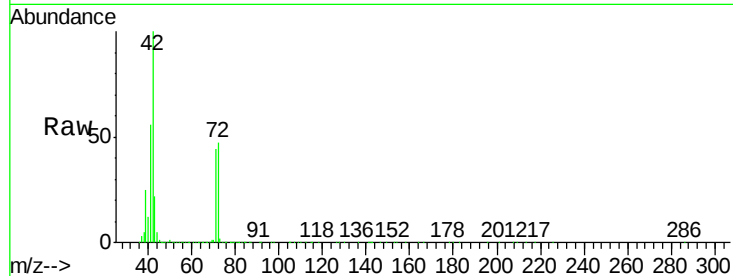
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	591028
Ion Ratio		Lower	Upper
42	100		
72	46.7	37.6	56.4
71	43.6	34.6	51.8

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#30

Chloroform

Concen: 49.061 ug/l

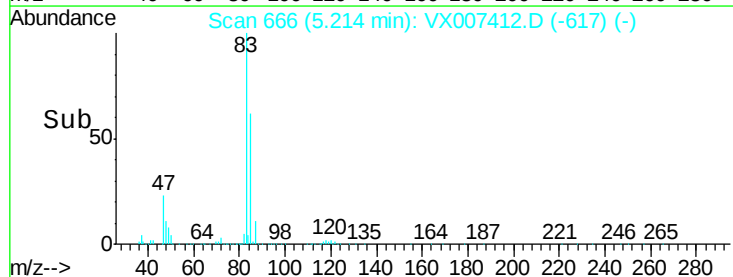
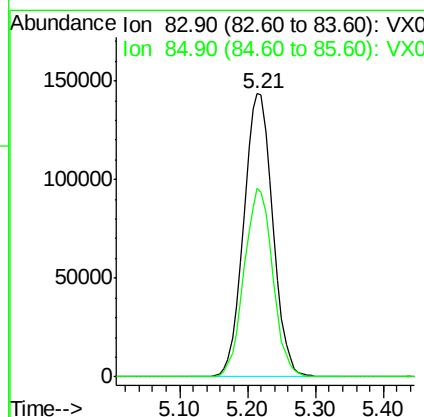
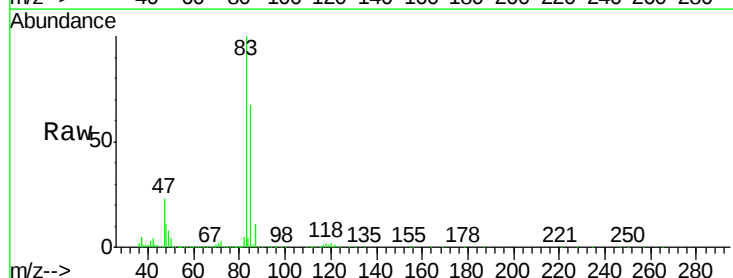
RT: 5.21 min Scan# 666

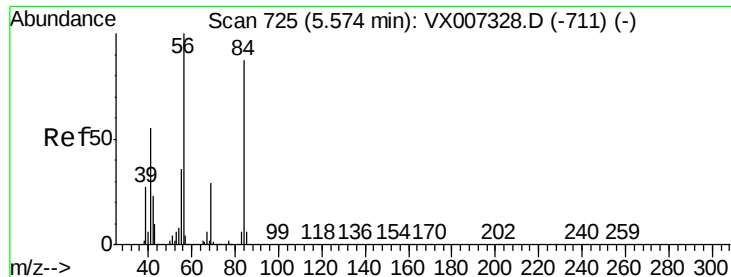
Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	83	Resp:	425661
Ion Ratio		Lower	Upper
83	100		
85	66.8	51.6	77.4





#31

Cyclohexane

Concen: 46.435 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

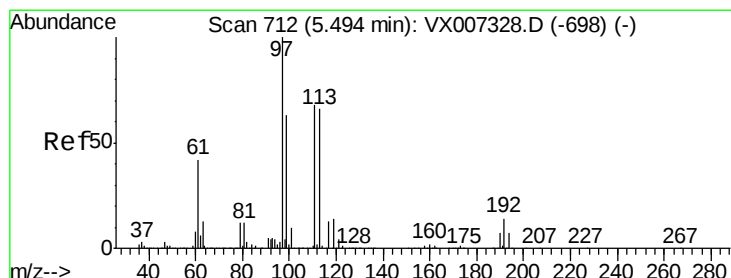
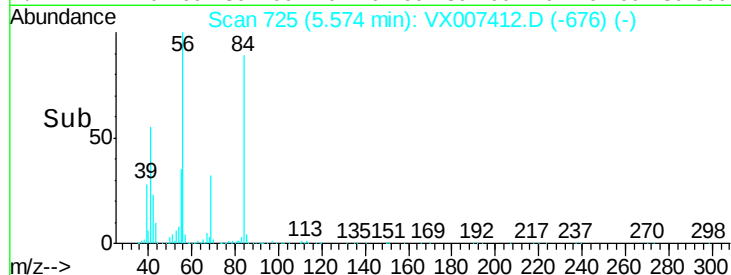
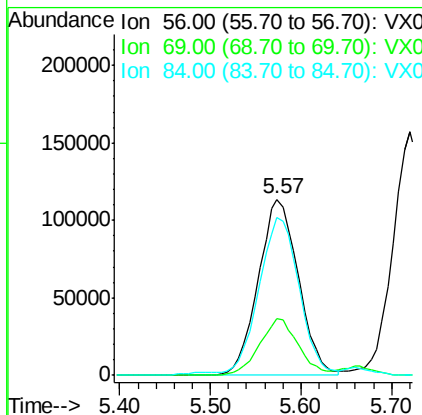
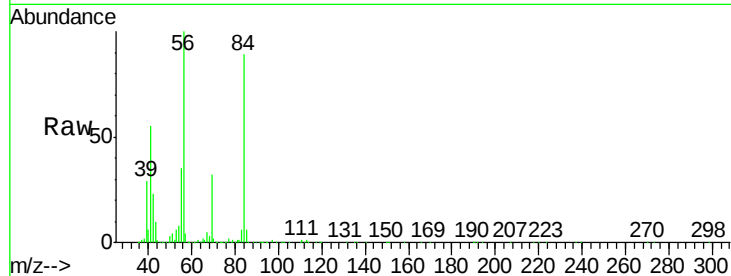
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	346762
Ion	Ratio	Lower	Upper
56	100		
69	32.4	23.0	34.6
84	88.4	69.8	104.6

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#32

1,1,1-Trichloroethane

Concen: 50.100 ug/l

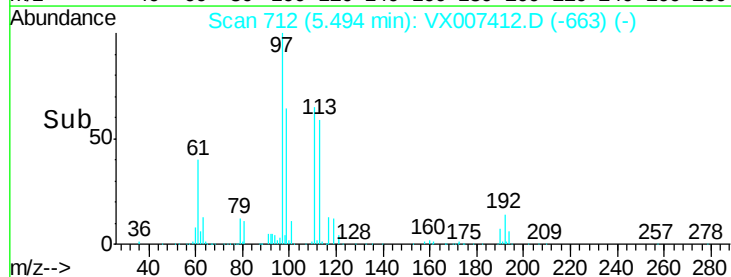
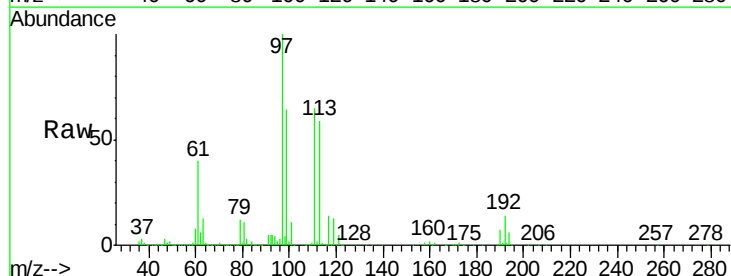
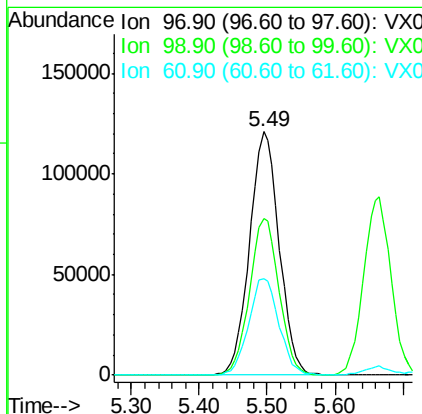
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	97	Resp:	366912
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.2	78.2
61	40.5	32.7	49.1





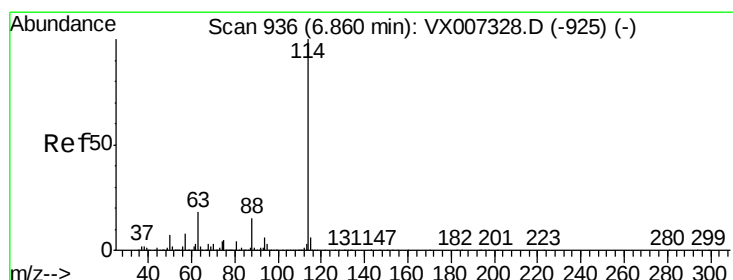
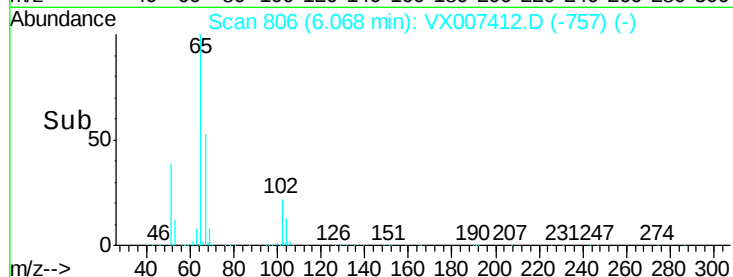
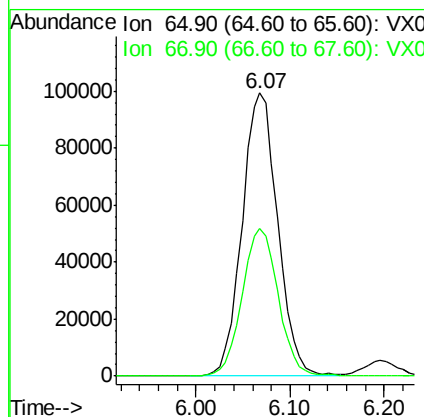
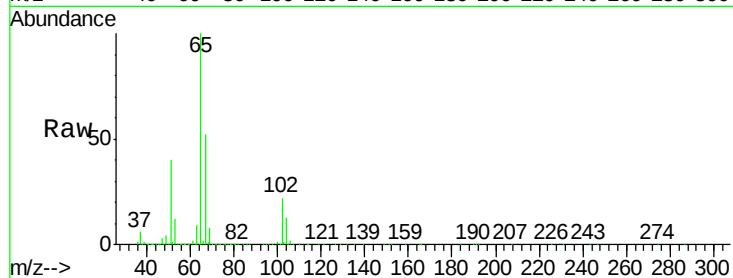
#33
 1,2-Dichloroethane-d4
 Concen: 48.430 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	108.8

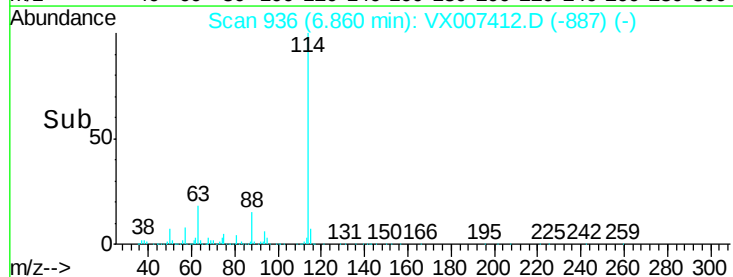
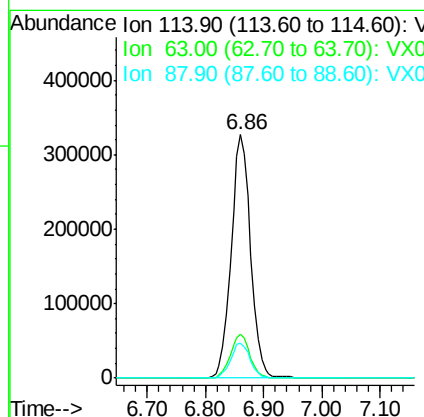
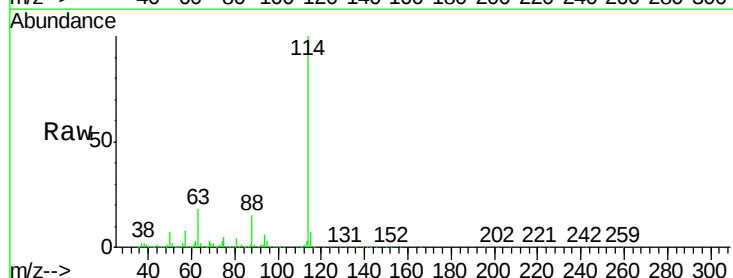
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.6
88	14.6	0.0	29.6





#35

Dibromofluoromethane

Concen: 47.740 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

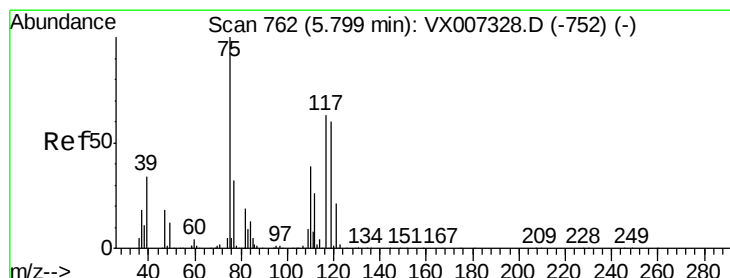
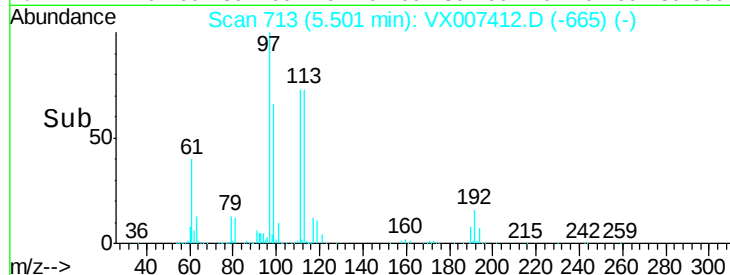
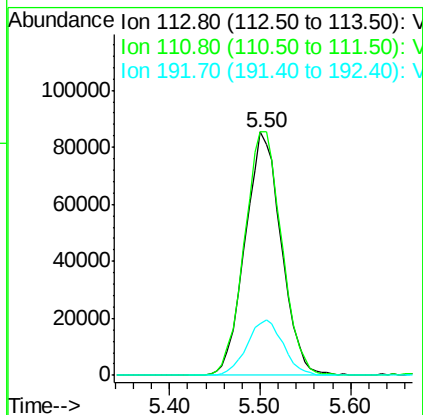
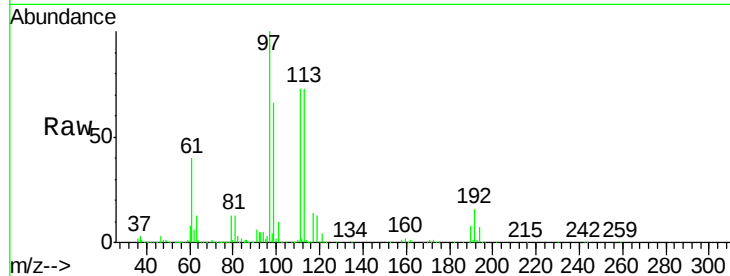
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	235058
Ion Ratio	Lower	Upper	
113	100		
111	103.6	81.8	122.8
192	23.1	18.5	27.7

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#36

1,1-Dichloropropene

Concen: 44.577 ug/l

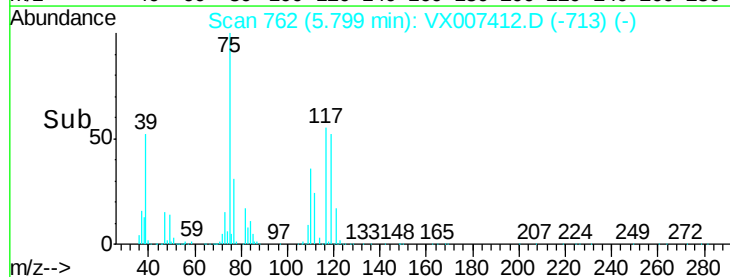
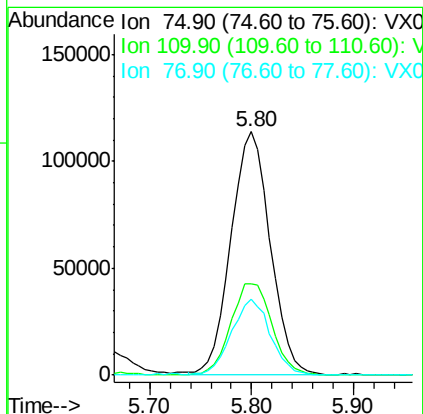
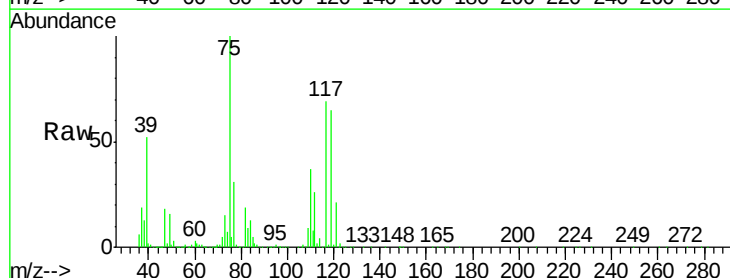
RT: 5.80 min Scan# 762

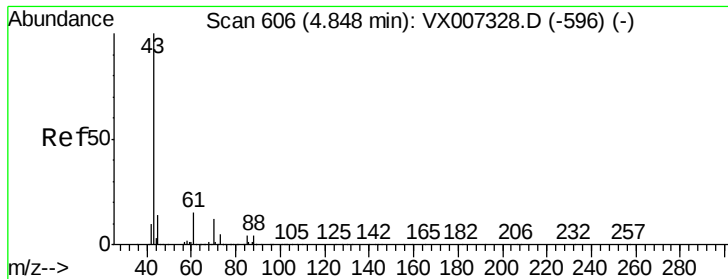
Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	75	Resp:	302664
Ion Ratio	Lower	Upper	
75	100		
110	39.8	20.0	59.9
77	30.8	24.7	37.1





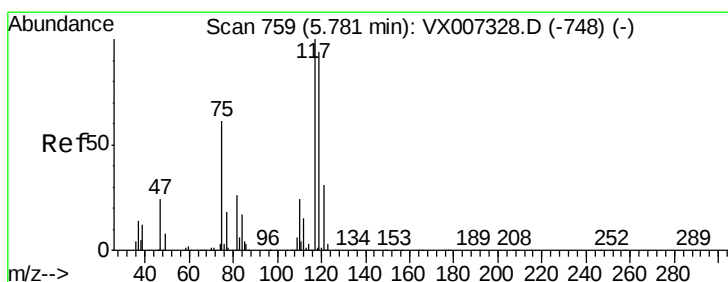
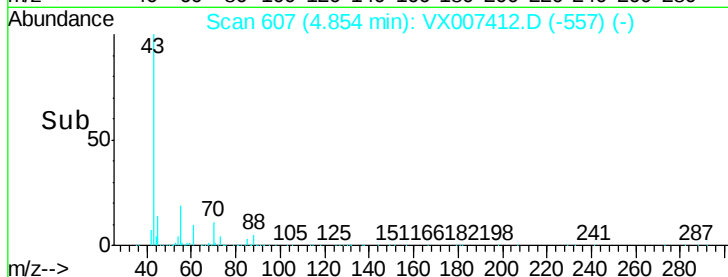
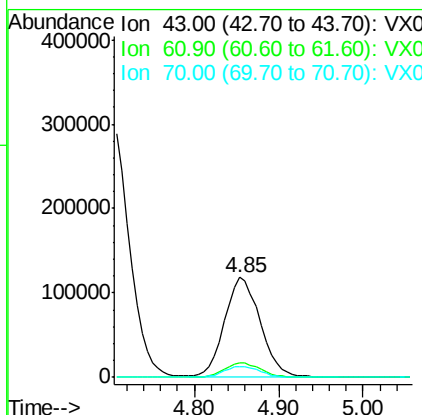
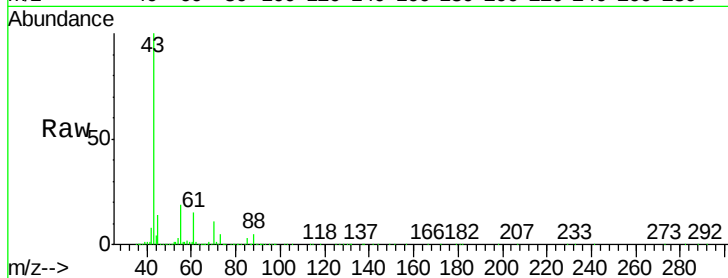
#37
Ethyl Acetate
Concen: 49.586 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.3	16.9
70	11.3	8.6	13.0

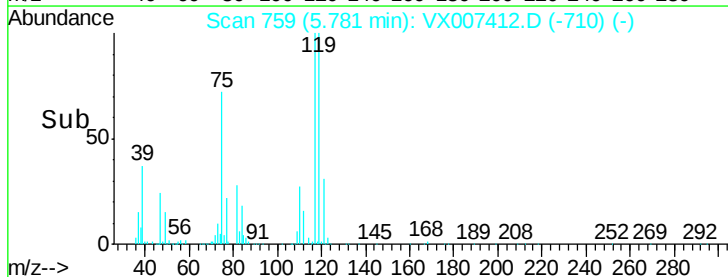
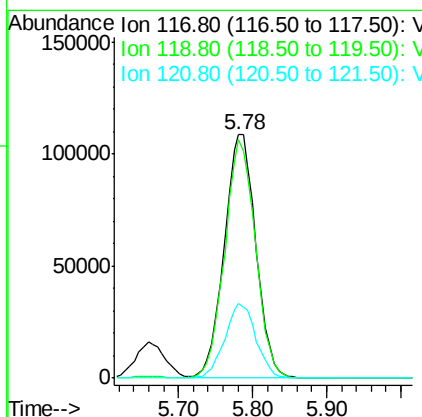
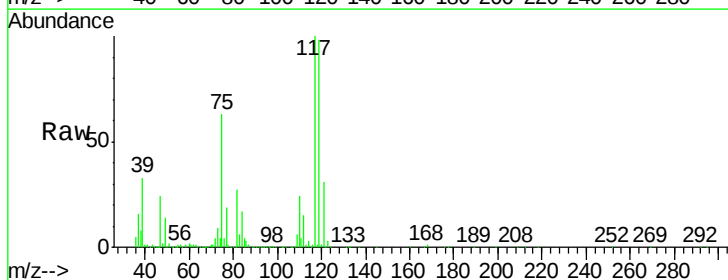
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#38
Carbon Tetrachloride
Concen: 48.971 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.3	112.9
121	30.5	25.0	37.4





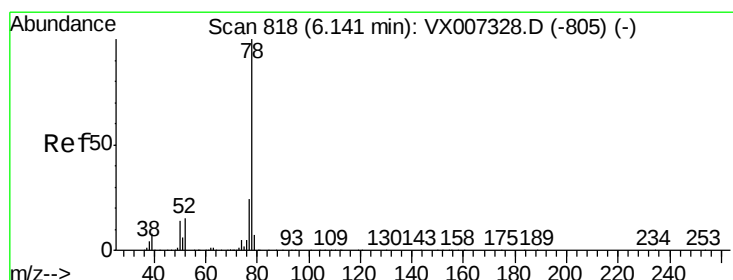
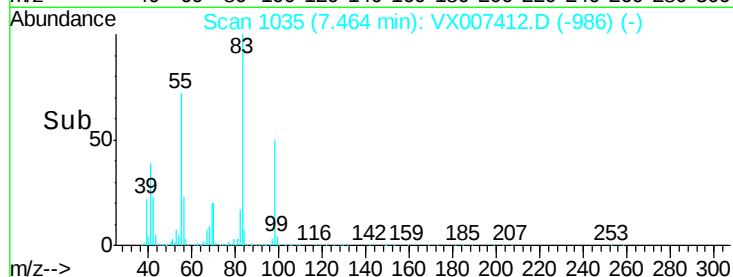
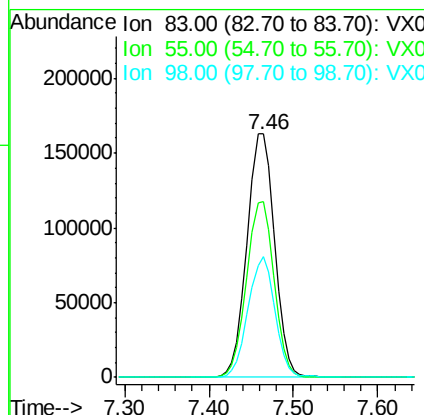
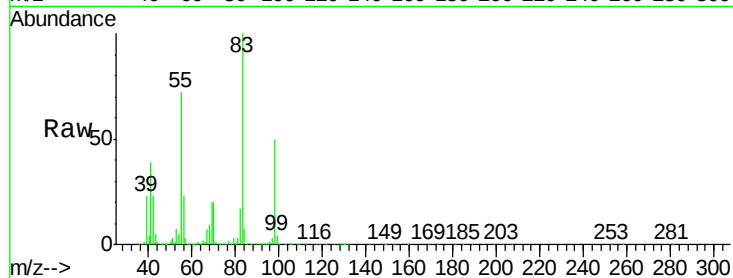
#39
Methvlcvclohexane
Concen: 44.073 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	56.2	84.2
98	49.8	36.8	55.2

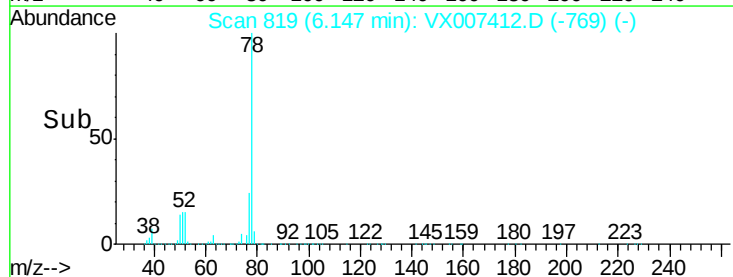
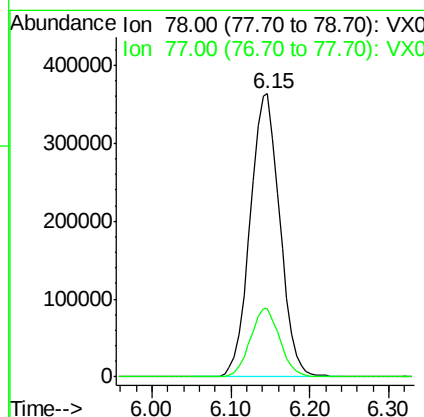
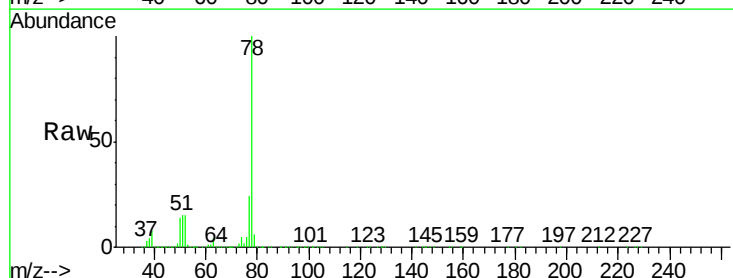
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#40
Benzene
Concen: 47.437 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





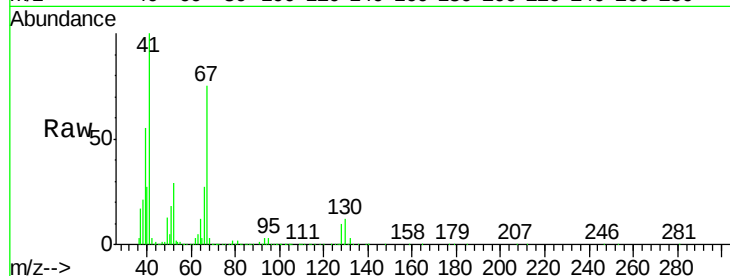
#41
Methacrylonitrile
Concen: 50.387 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

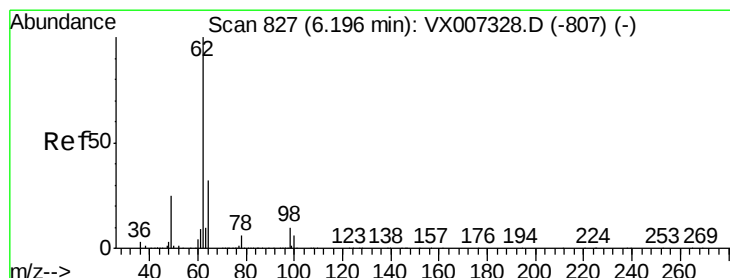
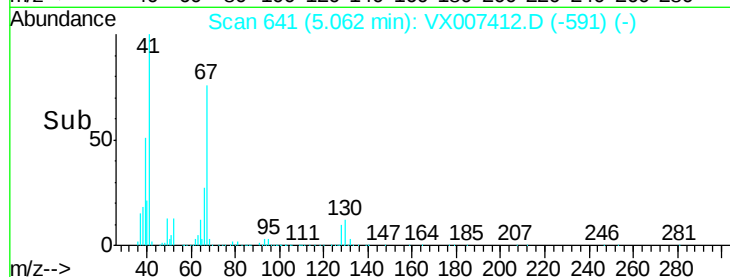
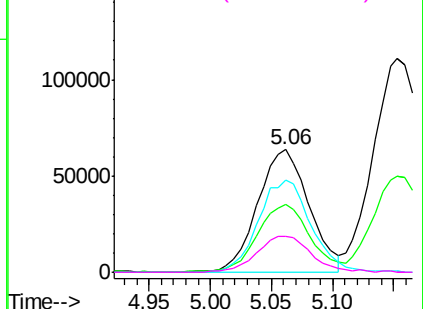
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	44.5	66.7	
67	77.6	60.4	90.6	
52	30.4	24.1	36.1	

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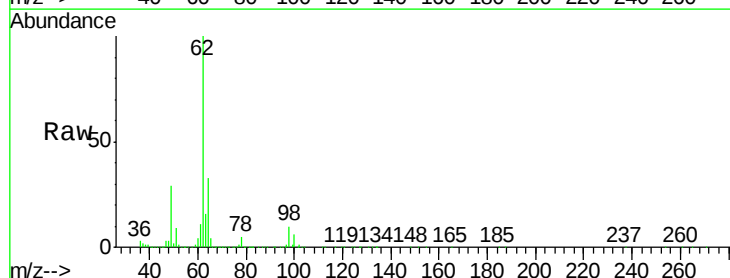


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

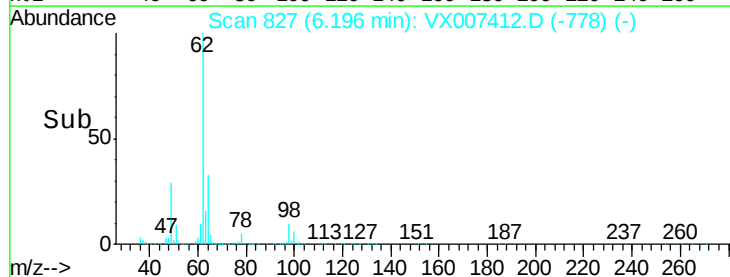
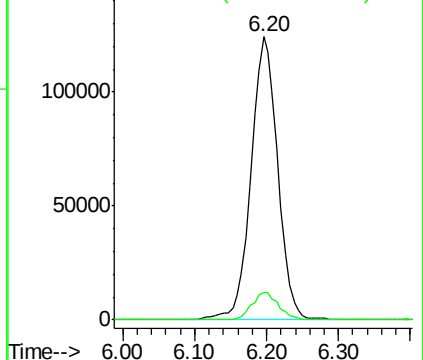


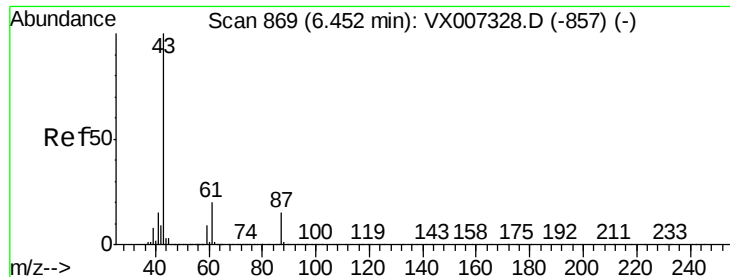
#42
1,2-Dichloroethane
Concen: 45.911 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.0	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

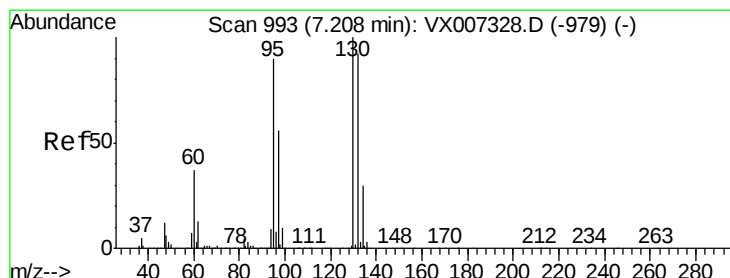
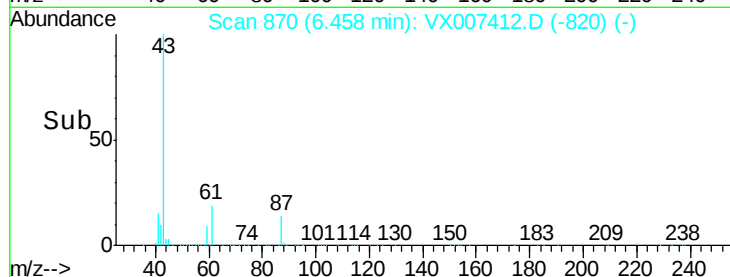
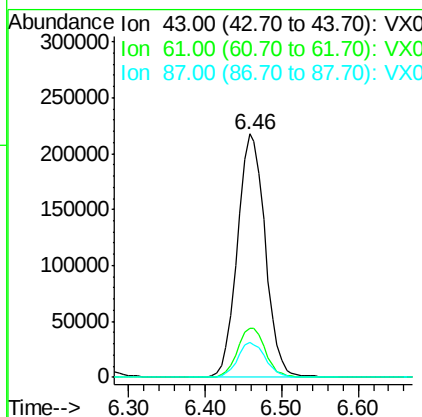
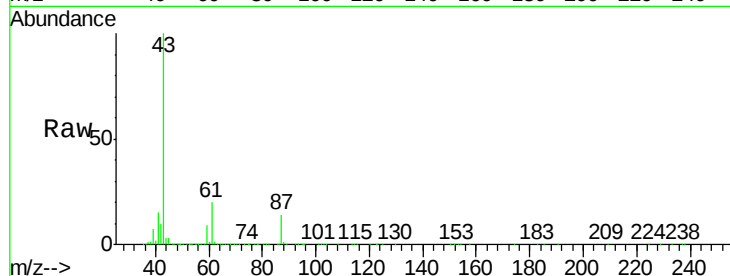
Isopropyl Acetate
 Concen: 51.392 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.01 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.1	24.1
87	14.5	11.5	17.3

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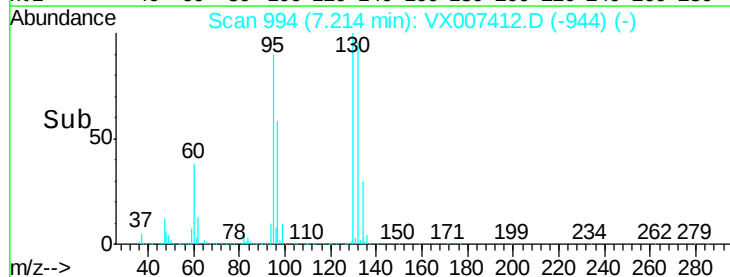
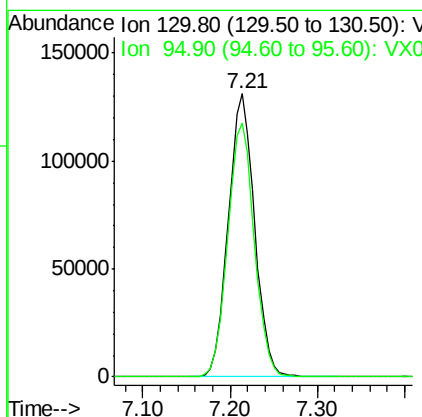
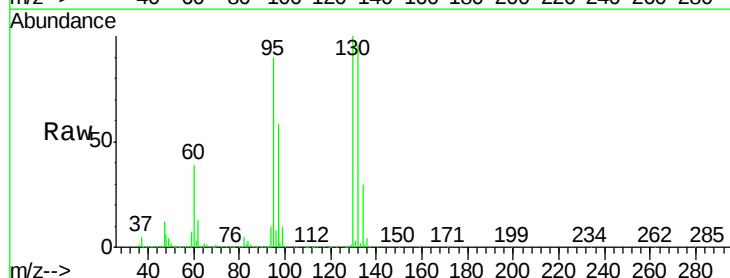
MMDadoda
 2/7/2019 9:53:22 AM

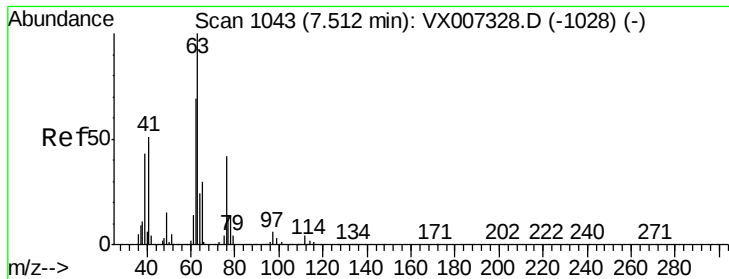


#44

Trichloroethene
 Concen: 45.600 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	180.0





#45

1,2-Dichloropropane

Concen: 47.629 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 238673

Ion Ratio Lower Upper

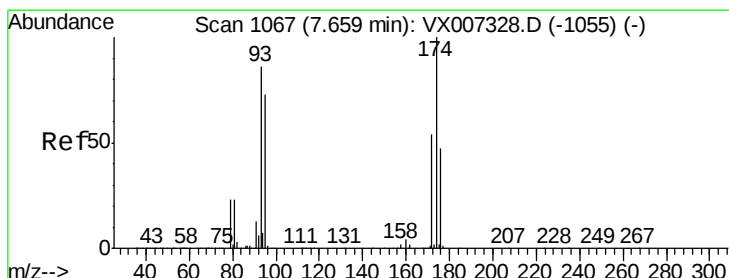
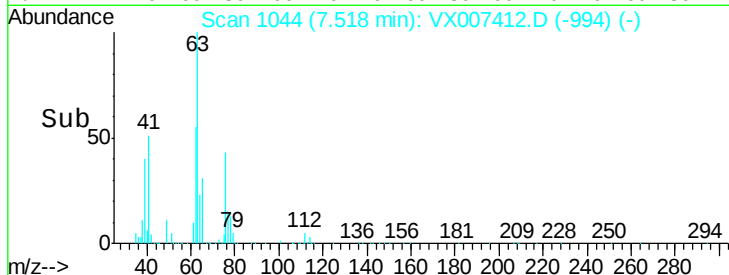
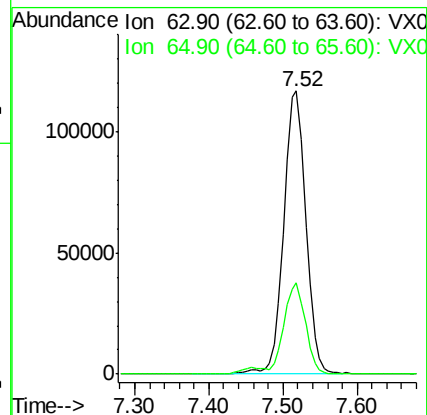
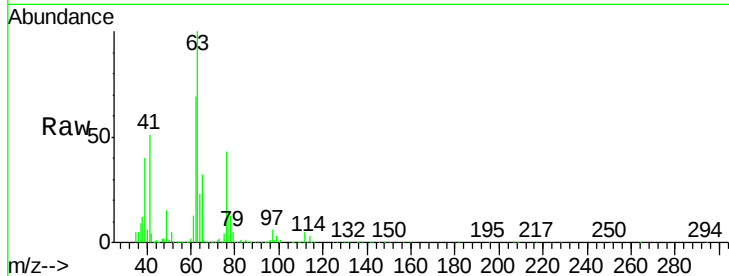
63 100

65 32.3 24.2 36.2

Manual Integrations
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#46

Dibromomethane

Concen: 45.895 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

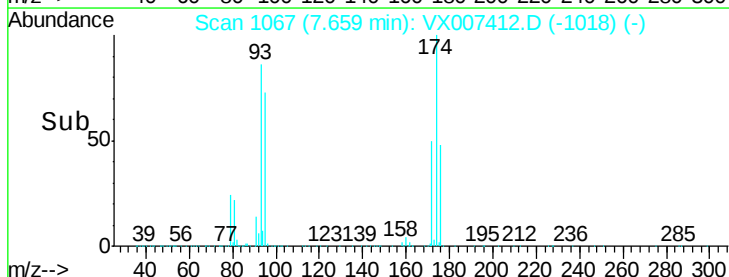
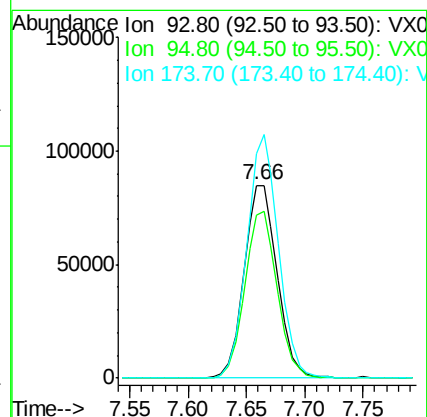
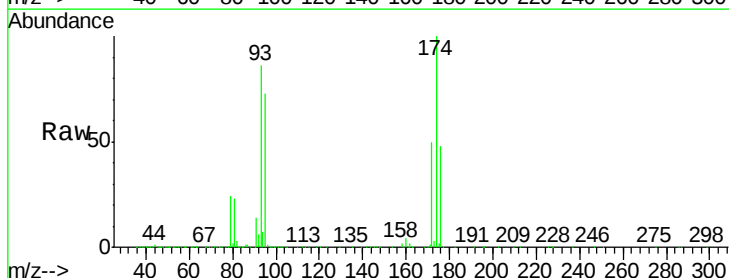
Tgt Ion: 93 Resp: 167155

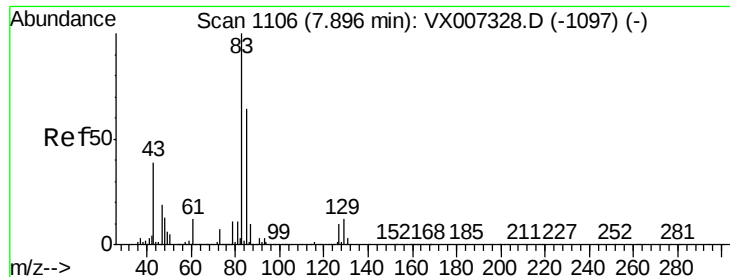
Ion Ratio Lower Upper

93 100

95 85.3 67.6 101.4

174 121.2 94.2 141.4





#47

Bromodichloromethane

Concen: 48.446 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

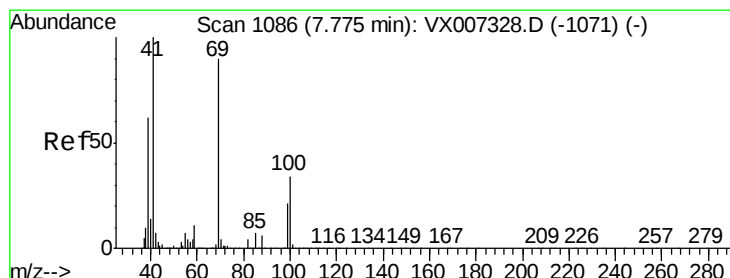
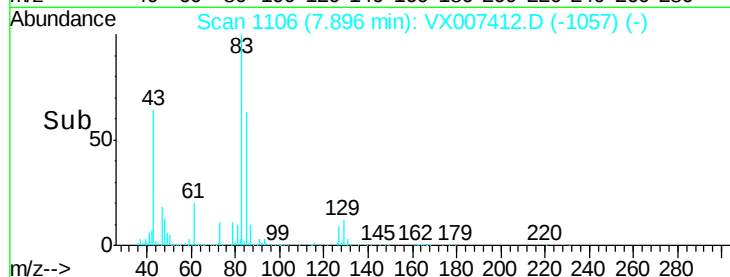
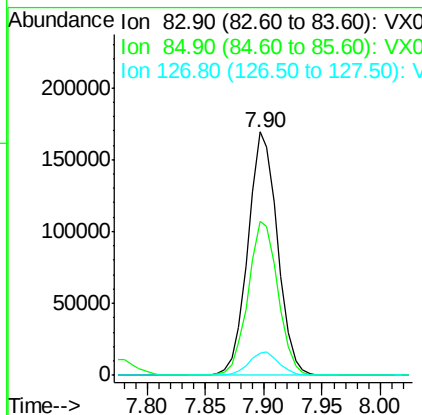
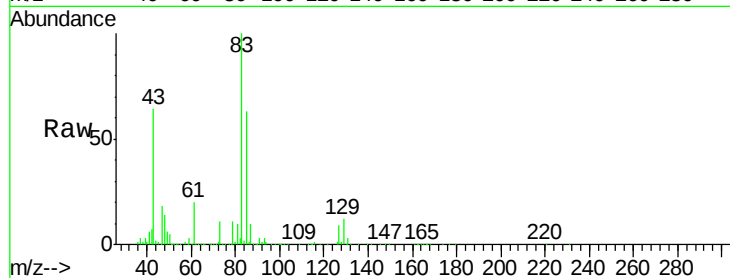
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	299035
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.4	77.0
127	9.0	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.822 ug/l

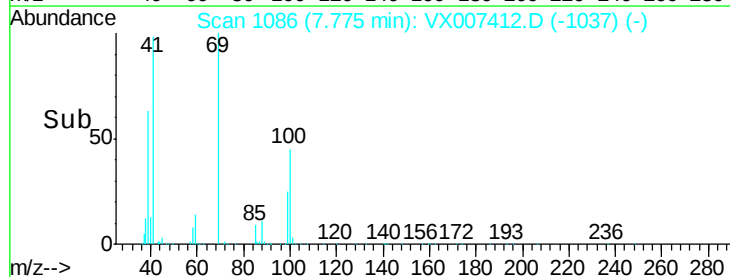
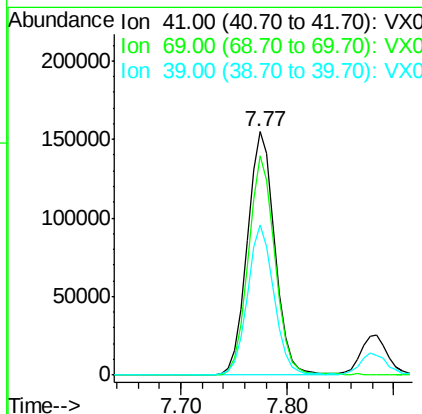
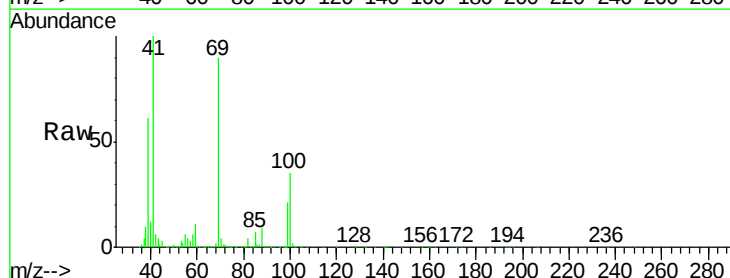
RT: 7.77 min Scan# 1086

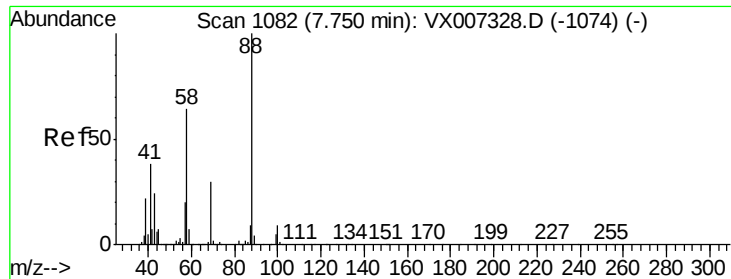
Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	41	Resp:	279901
Ion Ratio	Lower	Upper	
41	100		
69	87.7	70.2	105.4
39	58.8	47.4	71.0





#49

1,4-Dioxane

Concen: 1018.534 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

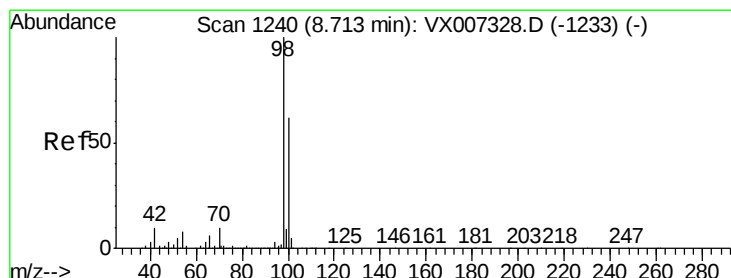
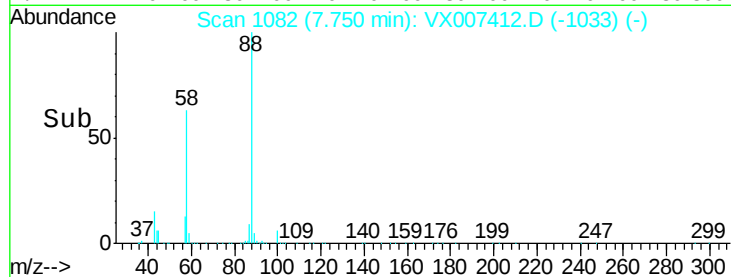
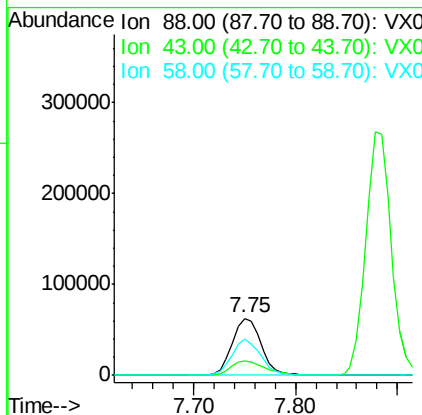
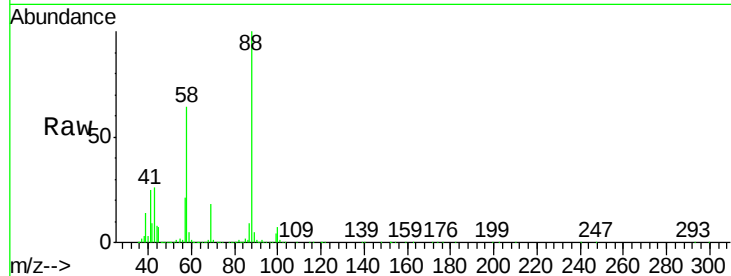
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	122758
Ion Ratio		Lower	Upper
88	100		
43	29.2	24.2	36.4
58	63.6	53.0	79.4

Manual Integrations
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#50

Toluene-d8

Concen: 47.862 ug/l

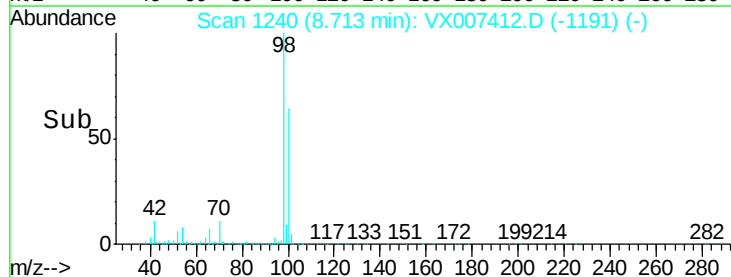
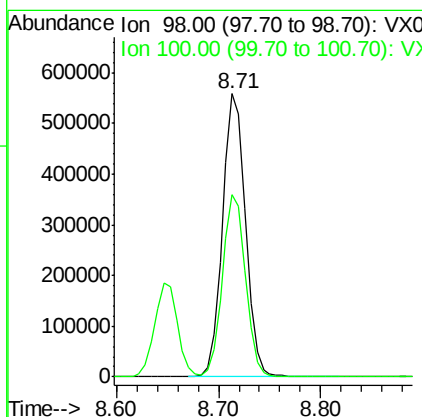
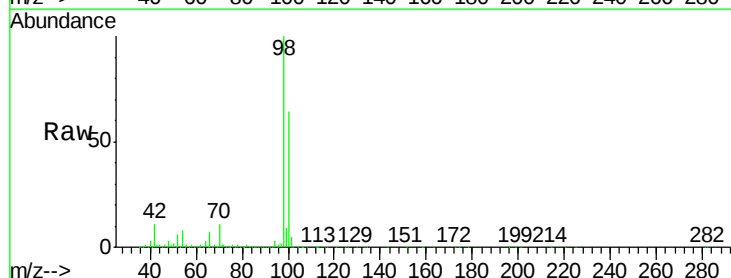
RT: 8.71 min Scan# 1240

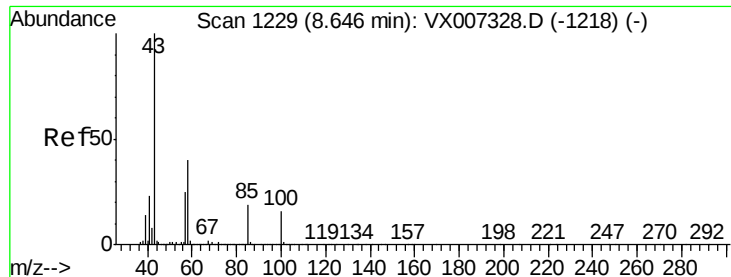
Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	98	Resp:	874340
Ion Ratio		Lower	Upper
98	100		
100	64.3	51.6	77.4





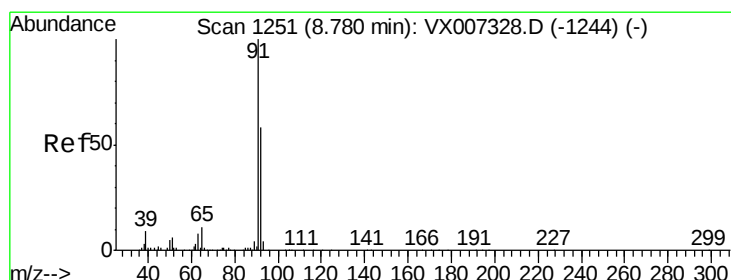
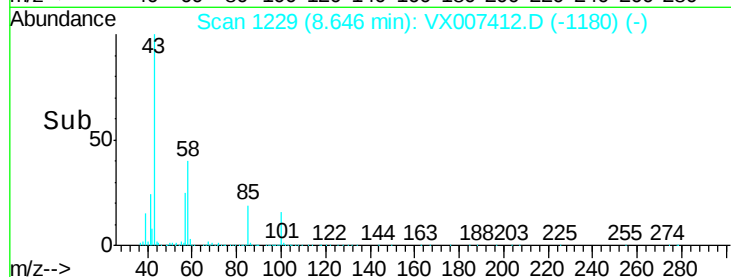
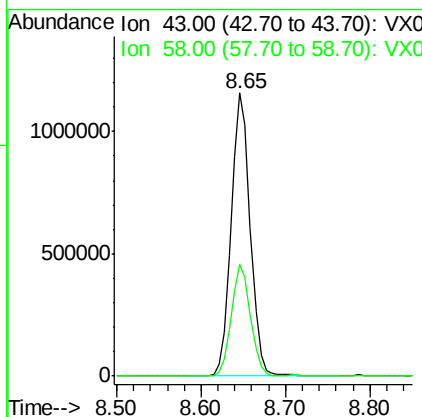
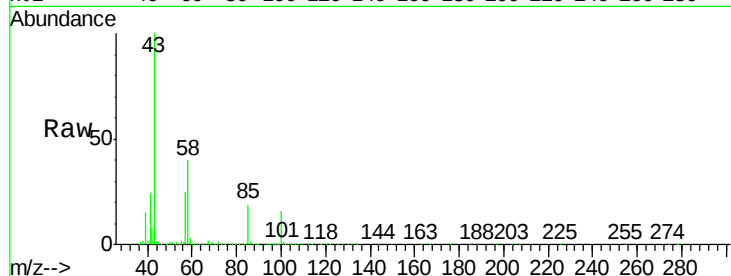
#51
4-Methyl-2-Pentanone
Concen: 254.615 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1775680
Ion Ratio Lower Upper
43 100
58 39.4 31.2 46.8

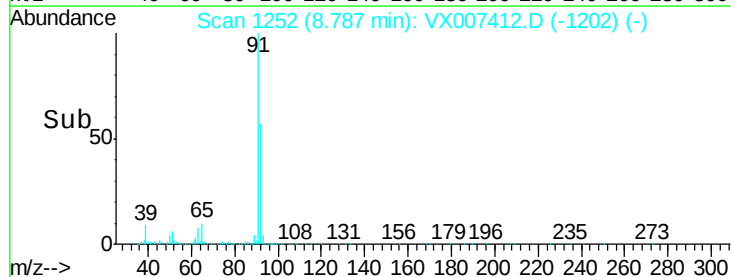
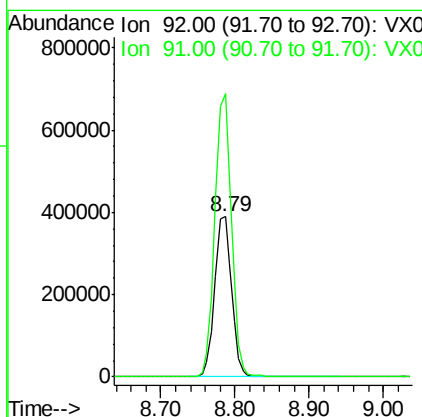
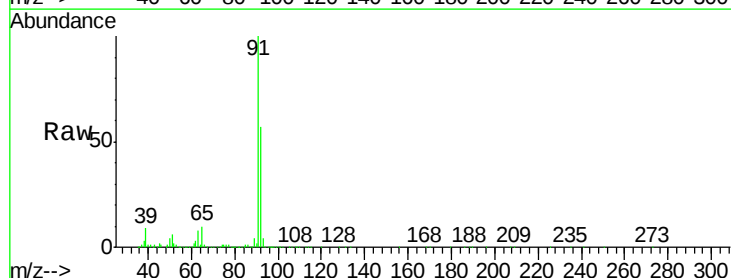
Manual Integrations
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#52
Toluene
Concen: 47.003 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion: 92 Resp: 606518
Ion Ratio Lower Upper
92 100
91 174.5 139.1 208.7





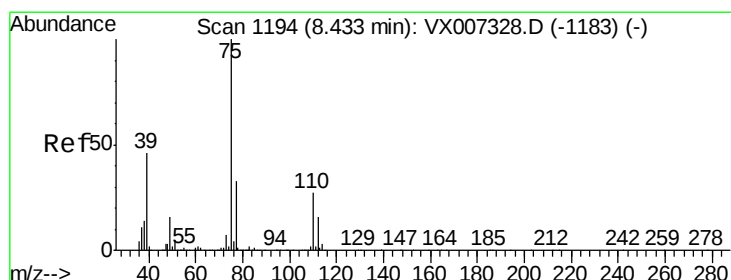
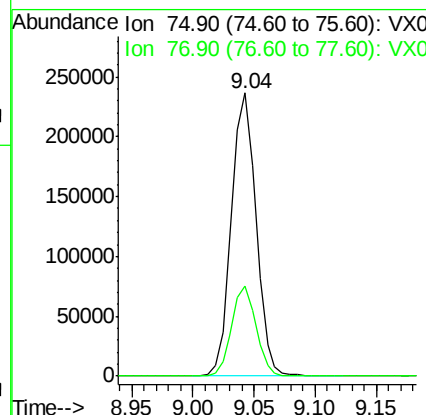
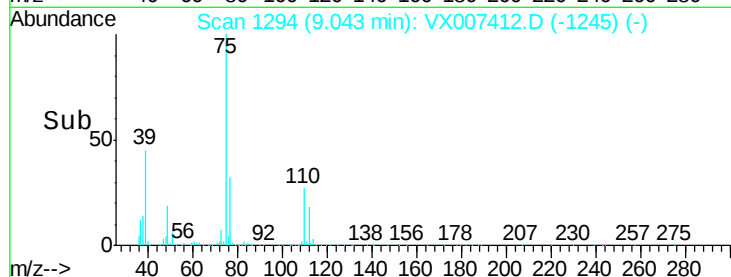
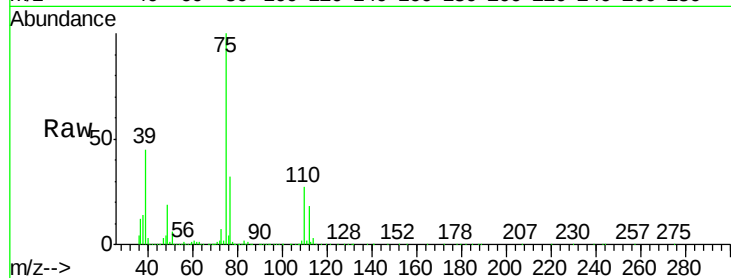
#53
t-1,3-Dichloropropene
Concen: 49.695 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8

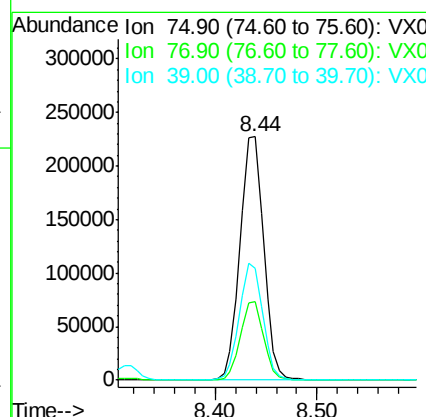
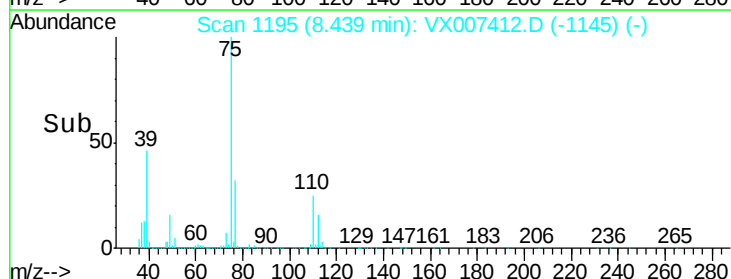
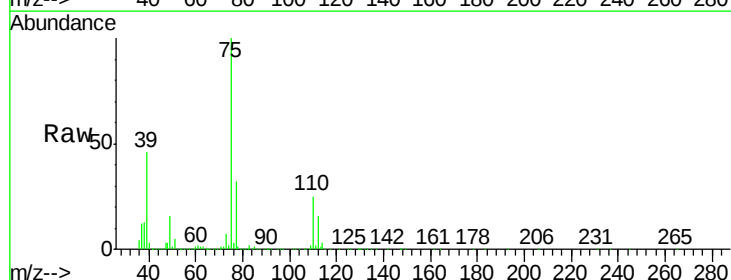
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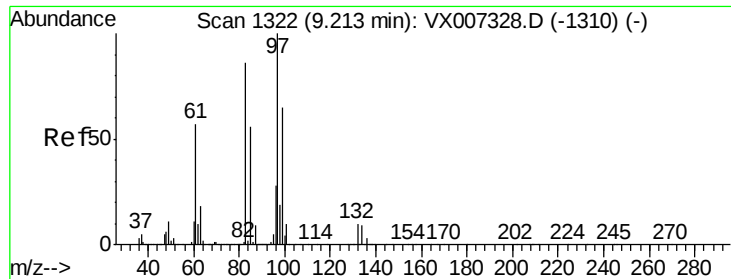
MMDadoda
2/7/2019 9:53:22 AM



#54
cis-1,3-Dichloropropene
Concen: 50.051 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.2	39.4
39	45.7	37.1	55.7





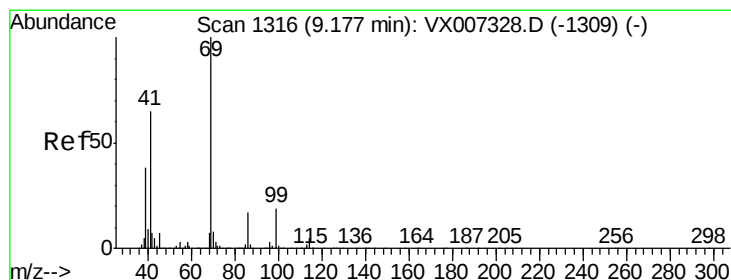
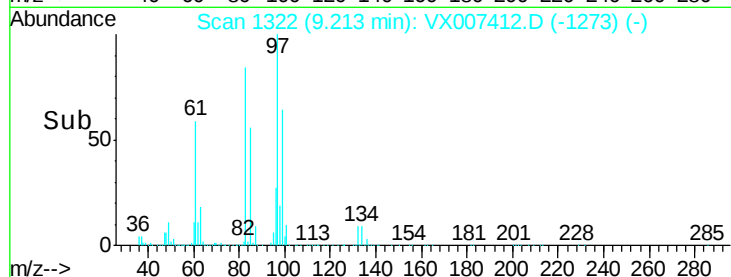
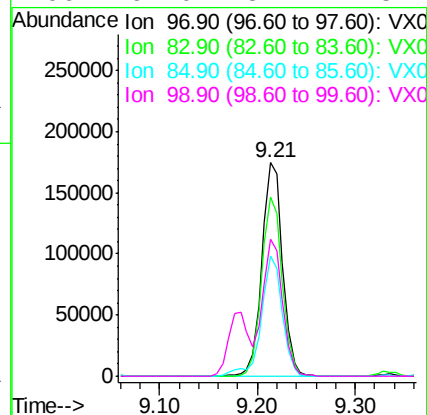
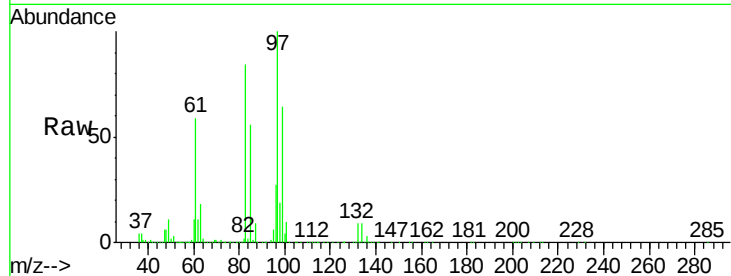
#55
 1,1,2-Trichloroethane
 Concen: 47.523 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		255621		
83	83.7	68.6	102.8		
85	56.3	44.5	66.7		
99	64.0	52.2	78.4		

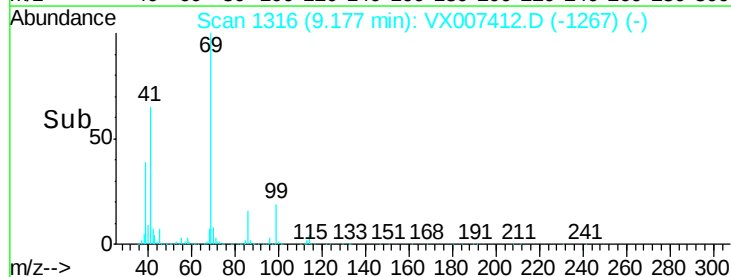
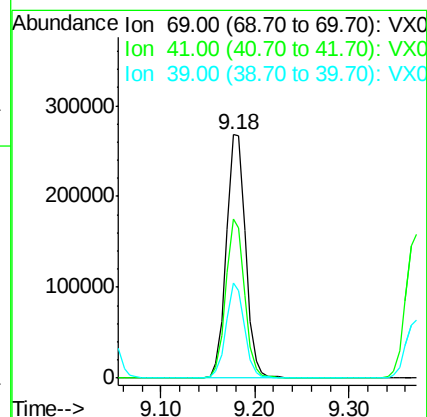
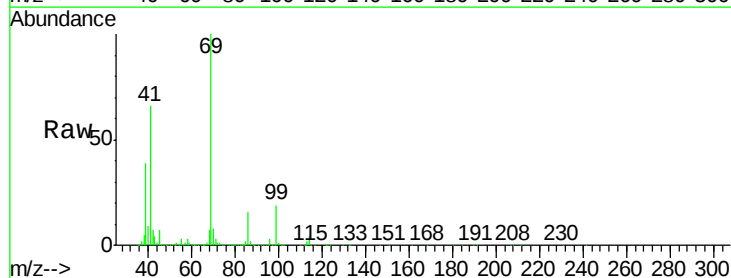
Manual Integrations
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 2/7/2019 9:53:22 AM



#56
 Ethyl methacrylate
 Concen: 51.008 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		380002		
41	63.4	52.1	78.1		
39	36.8	30.1	45.1		





#57

1,3-Dichloropropane

Concen: 47.975 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 410382

Ion Ratio Lower Upper

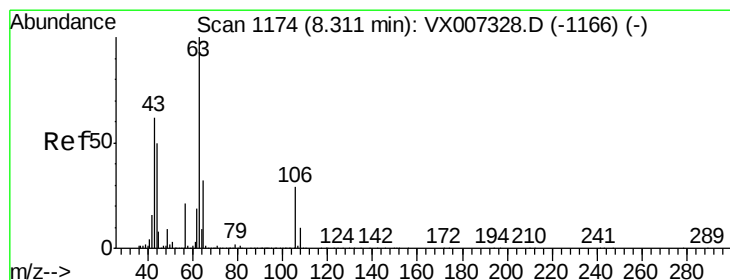
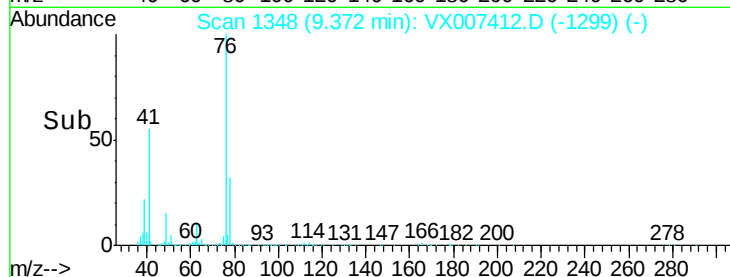
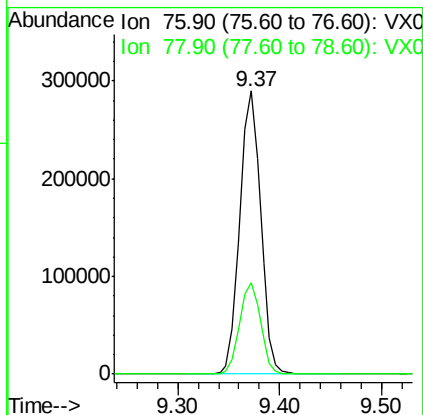
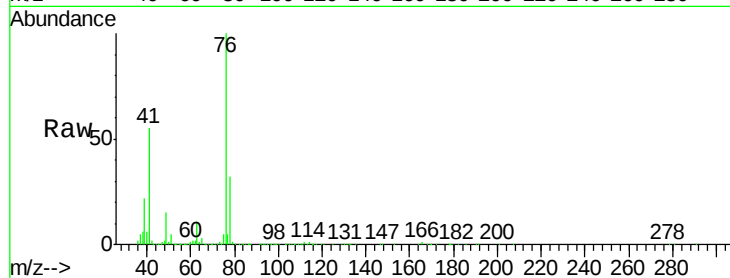
76 100

78 32.5 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 254.797 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007412.D

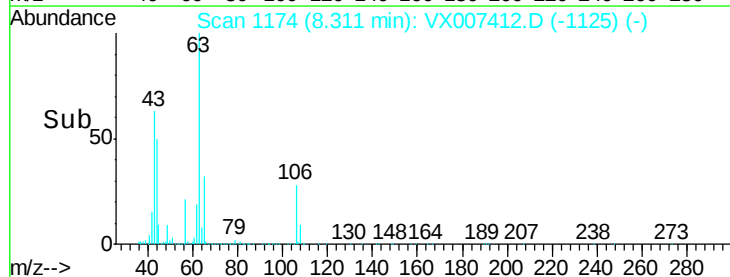
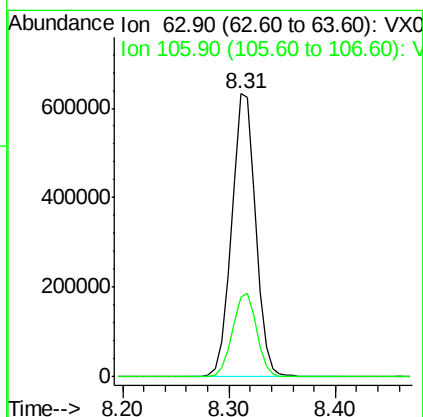
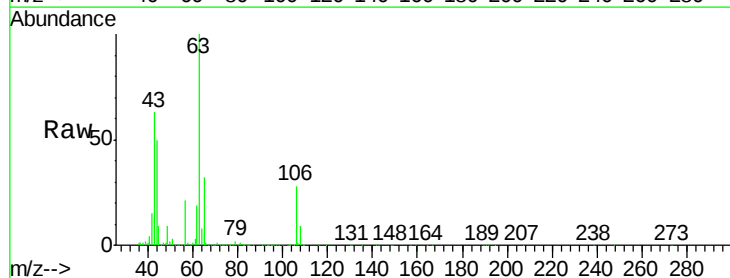
Acq: 06 Feb 2019 20:50

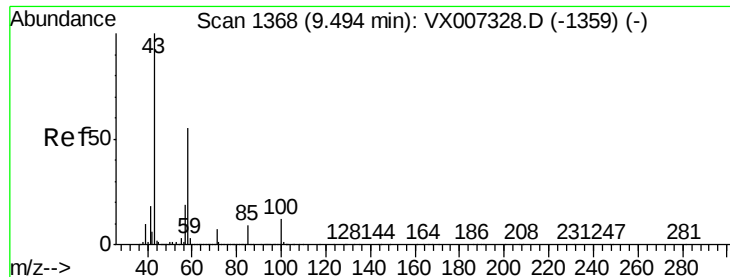
Tgt Ion: 63 Resp: 1000504

Ion Ratio Lower Upper

63 100

106 29.9 23.6 35.4





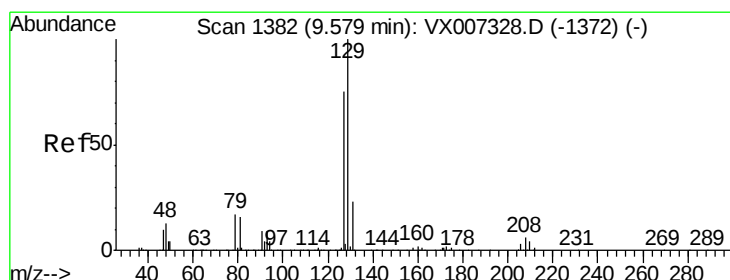
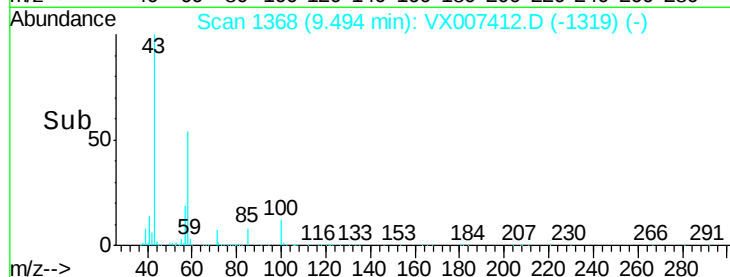
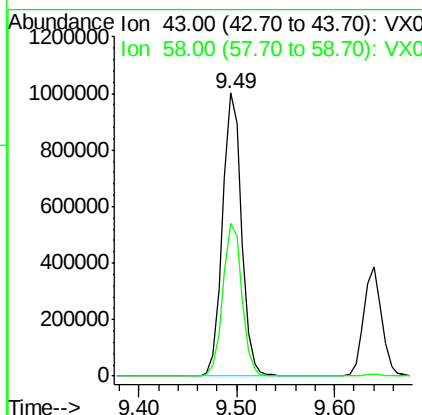
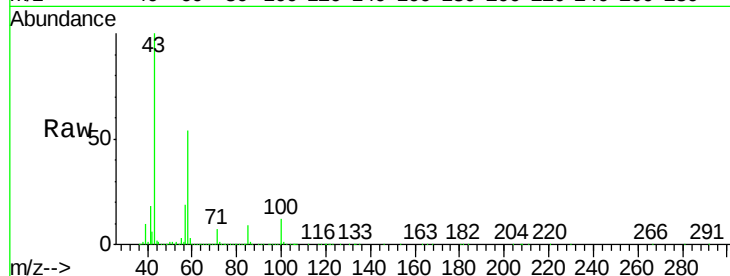
#59
2-Hexanone
Concen: 249.312 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1352998
Ion Ratio Lower Upper
43 100
58 54.4 27.1 81.3

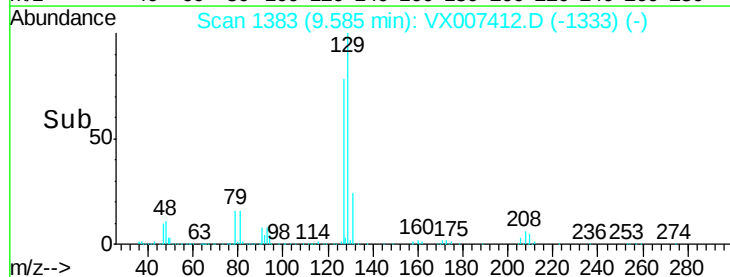
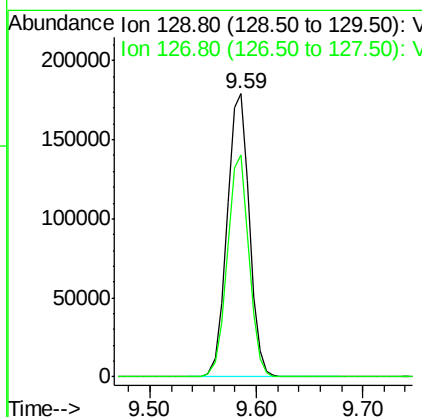
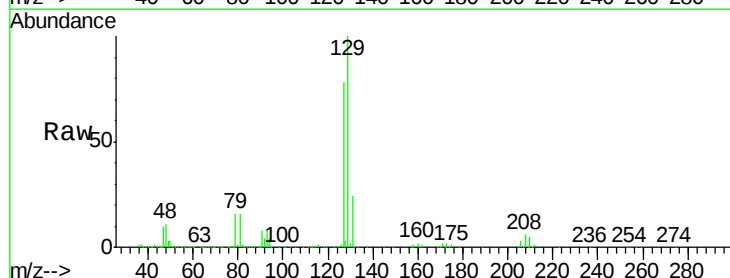
Manual Integrations
APPROVED

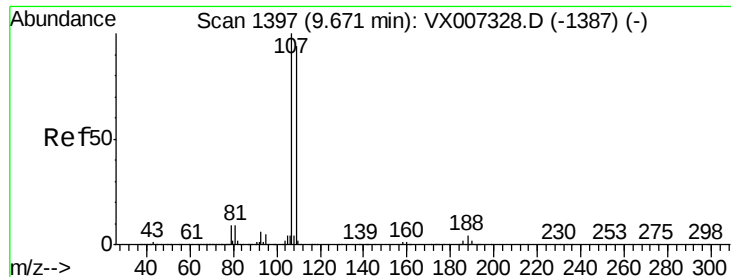
MMDadoda
2/7/2019 9:53:22 AM



#60
Dibromochloromethane
Concen: 51.565 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion: 129 Resp: 262320
Ion Ratio Lower Upper
129 100
127 76.5 37.8 113.4





#61

1,2-Dibromoethane

Concen: 49.044 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 279372

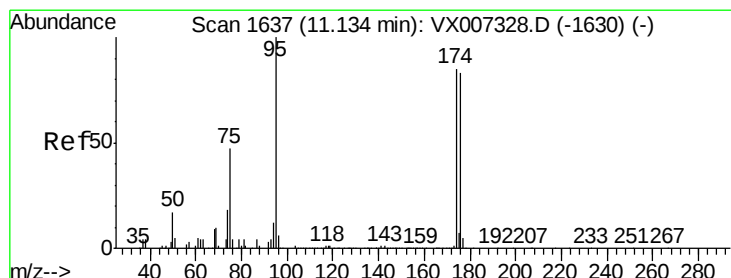
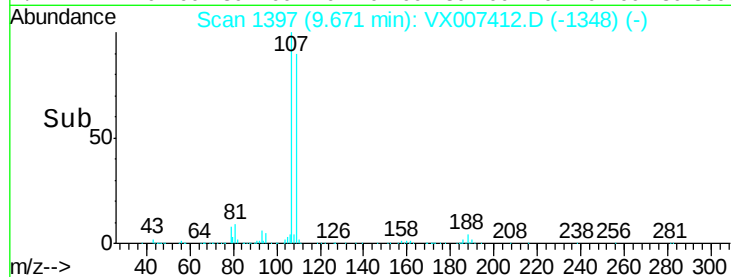
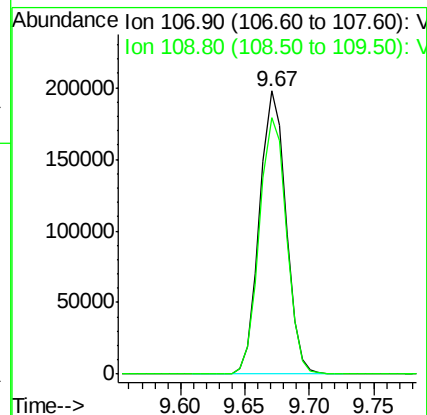
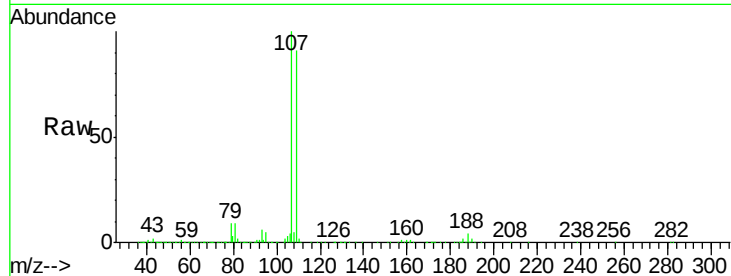
Ion Ratio Lower Upper

107 100

109 93.0 75.1 112.7

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#62

4-Bromofluorobenzene

Concen: 47.019 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

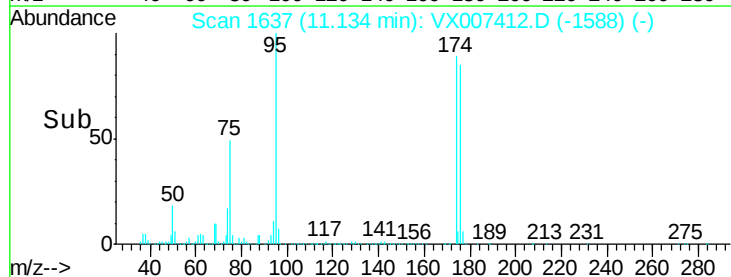
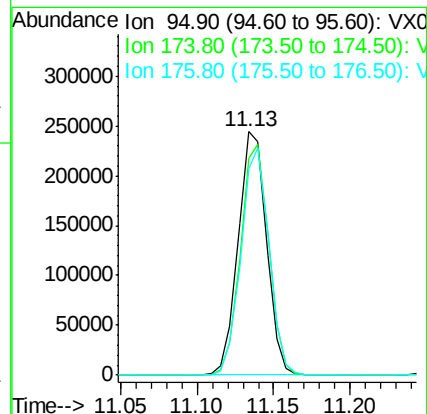
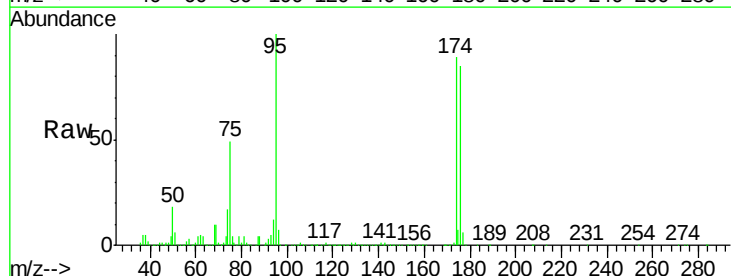
Tgt Ion: 95 Resp: 313596

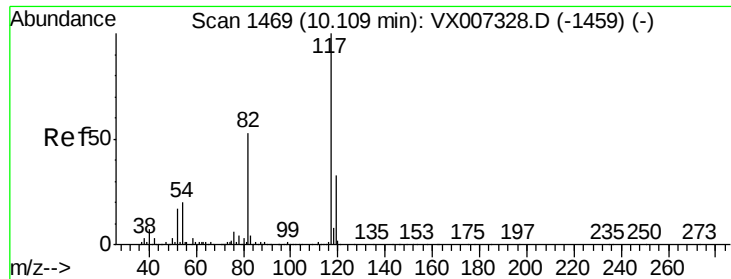
Ion Ratio Lower Upper

95 100

174 94.7 0.0 189.2

176 92.1 0.0 186.2





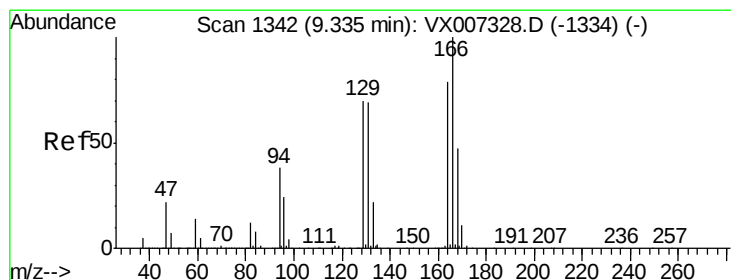
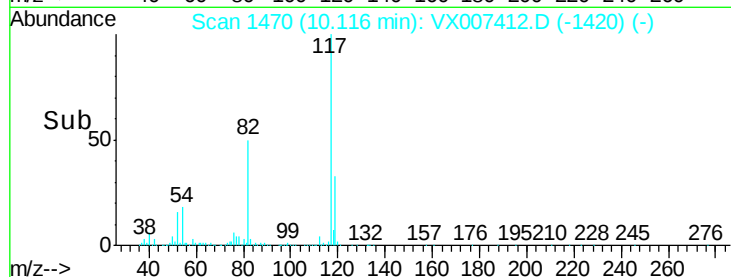
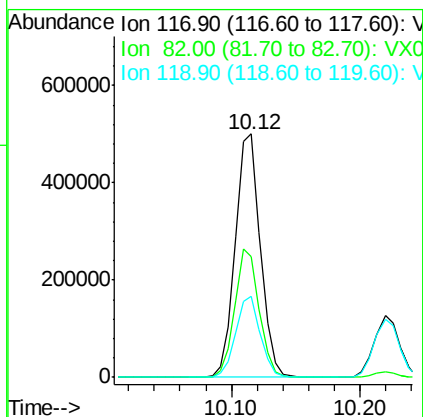
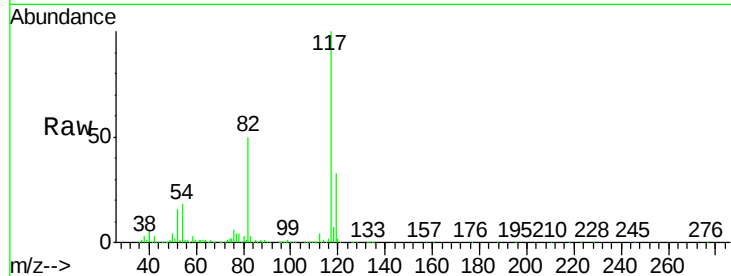
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	42.1	63.1
119	33.3	26.5	39.7

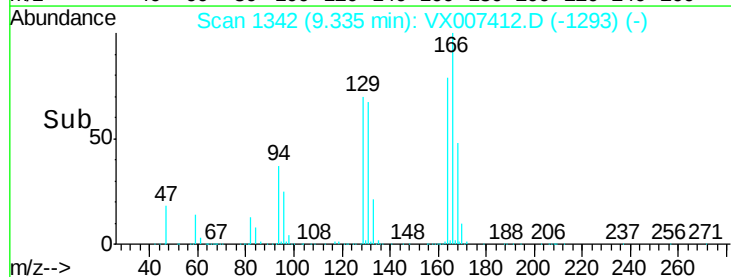
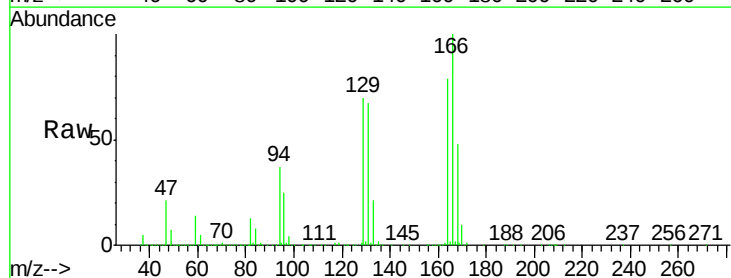
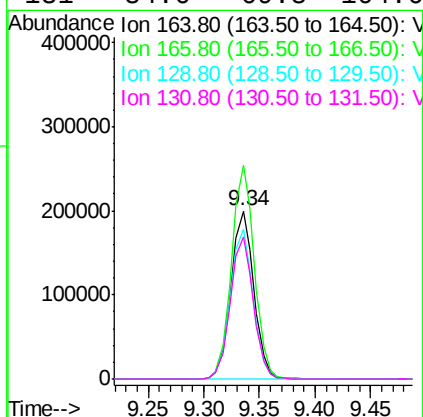
Manual Integrations
APPROVED

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2/7/2019 9:53:22 AM



#64
Tetrachloroethene
Concen: 44.029 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.0	151.4
129	89.1	70.5	105.7
131	84.6	69.8	104.6





#65

Chlorobenzene

Concen: 47.106 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 699503

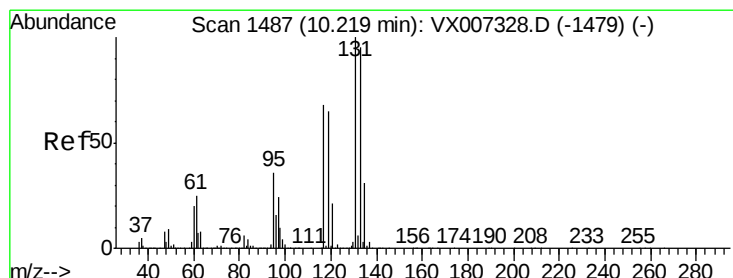
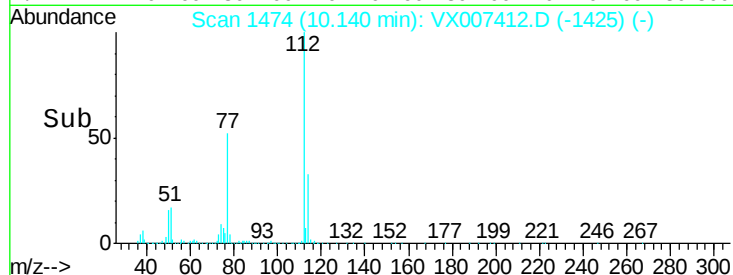
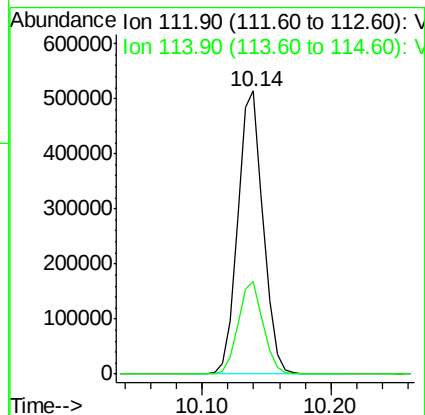
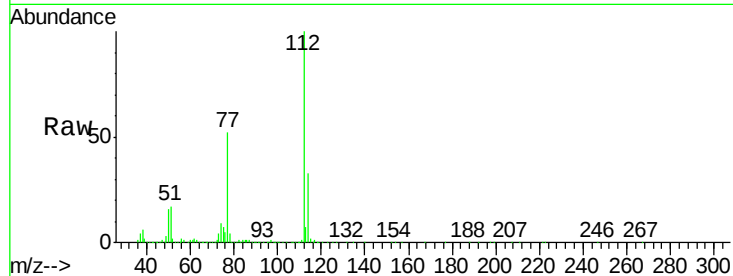
Ion Ratio Lower Upper

112 100

114 32.7 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 50.867 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

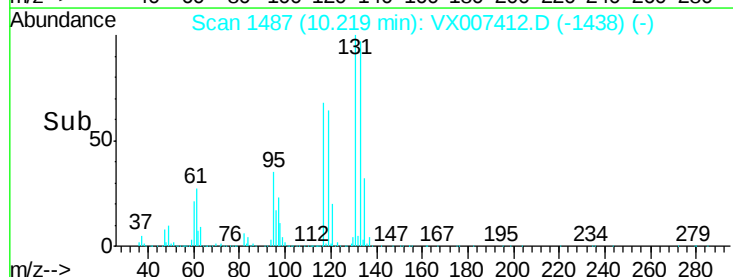
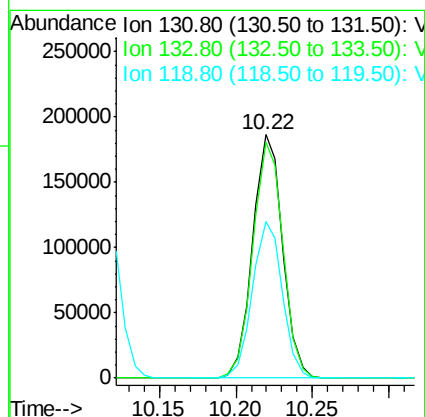
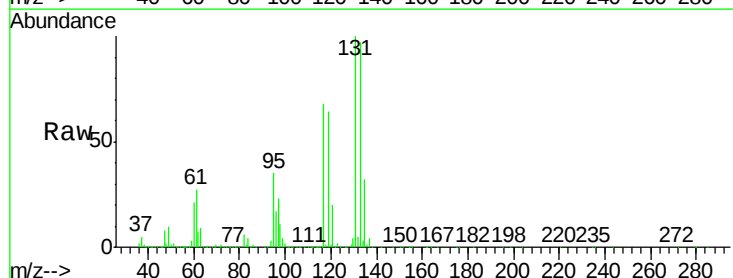
Tgt Ion:131 Resp: 253249

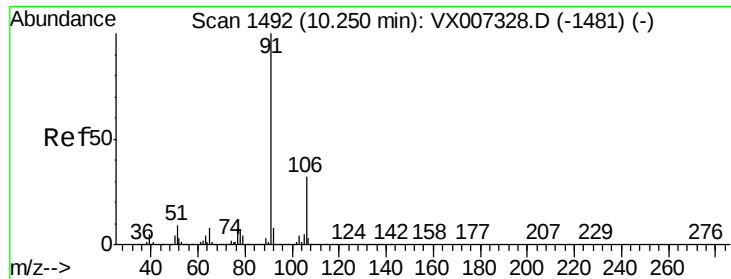
Ion Ratio Lower Upper

131 100

133 97.5 48.0 144.2

119 64.4 32.0 96.0





#67

Ethyl Benzene

Concen: 48.588 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1161902

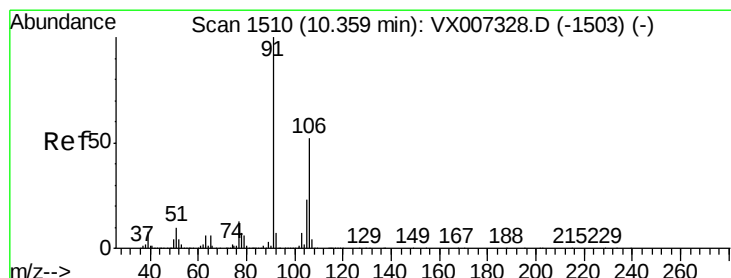
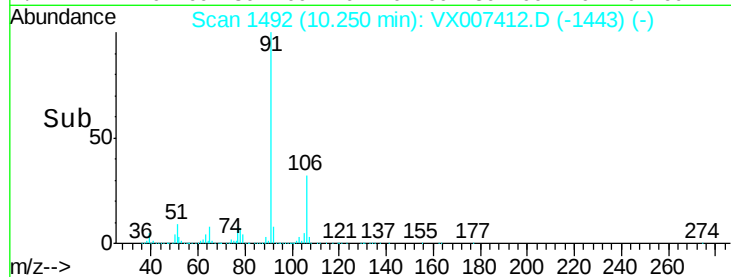
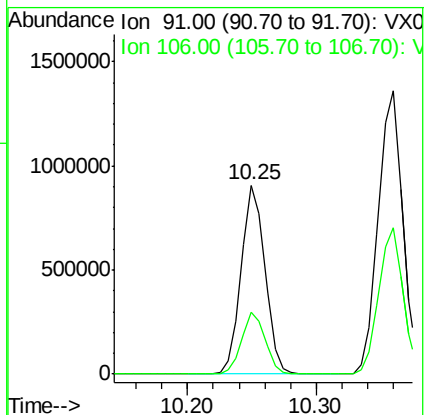
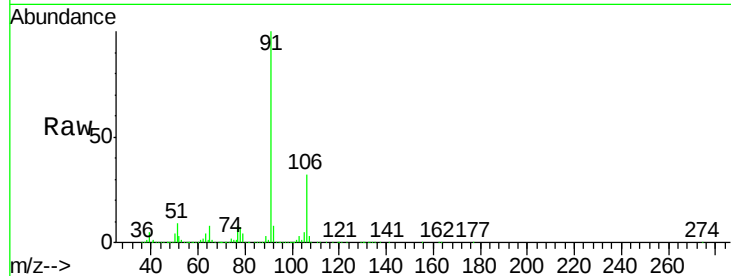
Ion Ratio Lower Upper

91 100

106 32.4 25.4 38.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 95.999 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007412.D

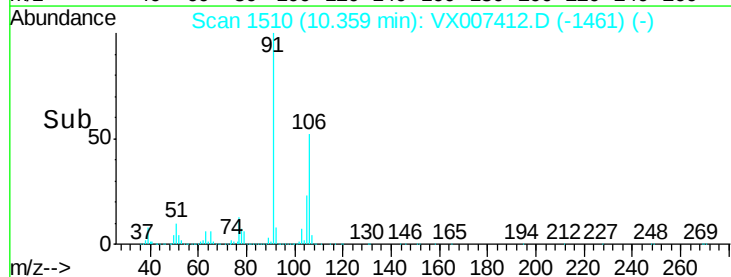
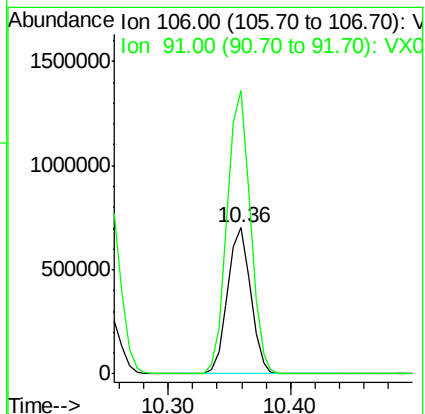
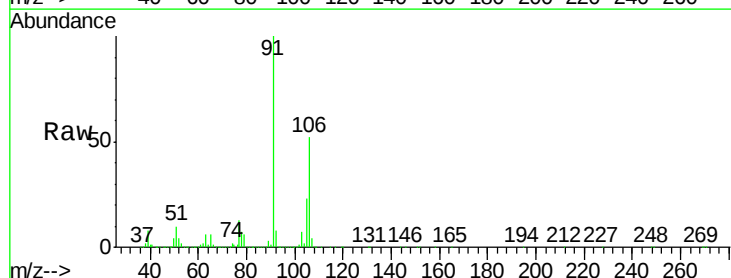
Acq: 06 Feb 2019 20:50

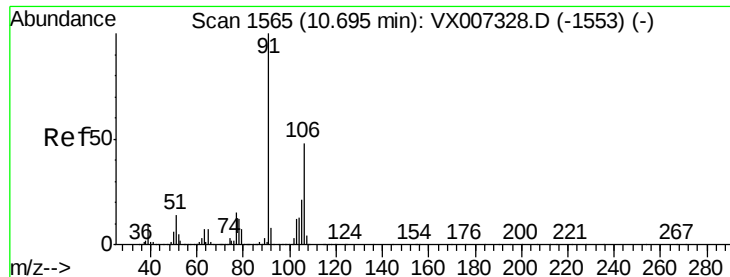
Tgt Ion: 106 Resp: 912552

Ion Ratio Lower Upper

106 100

91 195.6 156.6 234.8





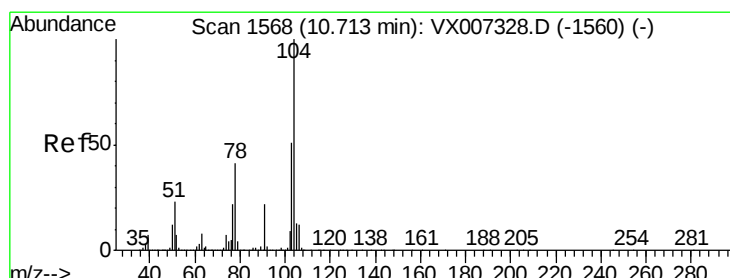
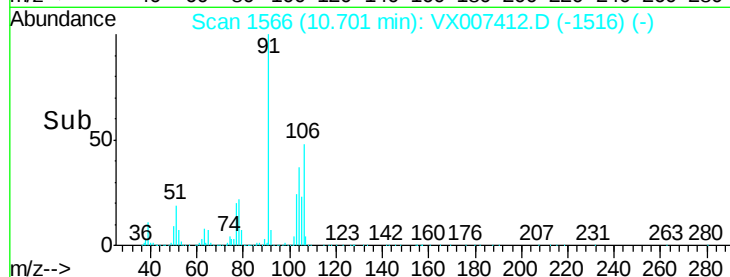
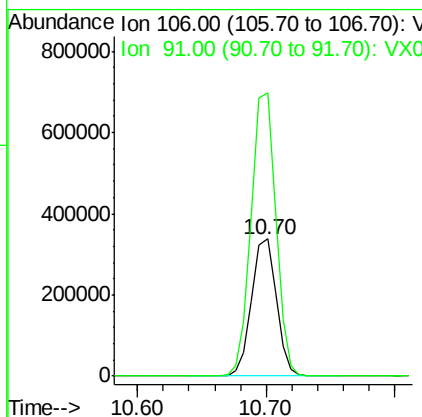
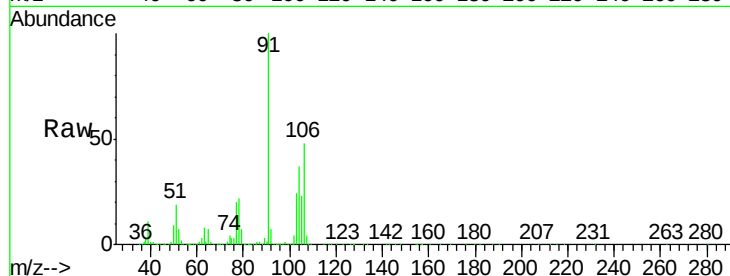
#69
o-Xylene
Concen: 48.855 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	206.6	102.9	308.7	

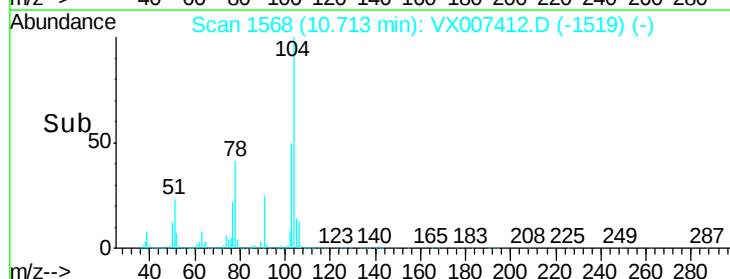
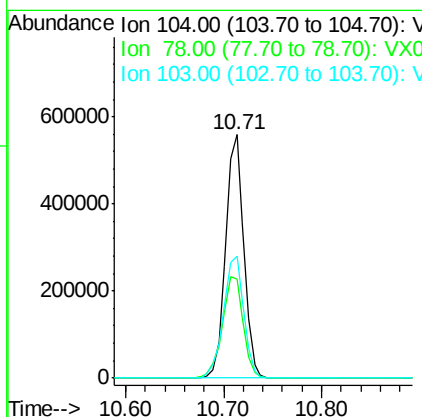
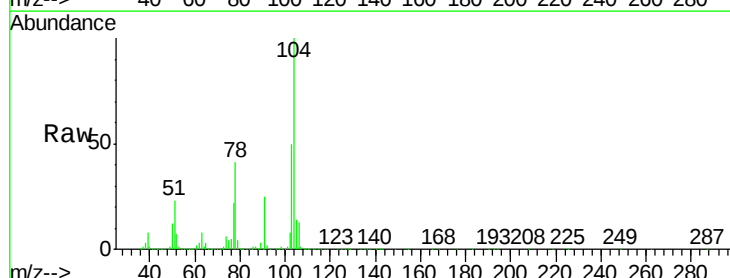
Manual Integrations
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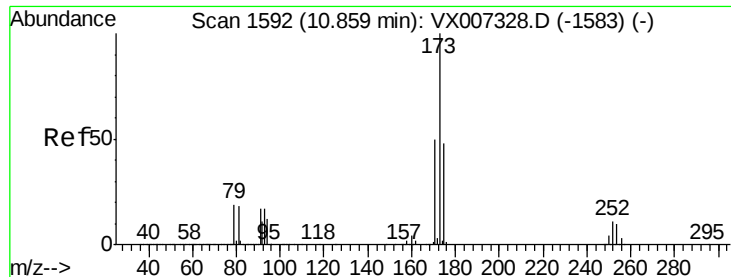
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#70
Styrene
Concen: 48.517 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	47.6	38.3	57.5	
103	56.2	44.6	67.0	





#71

Bromoform

Concen: 45.618 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

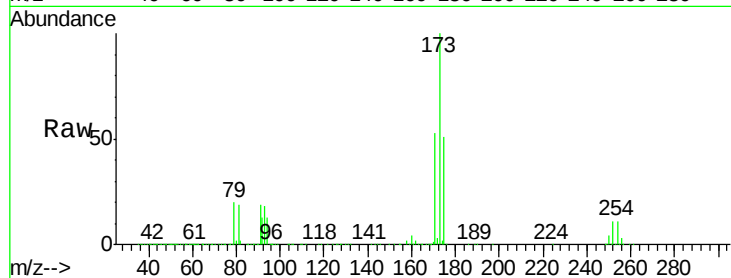
ClientSampleId :

VSTDCCC050EC

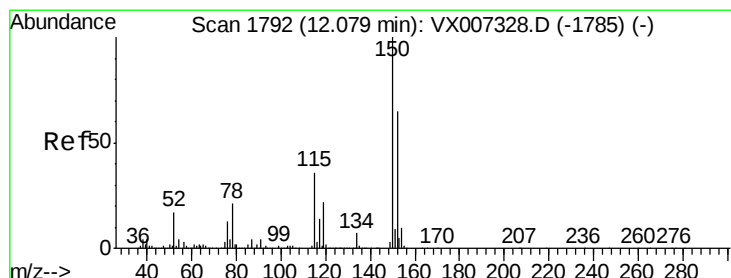
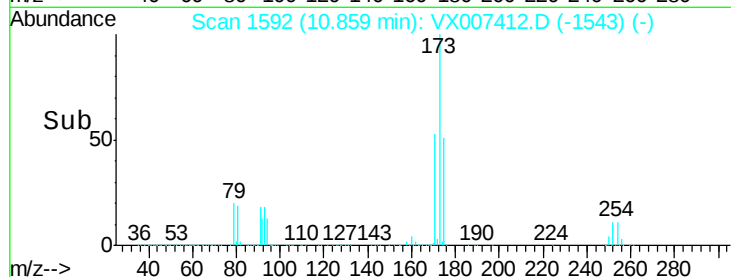
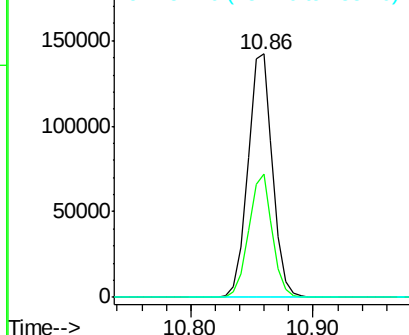
Tot Ion:	173	Resp:	197521
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.2	72.6
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

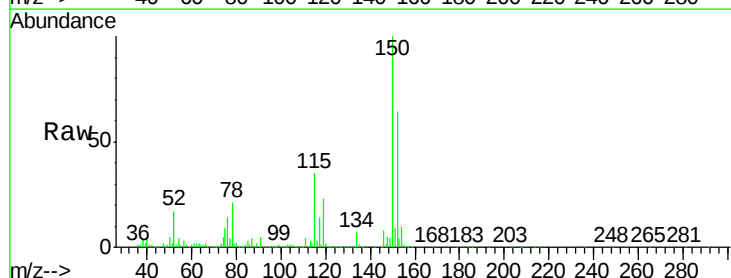
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

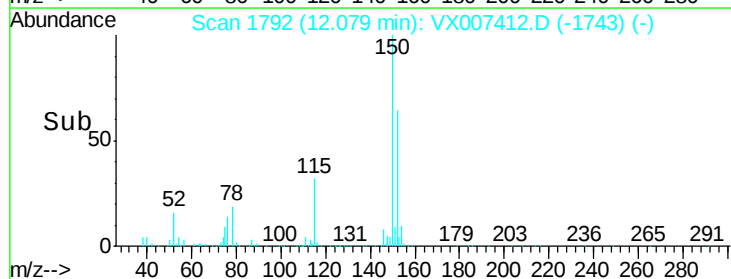
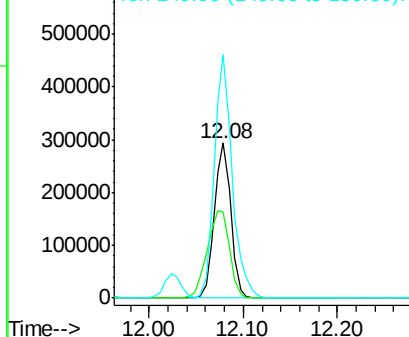
Lab File: VX007412.D

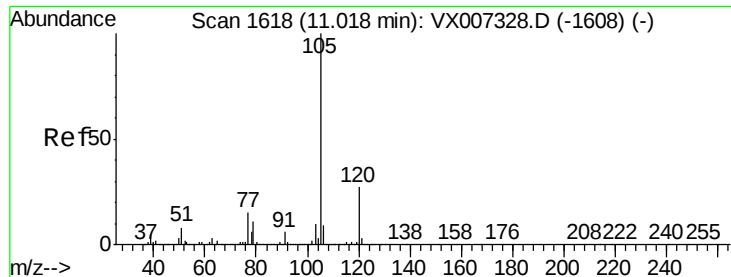
Acq: 06 Feb 2019 20:50

Tgt Ion:	152	Resp:	353599
Ion Ratio	Lower	Upper	
152	100		
115	75.5	38.0	114.0
150	171.4	0.0	346.4



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





#73

Isopropylbenzene

Concen: 49.022 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1177940

Ion Ratio Lower Upper

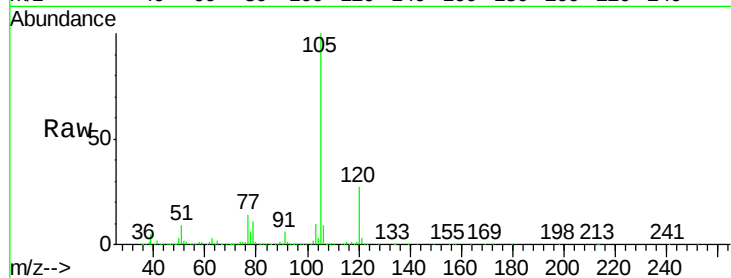
105 100

120 27.6 13.6 40.7

Manual Integrations
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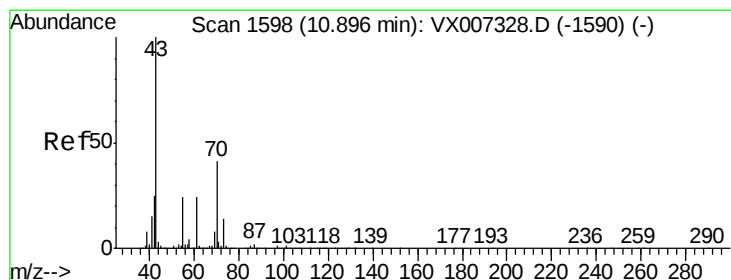
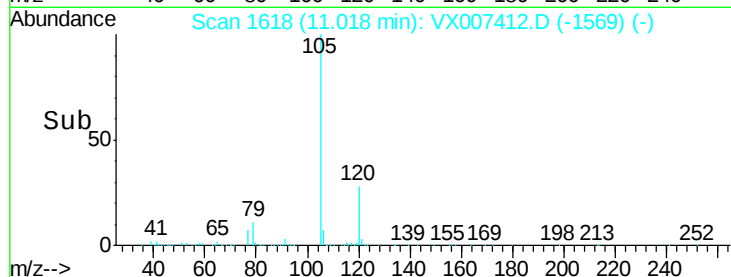
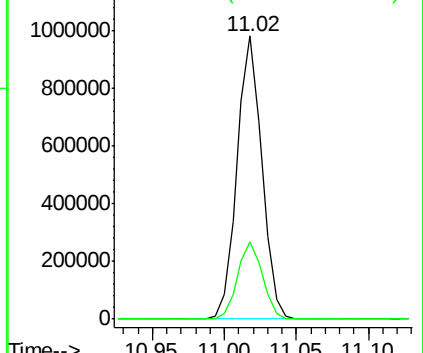
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.625 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion: 43 Resp: 479805

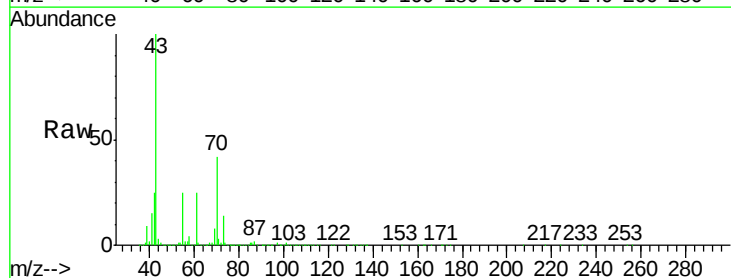
Ion Ratio Lower Upper

43 100

70 43.0 33.8 50.6

55 24.2 19.5 29.3

61 24.4 19.4 29.2

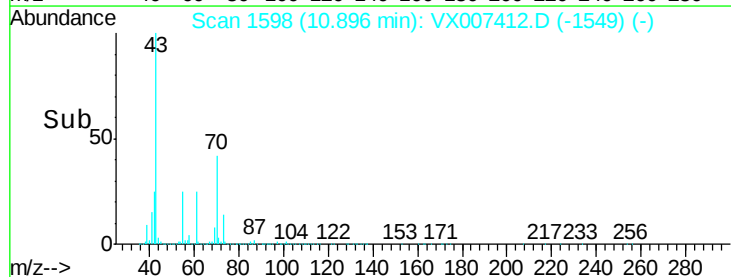
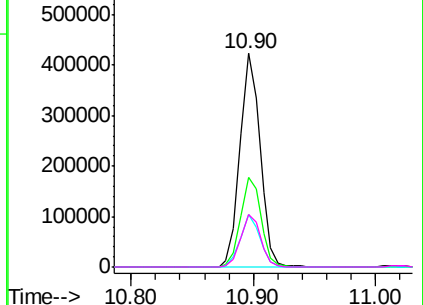


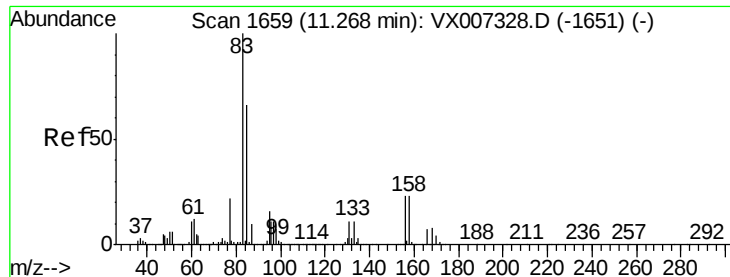
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.436 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

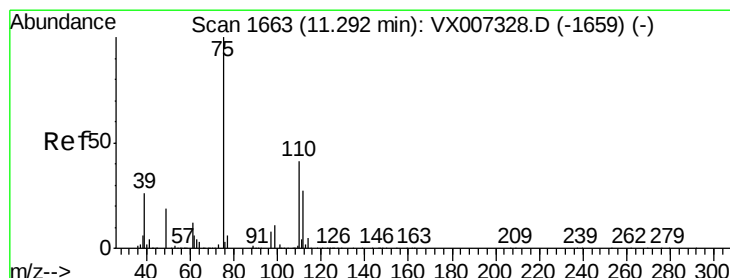
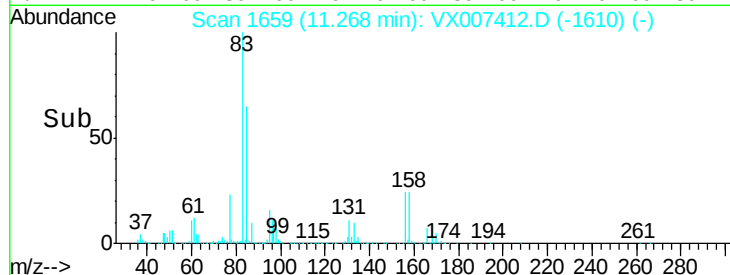
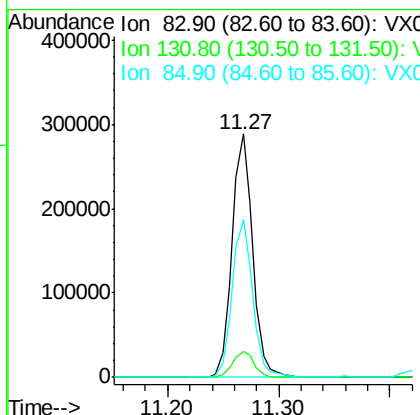
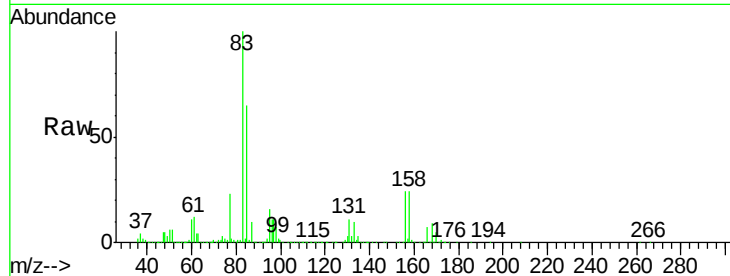
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	369344
Ion Ratio		Lower	Upper
83	100		
131	11.1	5.7	17.0
85	65.0	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.945 ug/l m

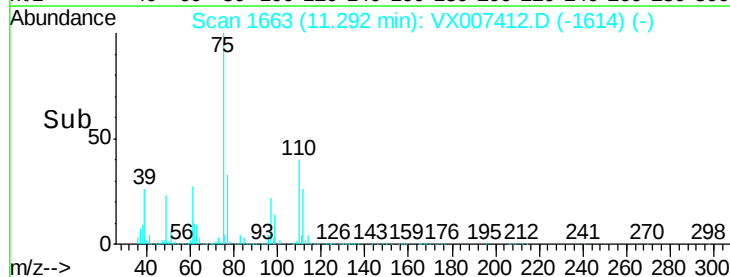
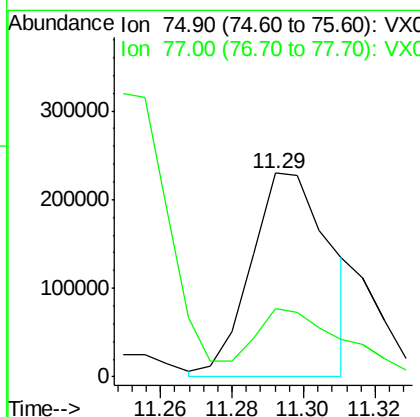
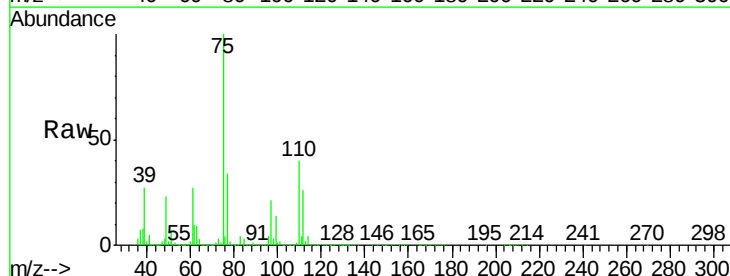
RT: 11.29 min Scan# 1663

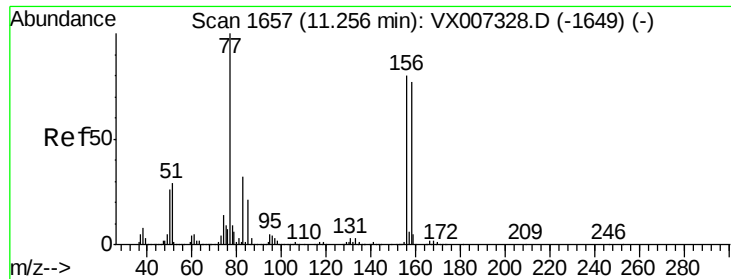
Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	75	Resp:	350394
Ion Ratio		Lower	Upper
75	100		
77	37.2	23.0	69.0





#77

Bromobenzene

Concen: 46.966 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

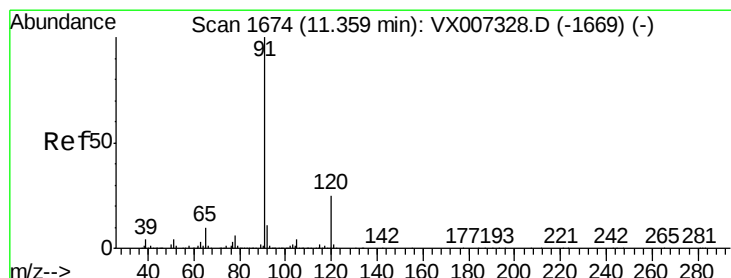
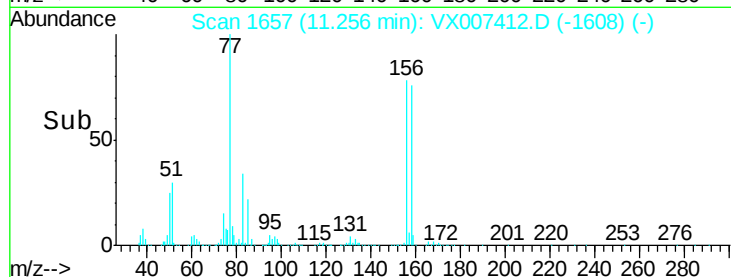
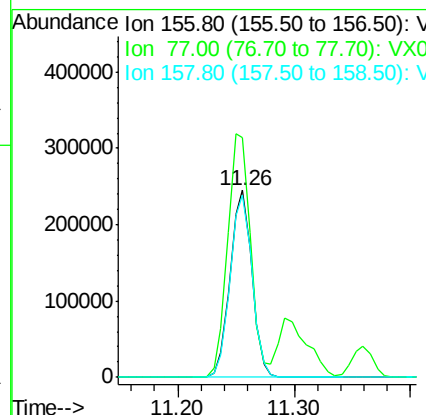
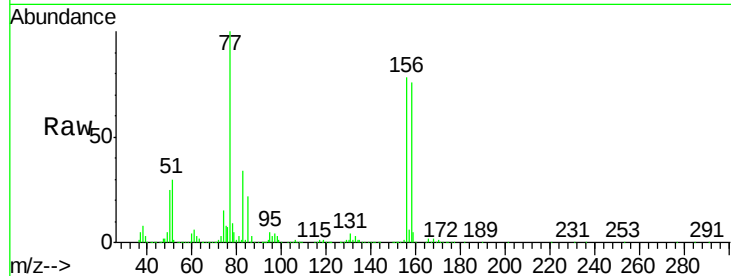
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	317973
Ion Ratio	Lower	Upper	
156	100		
77	137.5	66.8	200.6
158	98.5	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 49.769 ug/l

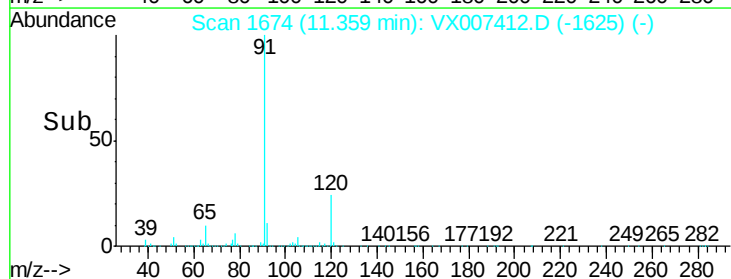
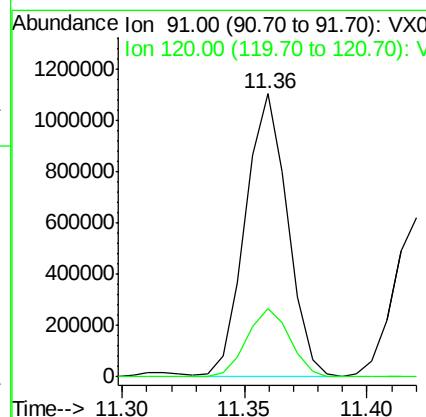
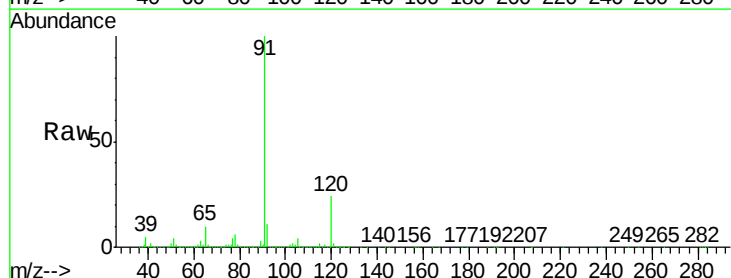
RT: 11.36 min Scan# 1674

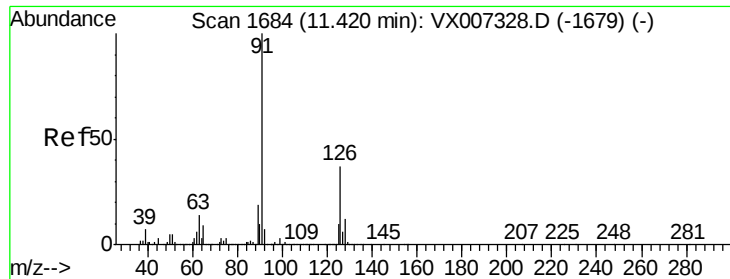
Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	91	Resp:	1311376
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.4	37.2





#79

2-Chlorotoluene

Concen: 47.851 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 765052

Ion Ratio Lower Upper

91 100

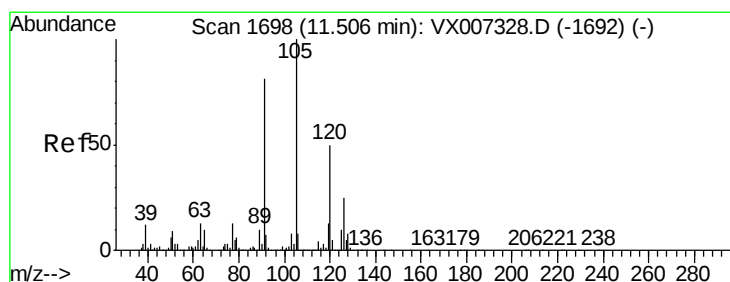
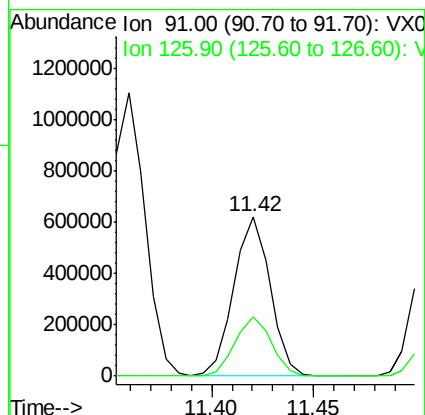
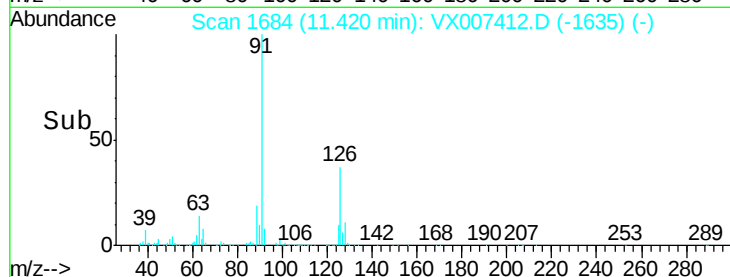
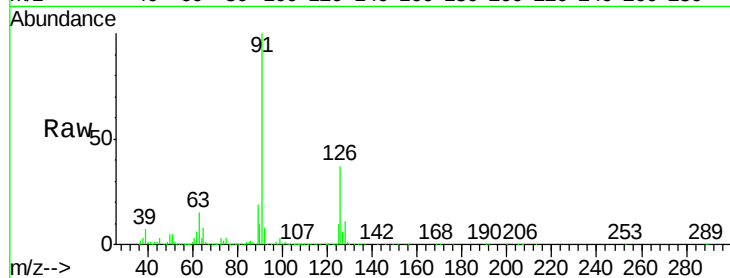
126 37.6 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.425 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007412.D

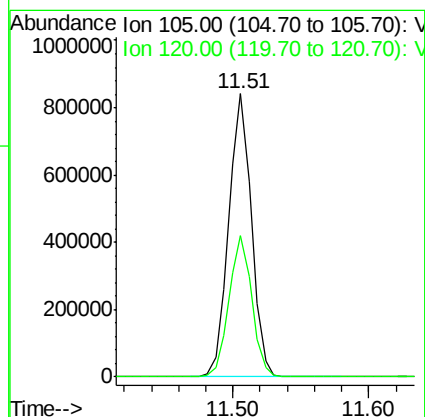
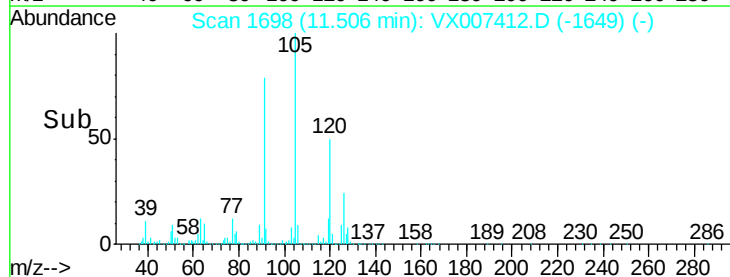
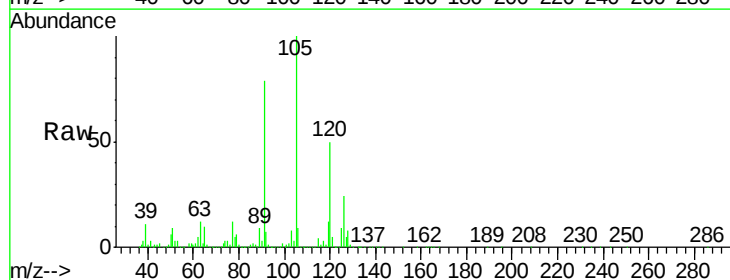
Acq: 06 Feb 2019 20:50

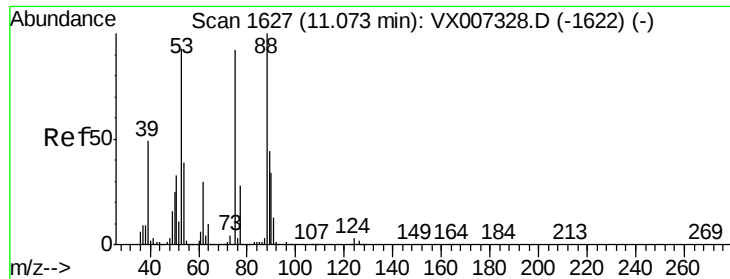
Tgt Ion: 105 Resp: 971619

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.804 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

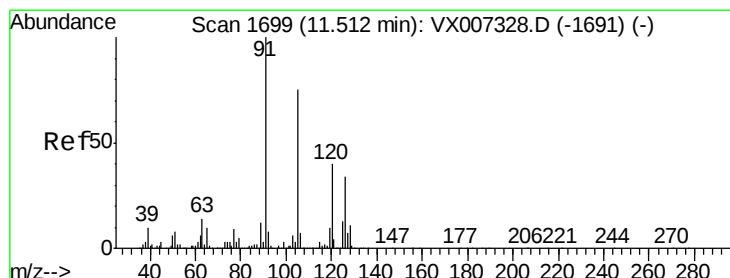
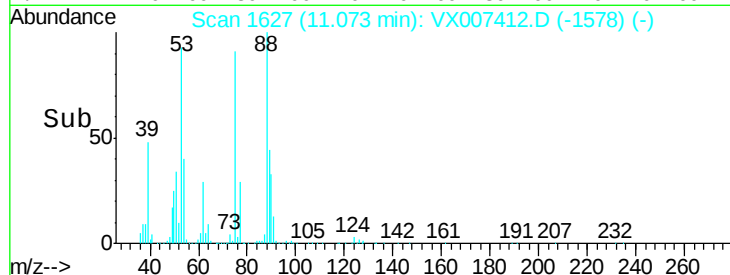
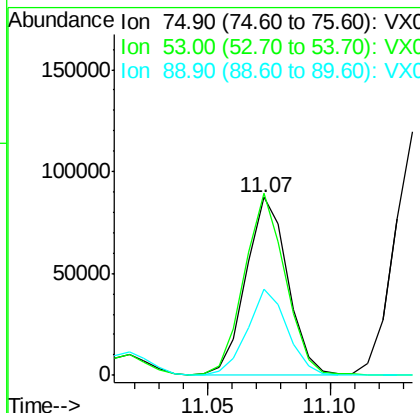
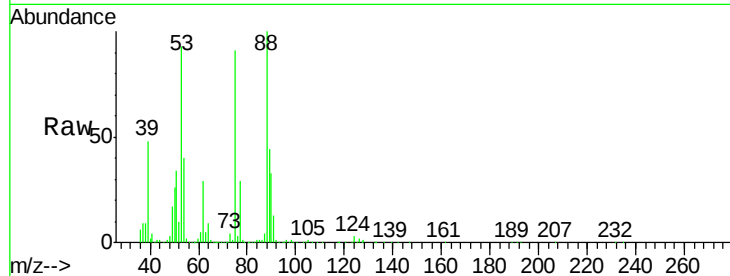
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	103493
Ion Ratio	Lower	Upper	
75	100		
53	99.7	81.0	121.6
89	47.2	41.4	62.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.230 ug/l

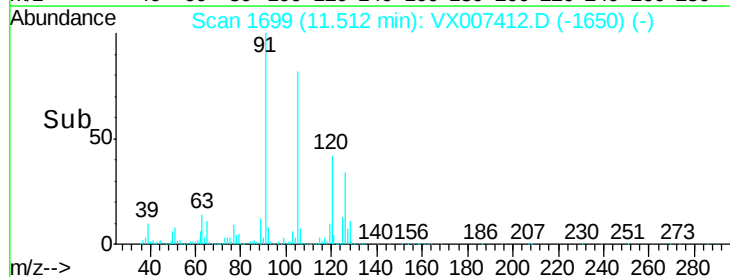
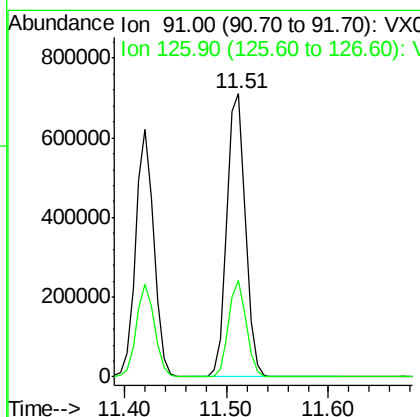
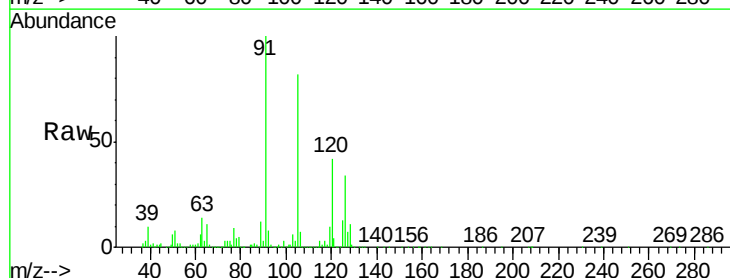
RT: 11.51 min Scan# 1699

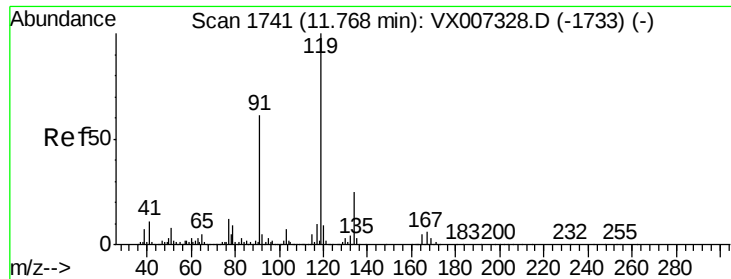
Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	91	Resp:	892257
Ion Ratio	Lower	Upper	
91	100		
126	32.4	16.2	48.5





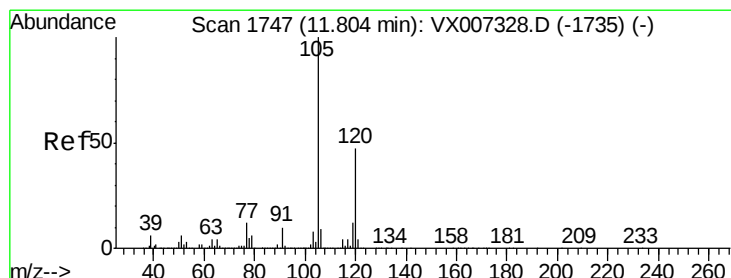
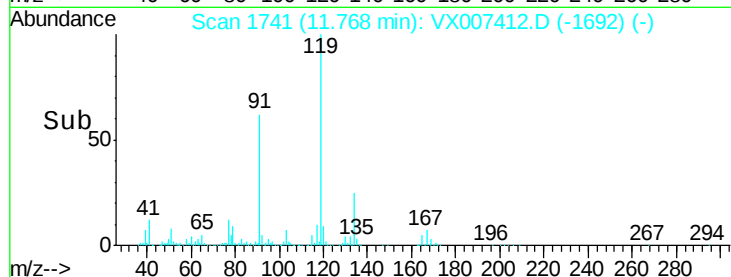
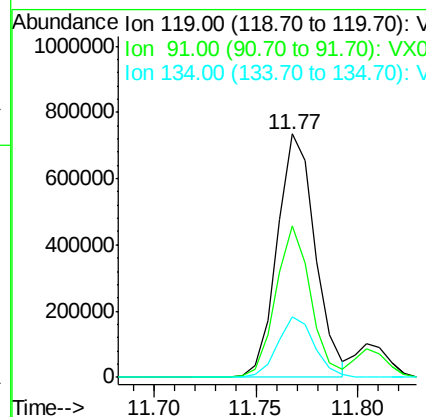
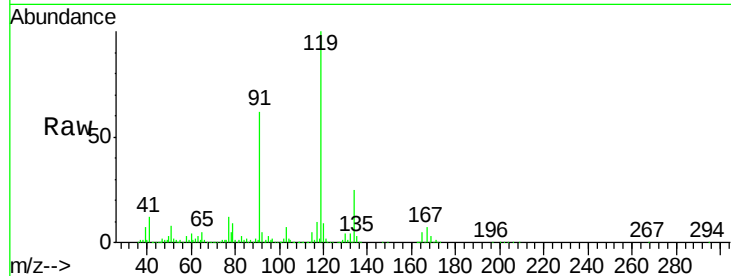
#83
tert-Butylbenzene
Concen: 48.990 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.0	28.5	85.6
134	24.1	12.0	36.0

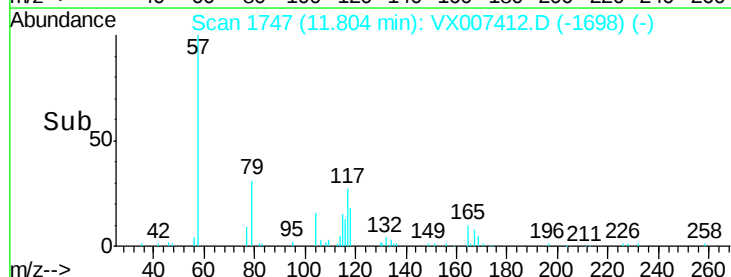
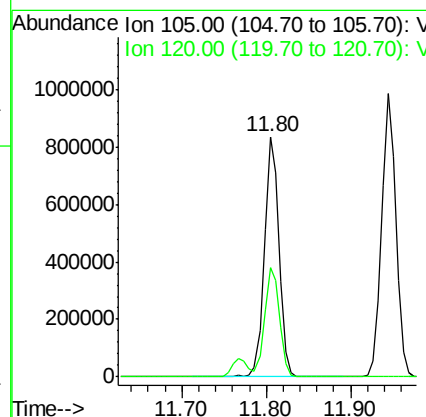
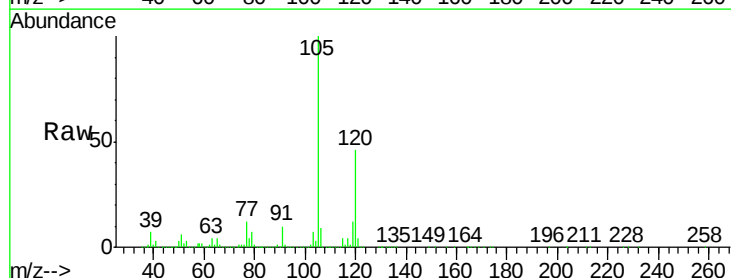
Manual Integrations
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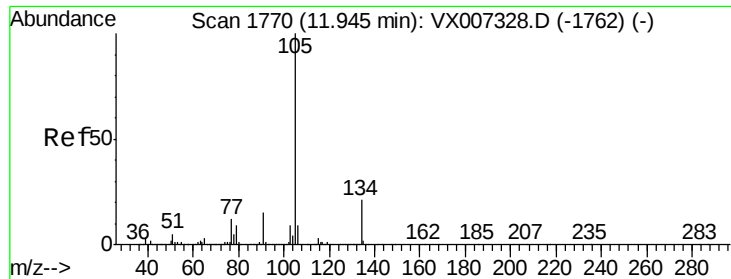
MMDadoda
2/7/2019 9:53:22 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.590 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 49.465 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1165236

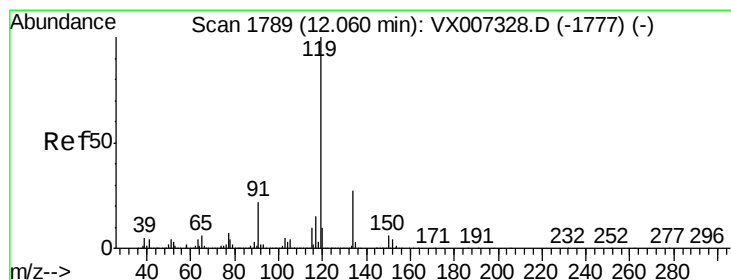
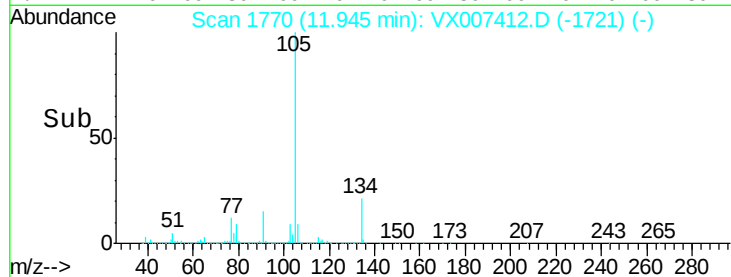
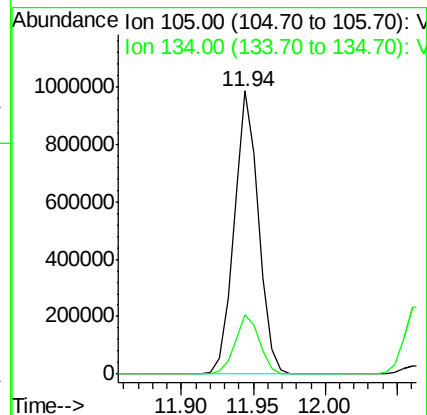
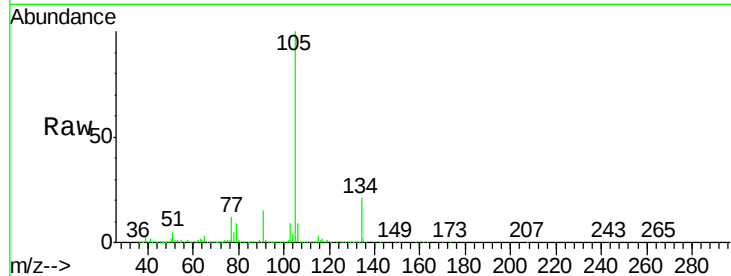
Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 49.078 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

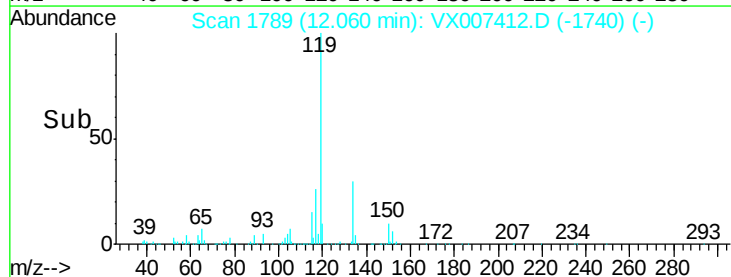
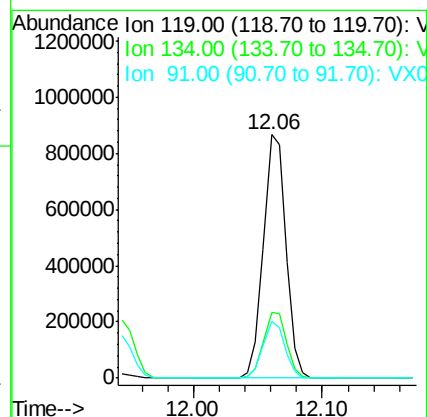
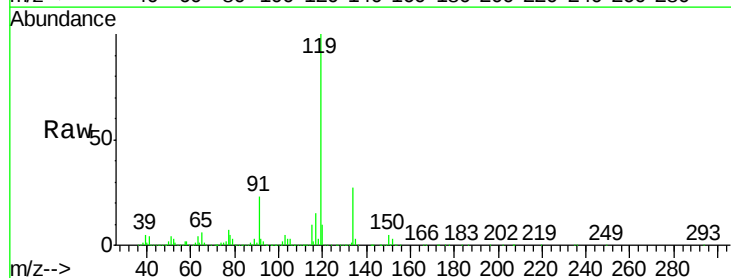
Tgt Ion:119 Resp: 1043612

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

91 22.6 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 46.301 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

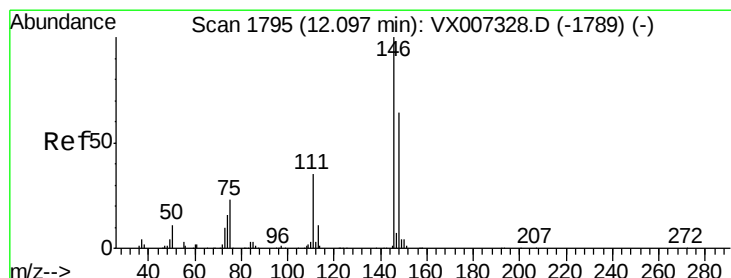
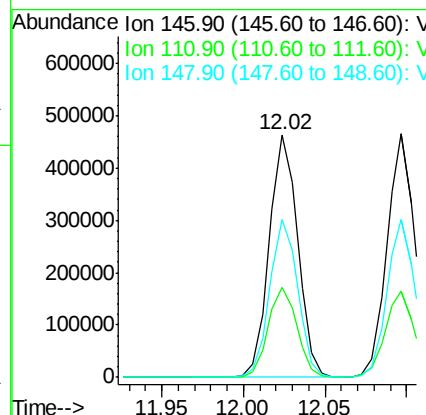
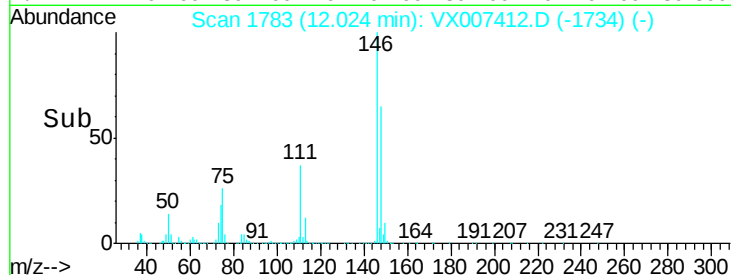
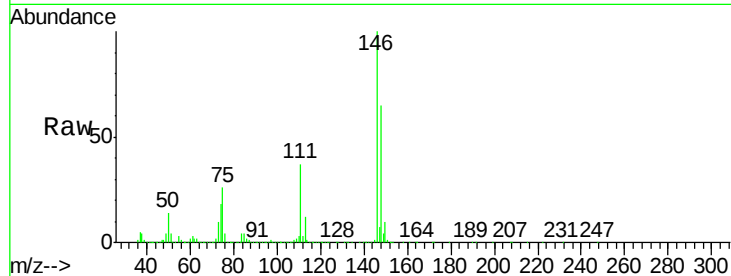
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	562578
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.1	54.1
148	64.1	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 45.021 ug/l

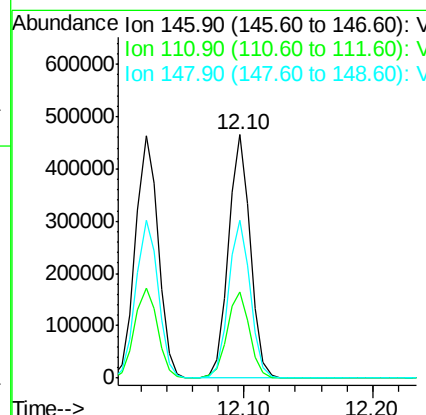
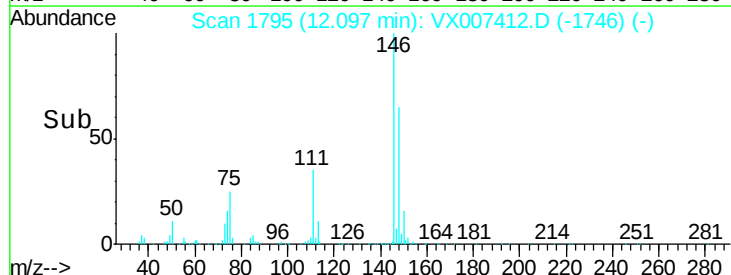
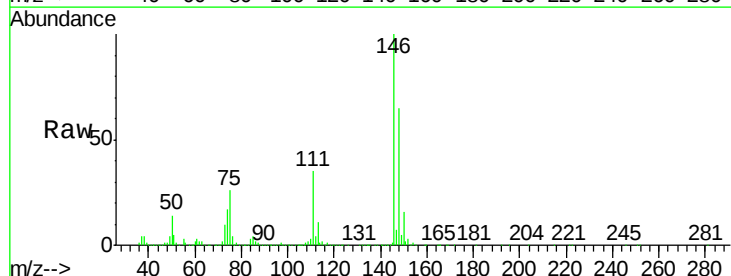
RT: 12.10 min Scan# 1795

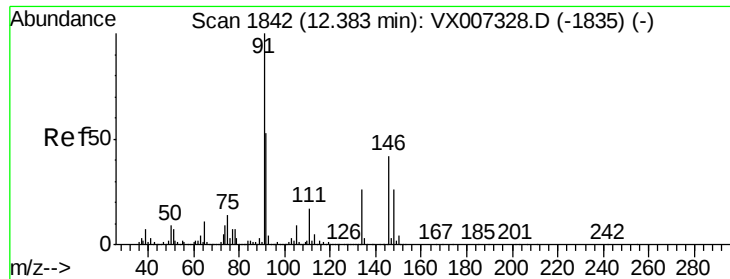
Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	146	Resp:	554981
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.1	54.1
148	65.0	32.3	96.9





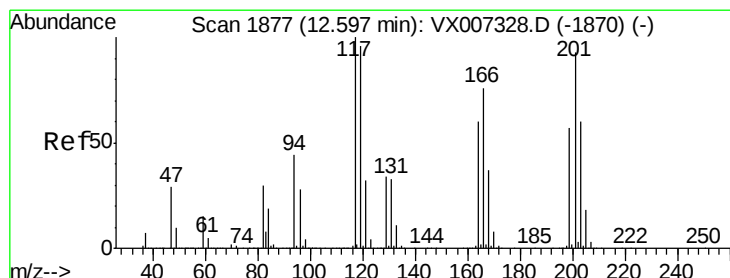
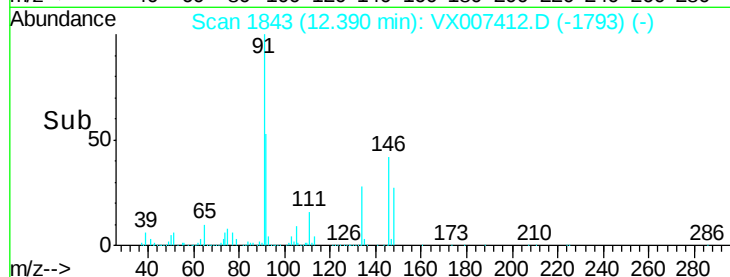
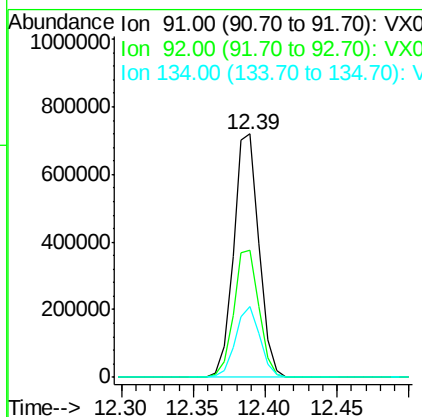
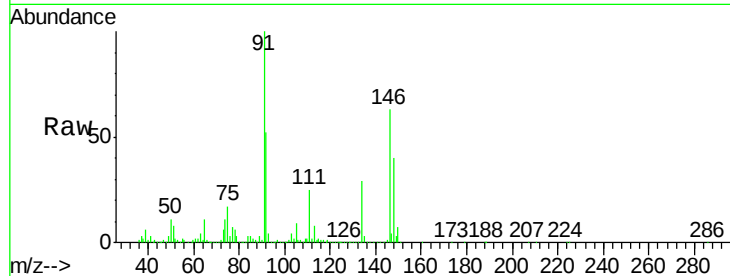
#89
n-Butylbenzene
Concen: 48.289 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	28.1	13.9	41.6

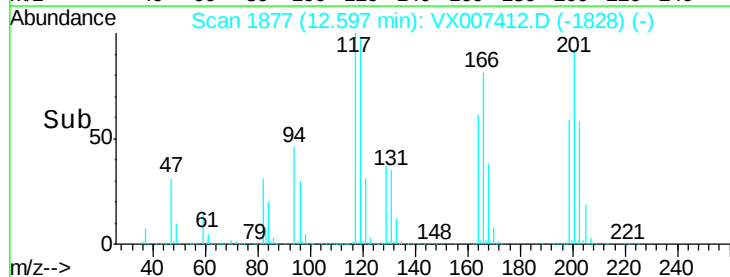
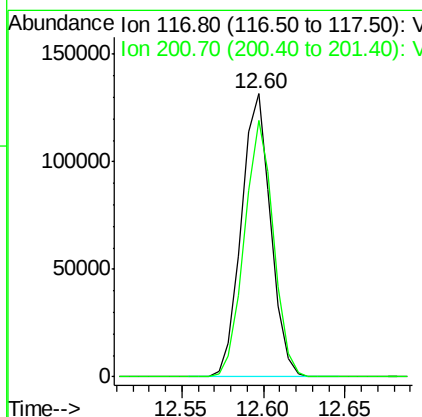
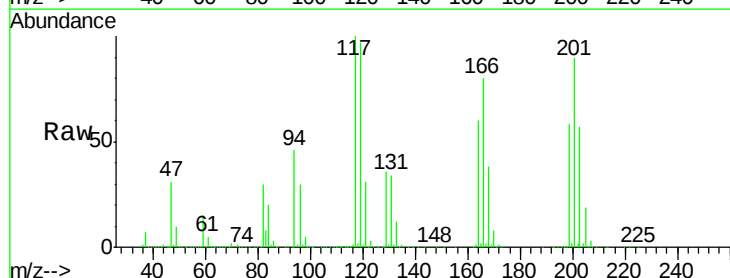
Manual Integrations
APPROVED

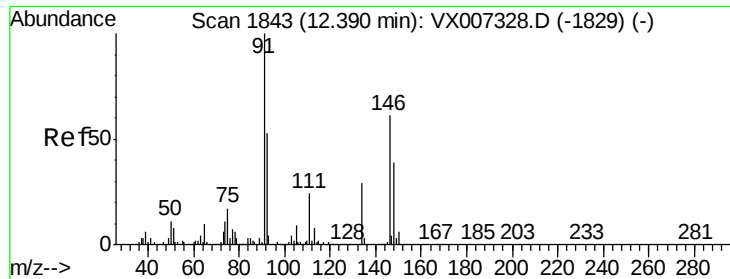
MMDadoda
2/7/2019 9:53:22 AM



#90
Hexachloroethane
Concen: 51.806 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	44.9	134.7





#91

1,2-Dichlorobenzene

Concen: 45.686 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Instrument :

MSVOA_X

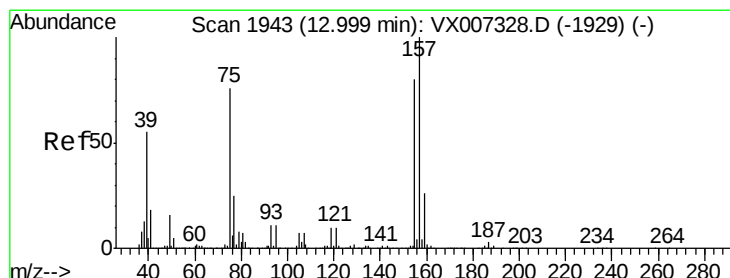
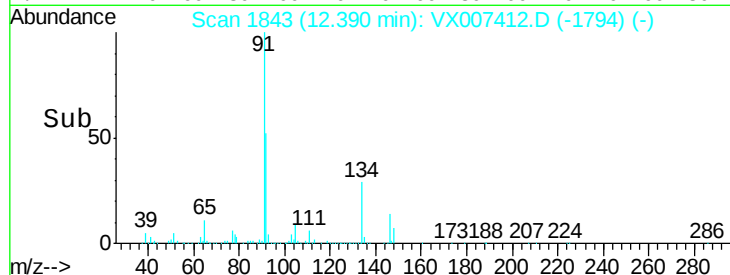
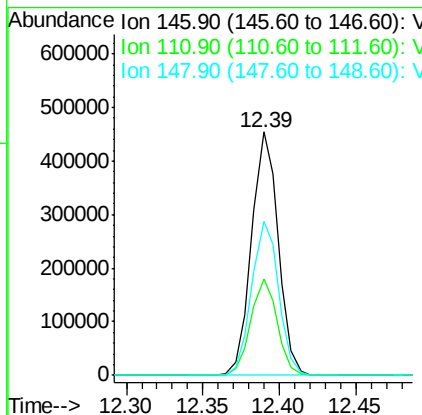
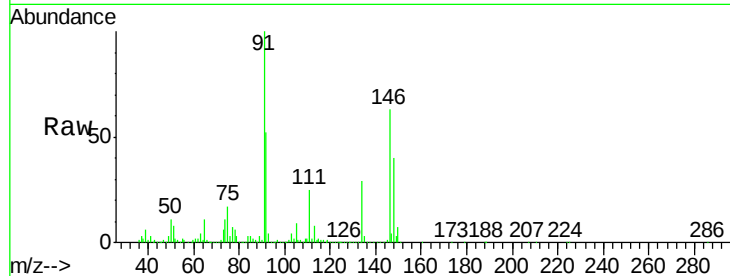
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	552429
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.1	57.3
148	64.0	32.1	96.3

Manual Integrations
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2/7/2019 9:53:22 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.716 ug/l

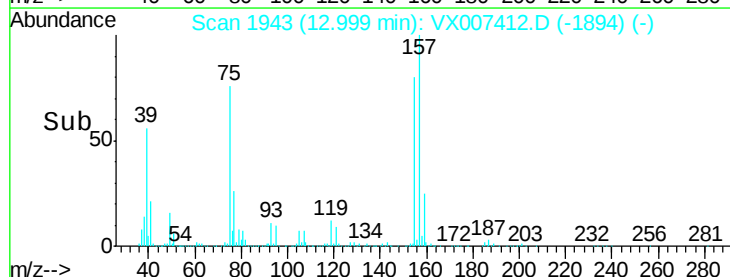
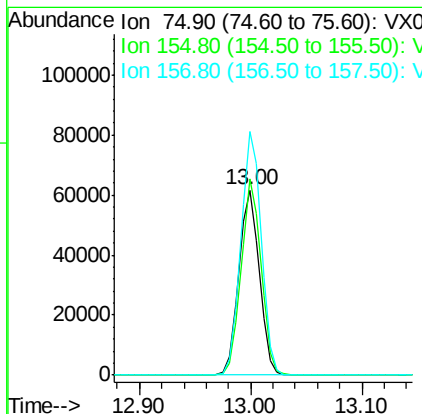
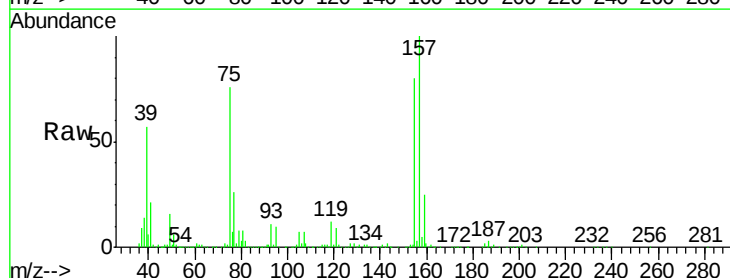
RT: 13.00 min Scan# 1943

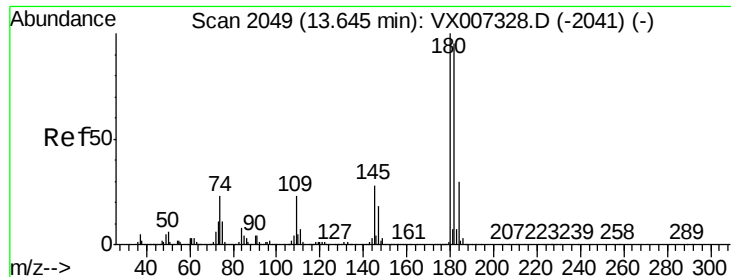
Delta R.T. 0.00 min

Lab File: VX007412.D

Acq: 06 Feb 2019 20:50

Tgt Ion:	75	Resp:	78748
Ion Ratio	Lower	Upper	
75	100		
155	102.9	49.6	149.0
157	130.7	65.1	195.3





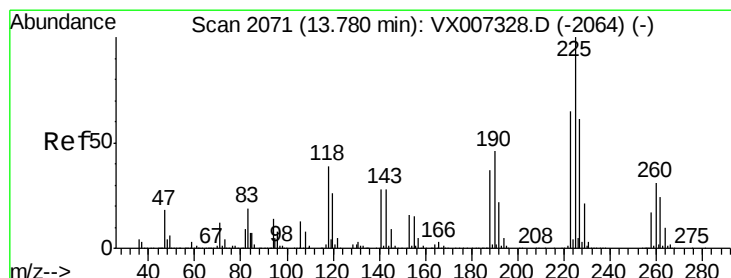
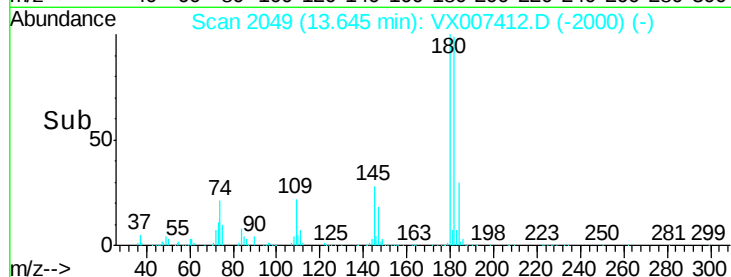
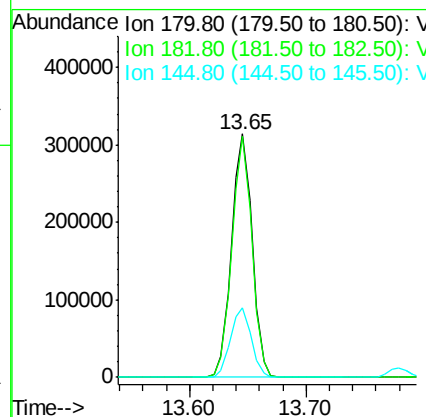
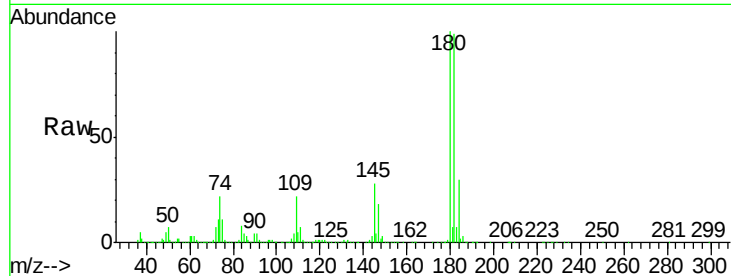
#93
 1,2,4-Trichlorobenzene
 Concen: 47.228 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	385126		
182	96.7	47.8	143.3	
145	28.7	14.1	42.2	

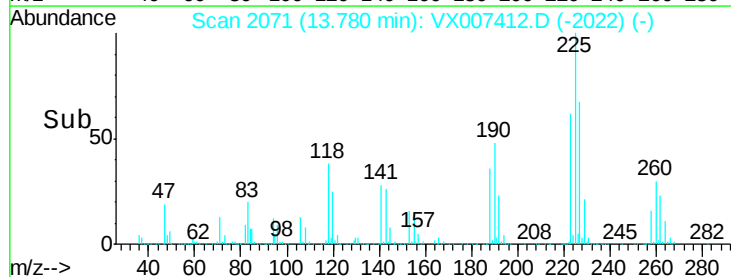
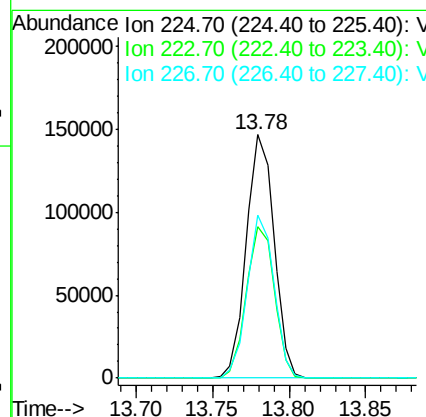
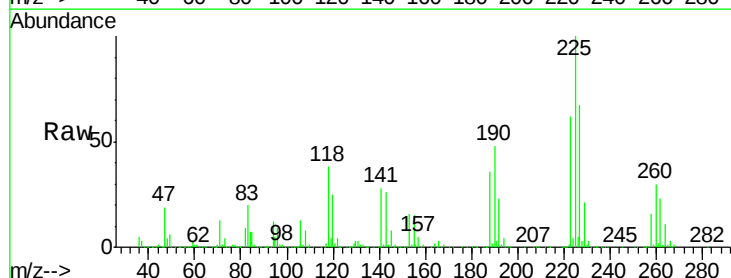
Manual Integrations
 APPROVED

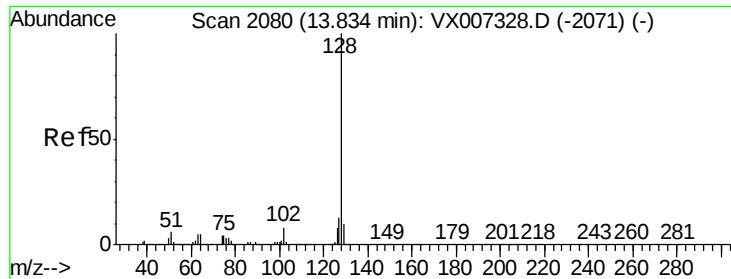
MMDadoda
 2/7/2019 9:53:22 AM



#94
 Hexachlorobutadiene
 Concen: 46.810 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007412.D
 Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	185352		
223	62.9	31.6	94.8	
227	64.7	32.1	96.3	





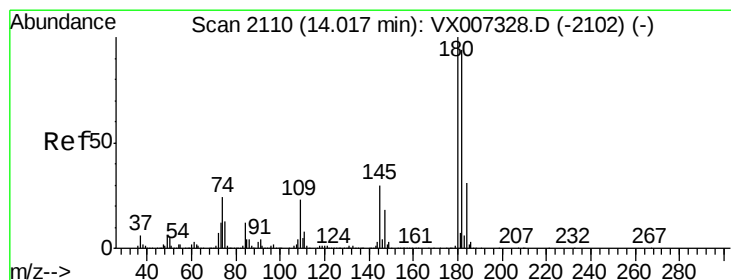
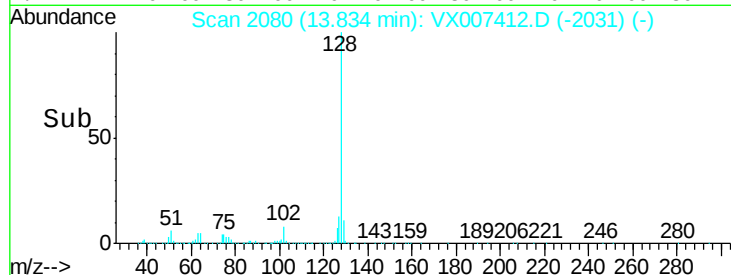
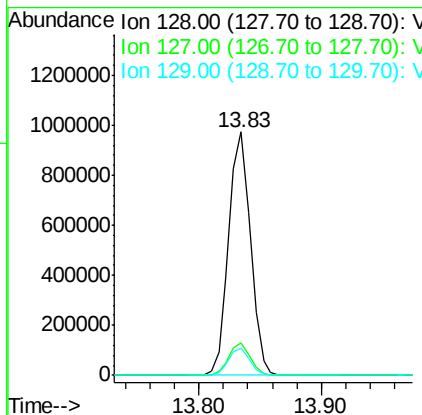
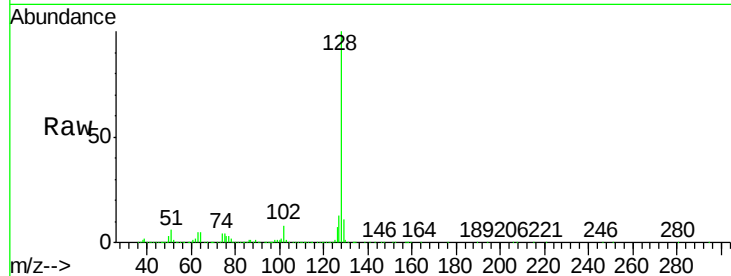
#95
Naphthalene
Concen: 50.320 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/7/2019 9:53:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.379 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007412.D
Acq: 06 Feb 2019 20:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.6
145	30.3	14.9	44.5

